



GANESAR COLLEGE OF ARTS AND SCIENCE

(Accredited with 'B' grade by NAAC)

MELAISIVAPURI - 622 403, PUDUKKOTTAI, TAMILNADU

Phone: 04333 – 247218, 247603



CROSS CUTTING ISSUE IN TRANSACTIONING CURRICULUM



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**SYLLABUS FROM 2016-2017
ONWARDS
(OLD CURRICULUM)**



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ACADEMIC YEAR - 2018-2022

Colours Cross Cutting Issues



Professional Ethics



Gender



Human Values



Environment and Sustainability



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 620 024

UG Programme -B.Litt. Course Structure Under CBCS

(Applicable to the candidates admitted from the academic year 2016 – 2017 onwards)

Sem	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total Marks
						Int.	Extn	
I	I	Language Course – I (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course – I (ELC)	6	3	3	25	75	100
	III	Core Course – I (CC) இக்கால இலக்கியம் (கவிதையும் உரைநடையும்)	6	5	3	25	75	100
		Core Course – II (CC) நன்னூல் - எழுத்ததிகாரம் (காண்டிகையுரை)	6	5	3	25	75	100
		Allied Course – I (AC) ஊடகவியல்	4	3	3	25	75	100
	IV	Value Education	2	2	3	25	75	100
	Total			30	21			
II	I	Language Course – II (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course – II (ELC)	6	3	3	25	75	100
	III	Core Course – III (CC) சிறுநிலக்கியம்	6	5	3	25	75	100
		Core Course – IV (CC) நன்னூல் - சொல்லதிகாரம் (காண்டிகையுரை)	6	5	3	25	75	100
		Allied Course – II (AC) தமிழ் இலக்கிய வரலாறு	4	3	3	25	75	100
		Environmental Studies	2	2	3	25	75	100
	Total			30	21			

Sem	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total Marks
						Int.	Extn	
III	I	Language Course – III (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course – III (ELC)	6	3	3	25	75	100
	III	Core Course – V (CC) சமய இலக்கியம்	6	5	3	25	75	100
		Core Course – VI (CC) நம்பியகப்பொருள், புறப்பொருள் வெண்பாமாலை	6	5	3	25	75	100
		Allied Course – III (AC) தமிழக வரலாறும் மக்கள் பண்பாடும்	4	3	3	25	75	100
	IV	Non Major Elcative I – for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10 th +2 but opt for other languages in degree programme தமிழ் நடைக் கூறுகள்	2	2	3	25	75	100
	Total			30	21			
IV	I	Language Course – IV (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course – IV (ELC)	6	3	3	25	75	100
	III	Core Course – VII (CC) காப்பியம்	5	5	3	25	75	100
		Core Course – VIII (CC) தொல்காப்பியம் எழுத்ததிகாரம் - இளம்பூரணம்	5	5	3	25	75	100
		Allied Course – IV (AC) படைப்பிலக்கியம்	4	3	3	25	75	100
	IV	Non Major Elcative II – for those who studied Tamil under Part I c) Basic Tamil for other language students d) Special Tamil for those who studied Tamil upto 10 th +2 but opt for other languages in degree programme சிந்தனையியல்	2	2	3	25	75	100
	V	Skill Based Elective - I	2	2	3	25	75	100
Total			30	23				700

Sem	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total Marks	
						Int.	Extn		
V	III	Core Course – IX (CC) அற இலக்கியம் (திருக்குறள் நீங்கலாக)	5	5	3	25	75	100	
		Core Course – X (CC) யாப்பருங்கலக்காரிகை	5	5	3	25	75	100	
		Core Course – XI (CC) தண்டியலங்காரம்	5	5	3	25	75	100	
		Core Course – XII (CC) தொல்காப்பியம் சொல்லதிகாரம் - இளம்பூரணம்	5	5	3	25	75	100	
		Major Based Elective – I தமிழின் செம்மொழிப் பண்புகள்	4	3	3	25	75	100	
	IV	Skill Based Elective - II	2	2	3	25	75	100	
	IV	Skill Based Elective - III	2	2	3	25	75	100	
		Soft Skills Development	2	2	3	25	75	100	
	Total			30	29				800
VI	III	Core Course – XIII (CC) திருக்குறள்	6	5	3	25	75	100	
		Core Course – XIV (CC) பண்டைய இலக்கியம்	6	5	3	25	75	100	
		Core Course – XV (CC) தொல்காப்பியம் பொருளதிகாரம் - இளம்பூரணம் (செய்யுளியல் நீங்கலாக)	6	5	3	25	75	100	
		Major Based Elective II கல்வெட்டியல்	5	4	3	25	75	100	
		Major Based Elective III நாடகவியல்	6	4	3	25	75	100	
	V	Extension Activities		1	-	-	-	-	
		Gender Studies	1	1	3	25	75	100	
	Total			30	25				600
	Grand Total			180	140	-	-	-	3900

Language Part – I	-	4
English Part –II	-	4
Core Paper	-	15
Allied Paper	-	4
Non-Major Elective	-	2
Skill Based Elective	-	3
Major Based Elective	-	3
Environmental Studies	-	1
Value Education	-	1
Soft Skill Development	-	1
Gender Studies	-	1
Extension Activities	-	1 (Credit only)

* for those who studied Tamil upto 10th +2 (Regular Stream)

+ Syllabus for other Languages should be on par with Tamil at degree level

those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part I should study special Tamil in Part IV

** Extension Activities shall be out side instruction hours

Non Major Elective I & II – for those who studied Tamil under Part I

- Basic Tamil I & II for other language students
- Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

1. Theory Internal 25 marks External 75 marks

2. Separate passing minimum is prescribed for Internal and External

- The passing minimum for CIA shall be 40% out of 25 marks (i.e. 10 marks)
- The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks)

CORE COURSE I

இக்கால இலக்கியம் (கவிதையும் உரைநடையும்)

நோக்கம்

1. தமிழ்மரபுக்கவிதை, புதுக்கவிதை முதலானவற்றை அறிமுகப்படுத்துதல்.
2. சிறுகதை, நாவல், கட்டுரை முதலான இலக்கிய வடிவங்களைக்கற்பித்தல்.
3. இக்கால இலக்கியத்தின் மீதான ஈர்ப்பை மிகுவித்தல்.

பயன்கள்

1. தமிழ் இலக்கியத்தின் மீதான ஆர்வம் மிகும்.
2. புதிய இலக்கிய வடிவங்களை அறிவர்.
3. கவிதை, சிறுகதைஆகியவற்றைப் படைக்க முயல்வர்.

அலகு

I	மரபுக்கவிதை	10 மணி
	பாரதியார் - பாரதி அறுபத்தாறு (1 முதல் 18-ஆம் பாடல் வரை) பாரதிதாசன் - ஆத்திசூடி	
II	புதுக்கவிதை	10 மணி
	மீரா - ஊசிகள் அன்னம், மனை எண்:1, நிர்மலா நகர், தஞ்சாவூர் - 613 007. விலை ரூ.30/- (அலைபேசி : 9443159371)	
III	நாடகம்	15 மணி
	நெல்லை க.சுப்பிரமணியன் - ஆண்டாள் (கவிதை நாடகம்) எஸ்.எஸ்.கே. பப்ளிசர்ஸ் & டிஸ்ட்ரிப்யூட்டர்ஸ் 2-டி, ராயல் கேஷல், 18-வது தெரு, நங்கநல்லூர், சென்னை - 600061 விலை ரூ.55/- (அலைபேசி: 9443362237)	
IV	புனைகதை சிறுகதை	30 மணி
	இலக்குமி குமாரன் ஞானதிரவியம் - சுவரிடுக்கில் ஆல் அய்யா நிலையம் கதவு எண், 1603, ஆரோக்கிய நகர் ஐந்தாம் தெரு, E.B. காலனி, நாஞ்சிக்கோட்டைச் சாலை, தஞ்சாவூர் - 613 006 விலை ரூ.75/- (அலைபேசி : 9443007623)	
	புதினம்	
	ஹரணி - பேருந்து கே.ஜி. பப்ளிகேஷன்ஸ், 31, பூக்குளம் புதுநகர், கரந்தை, தஞ்சாவூர் - 613 002. விலை ரூ.120/- (அலைபேசி : 94423998953)	
V	கட்டுரை	20 மணி
	பாக்டர் ம.திருமலை - இலக்கிய உலா அறிவுப் பதிப்பகம், 142, ஜானி ஜான் கான்ரோடு, இராயப்பேட்டை, சென்னை - 600 014. விலை ரூ.40/- (அலைபேசி : 9443778719)	

குறிப்பு: ஐந்து அலகுகளிலும் சமஅளவில் வினாக்கள் அமைதல் வேண்டும்.

இணைய முகவரிகள்

1. www.tamilvirtualuniversity.org
2. www.sirukathaigal.com
3. www.noolulagam.com
4. www.katuraitamilblogspot.com

CORE COURSE II

நன்னூல் - எழுத்ததிகாரம் (காண்டிகையுரை)

நோக்கம்

1. தமிழின் ஐந்திலக்கணங்களுள் முதலாவதான எழுத்திலக்கணத்தை அறிவுறுத்தல்.
2. தமிழ் மொழி மரபறிந்து பிழையற எழுதவும் பேசவும் வழிவகுத்தல்.

பயன்கள்

1. தமிழைப் பிழையின்றி எழுதும் திறன் பெறுவர்.
2. வல்லினம் மிகும் இடங்கள் மிகா இடங்களை அறிவர்.
3. தமிழ் மொழி இலக்கணத்தில் புலமை பெறுவர்.

அலகு - I	பாயிரம் சிறப்புப்பாயிரம் / பொதுப்பாயிரம்	10 மணி
அலகு - II	எழுத்தியல்	20 மணி
அலகு - III	பதவியல்	20 மணி
அலகு - IV	உயிற்றுப் புணரியல்	20 மணி
அலகு - V	மெய்யீற்றுப் புணரியல், உருபு புணரியல்	20 மணி

குறிப்பு: ஐந்து அலகுகளிலும் சமஅளவில் வினாக்கள் அமைதல் வேண்டும்.

பாடநூல்:

1. நன்னூல் காண்டிகையுரை - ஆறுமுக நாவலர் பதிப்பினைத்தழுவி அமைந்தது, பாரி நிலையம், 184, பிராட்வே, சென்னை - 104

பார்வை நூல்கள்:

1. நன்னூல் மூலமும் விருத்தியுரையும் - பதிப்பாசிரியர் அ. தாமோதரன், உலகத்தமிழ் ஆராய்ச்சி நிறுவனம், சென்னை
2. இலக்கண வரலாறு - இரா. இளங்குமரன்
3. தமிழ் வரலாற்றிலக்கணம் - ஆ. வேலுப்பிள்ளை

இணைய முகவரிகள்

1. www.store.tamillexicon.com
2. www.kala.tamilforu.blogspot.com
3. www.noolagam.com
4. www.tamilvu.org

ALLIED COURSE - I

ஊடகவியல்

நோக்கம்

1. ஊடகங்களின் பரிணாம வளர்ச்சியை, ஊடகங்களின் தேவையை உணர்த்துதல்.
2. ஊடகங்களைப் பயன்படுத்த, பயன்கொள்ள பயிற்றுவித்தல்.
3. ஊடகத்துறைகளில் பணிவாய்ப்பு பெற மாணவர்களைத் தயார்ப்படுத்துதல்.

பயன்கள்

1. தகவல் ஊடகங்கள் பற்றி அறிவர்.
2. ஊடகங்களை கல்விசார்ந்து பயன்படுத்துவதில் பயிற்சி பெறுவர்.
3. ஊடகங்களில் பணிவாய்ப்பு பெறுவர்.

அலகு - 1

15 மணி

தகவல் தொடர்பு விளக்கம் - தகவல் தொடர்பில் ஊடகங்களின் பங்கு - ஊடக வகைகள் - மரபுவழி - அச்சுவழி - மின்வழி - மின்னணுவழி ஊடகங்கள் - ஊடகங்களின் இன்றியமையாமை.

அலகு - 2

20 மணி

அச்சுவழி ஊடகங்களின் தோற்றம், வளர்ச்சி - தனிச்சிறப்புகள் - இதழ்களின் வகைகள் - இதழ்களின் பணிகள் - இதழ்களின் அமைப்பு முறை - தலையங்கம் - செய்தி - கட்டுரை - இலக்கியம் - கருத்துப்படம் - விளம்பரம் ஆகியவற்றை உருவாக்கும் முறைகள் - இதழ்களின் மொழி நடை - இதழாளருக்குரிய தகுதிகள்.

அலகு - 3

15 மணி

வானொலி தோற்றம் வளர்ச்சி - பல்வேறு நிகழ்ச்சிகள் - செய்தி, கல்வி, வேளாண்மை, இசை, இலக்கிய ஒலிபரப்புகள் - வானொலியில் தனிநபர் உரை, கலந்துரையாடல், நேர்காணல், நிகழ்ச்சியைத் தொகுத்து வழங்குதல் ஆகியவற்றிற்குத் தேவைப்படும் திறன்கள் - தொலைக்காட்சி தோற்றம் வளர்ச்சி - அறிவு சார், பல்சுவை சார் நிகழ்ச்சிகள் - செய்தி வாசித்தல், நேர்காணல், நிகழ்ச்சி ஒருங்கிணைப்பு, நிகழ்ச்சி வருணனை ஆகியவற்றிற்குத் தேவையான தகுதிகள் - தொலைக்காட்சியின் செல்வாக்கு.

அலகு - 4

20 மணி

கணினி விளக்கம் - பல்துறைப் பயன்பாடுகள் - கற்றலில் கணினியின் பயன்பாடுகள் - இணையம் விளக்கம் - இணையத்தின் வழித் தகவல்களைத் திரட்டுதல் - இணையதளங்கள் - இணைய நூலகங்கள் - இணைய இதழ்கள் - வலைப்பூக்கள் - மின்னஞ்சல் ஆகியவற்றின் தனிச்சிறப்புகளும் பயன்பாடுகளும்.

அலகு - 5

20 மணி

ஊடகத் துறையில் மொழியின் பயன்பாடு - இதழ்களில் பிழையின்றி எழுதுவதற்குப் பயிற்சியளித்தல் - அச்சப்படி சரிபார்த்தல் - தலையங்கம், செய்தி ஆகியன எழுதப் பயிற்சி அளித்தல் - பொருத்தமான செய்தித் தலைப்பிடுவதற்குப் பயிற்சியளித்தல் - வானொலியில் கருத்துக்களை நிரல்பட எடுத்துரைக்கவும், தெளிவாக உச்சரிக்கவும் பயிற்சி அளித்தல் - வானொலி, தொலைக்காட்சி ஆகியவற்றில் செய்தி வாசித்தல், நிகழ்ச்சிகளைத் தொகுத்து வழங்குதல், நேர்முக வர்ணனை, நேர்காணல், கலந்துரையாடல், இலக்கிய நிகழ்வுகளில் பங்கேற்றல் ஆகியவற்றுக்கான பயிற்சி அளித்தல்.

குறிப்பு: ஐந்து அலகுகளிலும் சமஅளவில் வினாக்கள் அமைதல் வேண்டும்.

பார்வை நூல்கள்

1. முனைவர் கி.இராசா - மக்கள் தகவல் தொடர்பியல், பாவை பப்ளிகேஷன்ஸ், 142, ஜான்கான்சாலை, இராயப்பேட்டை, சென்னை.14
2. முனைவர் வி.பார்வதி - தமிழில் தகவல் தொடர்பு ஊடகங்கள், 29, 8-வது தெரு, என்.ஜி.ஓ. குடியிருப்பு, தென்காசி
3. மா.பா.குருசாமி - இதழியல் கலை, குரு-தேமொழி, தாயன்பகம், ஆறாவது தெரு, ஏ.கே.எம்.ஜி.நகர், திண்டுக்கல் - 624001. (தொலைபேசி : 0451-2424853)
4. முனைவர் மு.இளங்கோவன் - இணையம் கற்போம், வயல்வெளிப் பதிப்பகம், இடைக்கட்டு, உள்கோட்டை (அஞ்சல்), கங்கைகொண்ட சோழபுரம் (வழி), அரியலூர் மாவட்டம் - 612 901 (அலைபேசி : 9442029053)
5. முனைவர் துரை.மணிகண்டன் - தமிழ்க் கணினி இணையப் பயன்பாடுகள், கமலினி பதிப்பகம், கச்சமங்கலம் அஞ்சல், தோகூர் வழி, தஞ்சாவூர் மாவட்டம் - 613 102. (அலைபேசி : 9486265886)

இணைய முகவரிகள்

1. www.tamiljournalismhistory.blogspot.com
2. www.achukkuudamthamilagam.net
3. www.tamilmirror.dk

CORE COURSE III

சிற்றிலக்கியம்

நோக்கம்

1. சிற்றிலக்கியத்தின் பல்வேறு வகைமைகளை அறிமுகப்படுத்துதல்.
2. சிற்றிலக்கியங்களில் அமைந்துள்ள சமயம் சார்ந்த செய்திகளைக் கற்பித்தல்.
3. சிற்றிலக்கியங்களில் உள்ள இலக்கிய நயங்களை அறியச் செய்தல்.

பயன்கள்

1. தமிழ் இலக்கியங்களின் வளத்தினை அறிவர்.
2. சிற்றிலக்கியங்கள்வழி சமயம் சார்ந்த செய்திகளை அறிவர்.

அலகு - 1	உலா -திருக்கலாயஞான உலா	15 மணி
அலகு - 2	பரணி-கலிங்கத்துப்பரணி (காடு பாடியது, கோயில் பாடியது, களம் பாடியது)	15 மணி
அலகு - 3	பிள்ளைத்தமிழ் - மீனாட்சியம்மைப் பிள்ளைத்தமிழ் (பருவம்தோறும் முதல் ஐந்து பாடல்கள்)	15 மணி
அலகு - 4	தூது - தமிழ்விடுதூது (முழுமையும்)	25 மணி
அலகு - 5	அந்தாதி - திருக்கருவைப் பதிற்றுப்பத்தந்தாதி - அதிவீரராம பண்டிதர்	20 மணி

குறிப்பு: ஐந்து அலகுகளிலும் சமஅளவில் வினாக்கள் அமைதல் வேண்டும்.

இணைய முகவரிகள்

1. www.tamilheritage.org
2. www.thehistoryofsrivaishnavam.weebly.com
3. www.sivasiva.dk
4. www.shaivam.org
5. www.tamilaivu.com

CORE COURSE IV

நன்னூல் - சொல்லதிகாரம் (காண்டிகையுரை)

நோக்கம்

1. நால்வகைச் சொற்களின் இலக்கணத்தைக் கற்றுத்தருதல்.
2. மரபுவழித் தமிழ்ச் சொற்றொடர்களைப் பிழையின்றி எழுதக் கற்பித்தல்.
3. தமிழ்ச் சொற்களின் ஆற்றல் மிகு பயன்பாட்டை அறியச் செய்தல்.

பயன்கள்

1. தமிழ் மொழியின் சொல் இலக்கணத்தை அறிவர்.
2. தமிழ்ச் சொற்களின் பயன்பாட்டை அறிவர்.
3. மொழிநடையில் தேர்ச்சி பெறுவர்.

அலகு - 1	பெயரியல்	20 மணி
அலகு - 2	வினையியல்	20 மணி
அலகு - 3	பொதுவியல்	20 மணி
அலகு - 4	இடையியல்	20 மணி
அலகு - 5	உரியியல்	10 மணி

குறிப்பு: ஐந்து அலகுகளிலும் சமஅளவில் வினாக்கள் அமைதல் வேண்டும்.

பாடநூல்:

1. நன்னூல் காண்டிகையுரை - ஆறுமுக நாவலர் பதிப்பினைத்தழுவி அமைந்தது, பாரி நிலையம், 184, பிராட்வே, சென்னை - 104

பார்வை நூல்கள்:

1. நன்னூல் மூலமும் விருத்தியுரையும் - பதிப்பாசிரியர் அ. தாமோதரன், உலகத்தமிழ் ஆராய்ச்சி நிறுவனம், சென்னை
2. இலக்கண வரலாறு - இரா. இளங்குமரன்
3. தமிழ் வரலாற்றிலக்கணம் - ஆ. வேலுப்பிள்ளை

இணைய முகவரிகள்

1. www.store.tamillexicon.com
2. www.kala.tamilforu.blogspot.com
3. www.noolagam.com

ALLIED COURESE – II

தமிழ் இலக்கிய வரலாறு

நோக்கம்

1. தமிழ் இலக்கிய வரலாற்றைக் கற்பித்தல்.
2. தமிழ் இலக்கிய நூல்களின் தோற்றம், வளர்ச்சி ஆகியனவற்றை அறிவித்தல்.
3. தமிழ் இலக்கியங்களின் வடிவ, உள்ளடக்க மாற்றங்களைத் தெளிவுபடுத்துதல்.

பயன்கள்

1. தமிழ் இலக்கியங்கள் காலந்தோறும் தோன்றி வளர்ந்த வரலாற்றை அறிவர்.
2. இலக்கியங்களுக்கும் அரசியல் வரலாற்றுக்கும் இடையே உள்ள உறவை அறிவர்.
3. இலக்கிய நூல்களின் தோற்றக் காரணிகளை அறிந்து கொள்வர்.

அலகு - 1

20 மணி

சங்கம் பற்றிய செய்திகள் - முதல் - இடை - கடைச் சங்கங்கள் - சங்க இலக்கியங்கள் - பத்துப் பாட்டும் எட்டுத் தொகையும்.

அலகு - 2

20 மணி

சங்கம் மருவிய கால இலக்கியங்கள் - இரட்டைக் காப்பியங்கள் - பதினெண்கீழ்கணக்கு நூல்கள்.

அலகு - 3

20 மணி

ஐம்பெருங்காப்பியங்கள் - ஐஞ்சிறுங்காப்பியங்கள் - கம்பராமாயணம் - பெரிய புராணம் - சீராப்புராணம் - தேம்பாவணி

அலகு - 4

15 மணி

பக்தி இலக்கியங்கள் - சிற்றிலக்கியங்கள் - பிள்ளைத் தமிழ் - கலம்பகம் - உலா - தூது - அந்தாதி - தனிப்பாடல்கள்

அலகு - 5

15 மணி

தற்கால இலக்கியங்கள் - மரபுக்கவிதை - புதுக்கவிதை - உரைநடை - சிறுகதை - புதினம் - நாடகம் - கட்டுரை இலக்கியம்.

குறிப்பு: ஐந்து அலகுகளிலும் சமஅளவில் வினாக்கள் அமைதல் வேண்டும்.

பார்வை நூல்கள்:

தமிழ் இலக்கிய வரலாறு

-

மு.வரதராசன்

சாகித்திய அகாடெமி, குணா பில்டிங்,
443, அண்ணாசாலை,
தேனாம்பேட்டை,
சென்னை - 600 018

தமிழ் இலக்கிய வரலாறு

-

ச.சுபாஷ் சந்திரபோஸ்

இயல்,
23 பி/2739, தொப்புள் பிள்ளையார் கோவில் தெரு,
தெற்கலங்கம், தஞ்சாவூர் - 613 001
(அலைபேசி : 9940558934)

தமிழ் இலக்கிய வரலாறு - சி.கி. இலட்சுமணன்
கிருஷ்ணா வெளியீடு
திருவெறும்பூர்
திருச்சிராப்பள்ளி - 620 013
(அலைபேசி : 9442210128)

வகைமை நோக்கில்
தமிழ் இலக்கிய வரலாறு - முனைவர் பாக்யமேரி
நியூ செஞ்சரி புக் ஹவுஸ் (பி) லிட்,
41-B, சிட்கோ இண்டஸ்டிரியல் எஸ்டேட்,
அம்பத்தூர், சென்னை - 600 098
(அலைபேசி : 9442588495)

இணைய முகவரிகள்

1. www.tamilvirtualuniversity.com
2. www.maduraiproject.org
3. www.noolagam.com

CORE COURSE V

சமய இலக்கியம்

பாட நோக்கம்

1. சமயம் சார்ந்த இலக்கியங்களை அறிமுகப்படுத்தல்.
2. சமய இலக்கியங்களுக்கு இடையே நிலவும் பொதுத் தன்மைகளைத் தெளிவுபடுத்தல்.
3. சமய இலக்கியங்கள் வலியுறுத்தும் சமுதாய மேம்பாட்டுச் சிந்தனைகளை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. காலந்தோறும் பக்தி இலக்கியம் வளர்ந்து வந்துள்ள வரலாற்றை அறிவர்.
2. பல்வேறு சமயக் கோட்பாடுகளை அறிவர்.
3. அனைத்துச் சமயங்களும் வலியுறுத்தும் மனிதம் ஒன்றே என்பதை உணர்வர்.

- அலகு - 1**
1. திருஞானசம்பந்தர் - தேவாரம் - திருநள்ளாற்றுப் பதிகம் 20 மணி
'போகமார்த்த பூண்முலையாள்' எனத் தொடங்கும் பாடல் முதல் 11 பாடல்கள்
 2. திருநாவுக்கரசர் - தேவாரம் - தனிதிருத்தாண்டகம்
'அப்பன் நீ அம்மை நீ ஐயனும் நீ' எனத் தொடங்கும் பாடல் முதல் 10 பாடல்கள்
 3. சுந்தரமூர்த்தி - தேவாரம் - திருப்புன்கூர் பதிகம்
'அந்தணாளன் உன் அடைக் கலம் புகுத' எனத் தொடங்கும் பாடல் முதல் 10 பாடல்கள்

- அலகு - 2**
1. திருவாசகம் - திருச்சாழல் 20 மணி
'பூசுவதும் வெண்ணீறு பூண்பதுவும் பொங்கரவம்' எனத் தொடங்கும் பாடல் முதல் 20 பாடல்கள்
 2. திருவருட்பா - முதல் திருமுறை
'திருஓங்கு புண்ணியச் செயல் ஓங்கி அன்பருள்' எனத் தொடங்கும் பாடல் முதல் 10 பாடல்கள்

20 மணி

- அலகு - 3**
1. நூலாயிரத் திவ்யப் பிரபந்தம் - திருமங்கையாழ்வாரின் பெரிய திருமொழி
'வாடினேன் வாடி வருந்தினேன்' எனத் தொடங்கும் பாடல் முதல் 10 பாடல்கள்
 2. குலசேகர ஆழ்வாரின் - பெருமாள் திருமொழி - விற்றுவக் கோட்டமான்
தருதுயரம் தடியேல் எனத் தொடங்கும் பாடல் முதல் 10 பாடல்கள்

- அலகு - 4 மஸ்தான் சாகிபு பாடல்கள் 15 மணி
பராபரக் கண்ணி - முதல் 50 கண்ணிகள்
- அலகு - 5 இரட்சணிய யாத்திரிகம் 15 மணி
இரட்சணிய சரிதப்படலம் - சிலுவைப்பாடு

பார்வை நூல்கள்

1. சோ.ந.கந்தசாமி - திருமுறை இலக்கியம், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை.
2. மு.இராகவையங்கார் - ஆழ்வார்கள் காலநிலை, மணிவாசகர் பதிப்பகம், சிதம்பரம்.
3. தா.ஈசுவரப்பிள்ளை - பக்தி இலக்கியத்தில் சமுதாயப் பார்வை, தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர்.
4. பெ.சு.மணி - பக்தி இலக்கியங்கள் வழியே சமூகச் சீர்திருத்தம் ஓர் அறிமுகம், பூங்கொடி பதிப்பகம், மயிலாப்பூர், சென்னை.
5. மயிலை சீனி வேங்கடசாமி - கிறிஸ்தவமும் தமிழும், பாரி நிலையம், சென்னை.
6. முனைவர் ம.மு.உவைஸ், பீ.மு.அஜ்மல்கான் - இஸ்லாமியத் தமிழ் இலக்கிய வரலாறு - தொகுதி-1, மதுரை காமராசர் பல்கலைக்கழகம், மதுரை.

இணைய முகவரிகள்

1. www.tamilheritage.org
2. www.thehistoryofsrivaishnavam.wvbly.com
3. www.shaivam.org
4. <http://siddique.my/Tamil.html>
5. <http://www.sheikhagar.org/articles/muslimumma/276-islamicliterature>
6. <http://islamintamil.forumakers.com/t121-topic>
7. http://johnson11mcc.blogspot.in/2014/08/blog-post_70.html
8. www.tamilaivu.com
9. www.tamilvu.org

CORE COURSE VI

நம்பியகப் பொருள், புறப்பொருள் வெண்பாமாலை

பாட நோக்கம்

1. அகப்பொருள்,புறப்பொருள் இலக்கணம் கற்பித்தல்.
2. பழந்தமிழரின் அகவாழ்க்கை நெறிகளைப் பயிற்றுவித்தல்.
3. அகமரபு பெற்ற மாற்றங்களைத் தெளிவுபடுத்தல்.
4. பழந்தமிழரது புறவாழ்க்கை நெறிகளைக் கற்பித்தல்.

மாணவர் பெறும் திறன்

1. அகத்திணைகள் பற்றி அறிவர்.
2. உள்ளுறை, இறைச்சி போன்ற உத்தி நுட்பங்களைத் தெளிவர்.
3. புறத்திணைகள் பற்றிய அறிவைப் பெறுவர்.
4. பழங்காலப் புறவாழ்க்கை நெறிகளை உணர்வர்.

அலகு - 1	நம்பியகப் பொருள் பாயிரம், அகத்திணையியல்	15 மணி
அலகு - 2	நம்பியகப் பொருள் ஒழிபியல்	15 மணி
அலகு - 3	புறப்பொருள் வெண்பாமாலை வெட்சி - கரந்தை - வஞ்சி திணைகள்	15 மணி
அலகு - 4	புறப்பொருள் வெண்பாமாலை காஞ்சி - நொச்சி - உழிஞை திணைகள்	20 மணி
அலகு - 5	புறப்பொருள் வெண்பாமாலை தும்பை - வாகை - பாடாண் திணைகள்	25 மணி

பார்வை நூல்கள்

1. நாராயண வேலுப்பிள்ளை - நம்பியகப்பொருள், பாரி நிலையம், சென்னை.
2. வ.சுப.மாணிக்கம் - தமிழ்க் காதல், மீனாட்சி புத்தக நிலையம், மதுரை.
3. கு.வெ.பாலசுப்பிரமணியன் - சங்க இலக்கியம், நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை.
4. மாத்தளை சோமு - வியக்க வைக்கும் தமிழர் காதல், தமிழ்க்குறள் பதிப்பகம், திருச்சி.
5. கு.வெ.பாலசுப்பிரமணியம் - சங்க இலக்கியத்தில் புறப்பொருள், மெய்யப்பன் பதிப்பகம், சிதம்பரம்.
6. கு.சிவப்பிரகாசம் - புறநானூற்றில் வாழ்வியல் விழுமியங்கள், திருக்குறள் பதிப்பகம், சென்னை.
7. தமிழண்ணல் - பரிசில் வாழ்க்கை, பாரி நிலையம், சென்னை.
8. சாமி சிதம்பரனார் - பத்துப்பாட்டும் பண்டைத் தமிழரும், பூம்புகார் பதிப்பகம்,

இணைய முகவரிகள்

1. www.sangampoemsinenglish.wordpress.com
2. www.learnsangamtamil.com
3. www.chennailibrary.com
4. <http://kalithogai.blogspot.in>
5. <http://sangamtamizh.blogspot.in>
6. www.tamilvu.org
7. www.noolaham.in
8. www.projectmadurai.org

ALLIED COURSE III

தமிழக வரலாறும் மக்கள் பண்பாடும்

பாட நோக்கம்

1. தமிழ் மக்களின் சமூக வரலாற்றைக் கற்பித்தல்.
2. தமிழ் மக்களின் பண்பாட்டைப் பயிற்றுவித்தல்.
3. தமிழகத்தில் ஏற்பட்ட பண்பாட்டுப் படையெடுப்புகளை உணர்த்துதல்.
4. தமிழ் மக்களின் வாழ்வியல் விழுமியச் சிந்தனைகளைப் பயிற்றுவித்தல்.

மாணவர் பெறும் திறன்

1. தமிழ்ச் சமூகம், பண்பாடு, பொருளாதாரம் குறித்த வரலாற்றுணர்வு பெறுவர்.
2. தாய்மொழி மற்றும் தாய்நாட்டுணர்வு பெறுவர்.
3. தமிழக அரசின் போட்டித்தேர்வு முதலானவற்றிற்கான அறிவூட்டம் பெறுவர்.

அலகு - 1

15 மணி

தமிழக வரலாற்றுக்கான அடிப்படைச் சான்றுகள் - வரலாற்றுக்கு முந்திய தமிழகம் - சிந்துவெளி அகழ்வாராய்ச்சி - சங்க கால மன்னர்கள் ஆட்சி முறை - சங்க காலச் சமுதாய வாழ்வு - வணிகம் - கலை - சமயம் முதலியன.

அலகு - 2

20 மணி

களப்பிரர் காலம் - பல்லவர்கள் - பல்லவர்கள் ஆட்சிமுறை - சமுதாய வாழ்வு - சமய நிலை - கலை வளர்ச்சி - பிற்காலச் சோழப்பேரரசின் தோற்றமும் எழுச்சியும் - சோழர்களின் ஆட்சிமுறை - அவர்தம் கோயிற் பணிகள் - சோழர்காலக் கலை, இலக்கிய வளர்ச்சி - சமய நிலை - படைகள் - கோயில் சிறப்பு - கட்டடங்களும், சிற்பங்களும் - ஓவியக்கலை - மக்கள் பழக்கவழக்கங்கள் - உணவு - ஆடைகள் - அணிகலன்கள் - மருத்துவம் - நம்பிக்கைகள் - பொழுதுபோக்குகள்.

அலகு - 3

15 மணி

பாண்டியரின் ஏற்றமும் எழுச்சியும் - மாறவர்மன் சுந்தரபாண்டியன் - சடையவர்மன் சுந்தரபாண்டியன் - மாறவர்மன் குலசேகர பாண்டியன் - பாண்டிய உள்நாட்டுப்போர் - சுல்தான் ஆட்சி - விசயநகர ஆட்சி - கிருஷ்ணதேவராயர் - நாயக்கர்கள் - பிற்காலத்துப் பாண்டியர்கள் - பிற்காலப் பாண்டியர்களின் கலை, இலக்கிய, சமயப் பணிகள்.

அலகு - 4

20 மணி

மதுரை நாயக்கர்கள் - ஆங்கிலேயர் புகுதல் - மதுரை திருமலை நாயக்கர் - செஞ்சி - மதுரை நாயக்கர்கள் - சொக்கநாதர் - பிற்கால மதுரை நாயக்கர்கள் - தமிழகத்தில் 13 முதல் 18 ஆம் நூற்றாண்டுவரை சமூகநிலை - பழக்கவழக்கங்கள் - இலக்கியம் - சித்தர் பாடல்கள் - சமய நிலை.

ஐரோப்பியர்களின் வரவு - போர்ச்சுகீசியர் - டச்சுக்காரர்கள் - கிழக்கிந்தியக் கம்பெனி - முதல் கருநாடகப்போர் - இரண்டாம் கருநாடகப்போர் - மைசூர்ப் போர்கள் - பாளைக்காரர்களின் கிளர்ச்சிகள் - மருதுபாண்டியர் - தீர்த்தகிரி - 19ம் நூற்றாண்டின் அரசியலும் தமிழகத்தின் சமூக நிலையும் - வேலூர்கலகம் - குலப்பூசல்கள் - இருபதாம் நூற்றாண்டில் தமிழகத்தின் நிலை - பொருளாதார நிலை - பிற நாட்டார் தொடர்பால் தமிழர் வாழ்வில் ஏற்பட்ட மாற்றங்கள் - கல்வி, இலக்கியம் முதலான துறைகளில் ஏற்பட்ட மாற்றங்கள்.

பார்வை நூல்கள்

1. டாக்டர் கே.கே.பிள்ளை - தமிழக வரலாறு மக்களும் பண்பாடும், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை - 113. பதிப்பு 2009.
2. வே.தி.செல்லம் - தமிழக வரலாறும் பண்பாடும், மணிவாசகர் பதிப்பகம், சென்னை.
3. டாக்டர் ஹ.சுவாமிநாதன் - தமிழக வரலாறும் பண்பாடும், தீபா பதிப்பகம், சென்னை.
4. டாக்டர் அ.தட்சிணாமூர்த்தி - தமிழர் நாகரிகமும் பண்பாடும், யாழ் வெளியீடு, சென்னை - 40
5. பி.இராமநாதன் - தமிழர் வரலாறு, தமிழ்மண் பதிப்பகம், சென்னை.
6. பக்தவத்சலபாரதி - சமூகப் பண்பாட்டு மானுடவியல், அடையாளம் பதிப்பகம், திருச்சி.

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.projectmadurai.org
3. www.tamilnoolaham.in

NON MAJOR ELECTIVE - I

தமிழ் நடைக் கூறுகள்

பாட நோக்கம்

1. தமிழ் மொழி நடையின் முக்கியத்துவத்தைக் கற்பித்தல்.
2. தமிழ் நடைச் செம்மைக்குத் தேவையான பல்வேறு குறியீடுகளைப் பயிற்றுவித்தல்.
3. தமிழ்த் தொடரமைப்பு, வாக்கிய அமைப்பு சிறப்பதற்கான இலக்கணக் குறிப்புகளை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. பிழையற்ற தமிழ் நடையின் இன்றியமையாமையை உணர்வர்.
2. செய்யுள், உரைநடைகளில் கையாள வேண்டிய குறியீடுகளை அறிவர்.
3. தமிழ்த் தொடர்களை, வாக்கியங்களைப் பிழையின்றி எழுதுவதில் தேர்ச்சி பெறுவர்.

அலகு - 1

15 மணி

மொழி நடை - மொழி நடைக் குறித்து ராஜாஜி, சூரிய நாராயண சாஸ்திரியார் கருத்துக்கள் - மாதிரி உரைநடைகள் : டாக்டர் சேதுபிள்ளை, திரு.வி.க., மு.இராகவய்யங்கார், கா.சு.பிள்ளை, மறைமலையடிகளார், பேரறிஞர் அண்ணாதுரை. உரைநடையில் கவனிக்க வேண்டியவை : மொழிநடை பற்றிய டாக்டர் உ.வே.சாமிநாதய்யர், கே.எஸ்.சீனிவாசப்பிள்ளை, சூரிய நாராயண சாஸ்திரி ஆகியோரின் கருத்துக்கள் (பக்கம். 428-441).

அலகு - 2

20 மணி

வலிமிகுதல் - வலிமிகுதலும் மிகாமையும் - வலிமிகும் விதிகளின் தொகுப்பு - வலிமிகாமக்குரிய விதிகள் - எளிய சந்தி விதிகள் (பக்கம். 243-299) - சொற்றொடர் பிரிப்புத் தவறுகள் (பக்கம். 318-324)

அலகு - 3

20 மணி

வாக்கிய வகைகளும் அமைப்பு முறைகளும் : வாக்கியம் என்றால் என்ன - வாக்கிய வகைகள் - செய்தி வாக்கியம் - வினா வாக்கியம் - விழைவு வாக்கியம் - உணர்ச்சி வாக்கியம் - தனி வாக்கியம் - தொடர் வாக்கியம் - தமிழ் வாக்கியத்தின் தனிச்சிறப்பு (பக்கம். 325-340) - பத்தி அமைப்பு (பக்கம். 392-397).

அலகு - 4

20 மணி

மரபுத் தொடர்கள் - பழமொழிகள் - உவமைகள் (பக்கம். 442-477) - கட்டுரை எழுதுதல் (பக்கம். 423-427) - சிறுகதை, வாழ்க்கை வரலாறு, நகைச்சுவை இலக்கியம், நாடகம் ஆகியவை எழுதும் முறைகள் (பக்கம். 487-514)

நிறுத்தற் குறிகள் இடும்முறைகள் : காற்புள்ளி - அரைப்புள்ளி - முக்காற்புள்ளி - முற்றுப்புள்ளி - வினாக்குறி - உணர்ச்சிக்குறி - இரட்டை மேற்கோள்குறி - ஒற்றை மேற்கோள்குறி - தொடர் விடுபாட்டுக்குறி - விடுகுறி - மேற்படிக்குறி முதலான நிறுத்தற்குறிகள் (பக்கம். 398-422)

குறிப்பு : பாடத்திட்டத்தில் குறிப்பிட்டுள்ள பக்க எண்கள் பாட நூலில் உள்ள பக்கங்களைக் குறிக்கிறது.

பாட நூல்

1. அ.கி.பரந்தாமன் - நல்ல தமிழ் எழுத வேண்டுமா?, பாரி நிலையம், பிராட்வே, சென்னை.

பார்வை நூல்கள்

1. மருதூர் அரங்கராசன் - தவறின்றித் தமிழ் எழுத, ஐந்திணைப் பதிப்பகம், சென்னை.
2. முனைவர் கா.கோ.வேங்கடராமன் - இலக்கண வழிகாட்டி, கலையக வெளியீடு, சென்னை.
3. முனைவர் புலவர் த.கோடப்பிள்ளை - எளிமைத் தமிழ் இலக்கணம், கோடப்பிள்ளை அறக்கட்டளை, திருச்சி.

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.projectmadurai.org
3. www.tamilnoolaham.in

CORE COURSE VII

காப்பியம்

பாட நோக்கம்

1. தமிழ்க் காப்பியங்களை அறிமுகப்படுத்துதல்.
2. காப்பியங்கள் கூறும் வாழ்வியல் அறங்களை உணர்த்துதல்.
3. காப்பிய இலக்கியங்களின் இலக்கியச் சுவையைப் பயிற்றுவித்தல்.

மாணவர் பெறும் திறன்

1. காப்பிய இலக்கியத்தின் சிறப்புகளை அறிவர்.
2. காப்பியக் கதைகள்வழி அறச்சிந்தனை பெறுவர்.
3. பல்வேறு காப்பிய வடிவங்களைப் பற்றிய அறிவு பெறுவர்.

அலகு - 1	சிலப்பதிகாரம் - வஞ்சிக் காண்டம் முழுவதும்.	15 மணி
அலகு - 2	மணிமேகலை - 1 முதல் 9 காதைகள்.	15 மணி
அலகு - 3	சீவகசிந்தாமணி - பதுமையார் இலம்பகம் முழுவதும்	15 மணி
அலகு - 4	கம்பராமாயணம் - ஆரண்யகாண்டம் - குகப் படலம்.	15 மணி
அலகு - 5	பெரியபுராணம் - சண்டேசுர நாயனார் புராணம். சீராப்புராணம் - நடுவத்துக் காண்டம் - விருந்தாட்டுப் படலம் தேம்பாவணி - ஐயம் நீங்கு படலம்	30 மணி

பார்வை நூல்கள்

1. வ.சுப.மாணிக்கம் - இரட்டைக் காப்பியங்கள்,
2. எஸ்.வையாபுரிப்பிள்ளை - தமிழ் இலக்கிய சரிதத்தில் காவிய காலம்,
3. இரா.காசிராசன் - உலகக் காப்பியங்கள்,
4. தி.வே.கோபாலய்யர் - சீவக சிந்தாமணி காப்பிய கதை நலன்,
5. து.சீனிச்சாமி - தமிழில் காப்பியக் கொள்கை,
6. அ.ச.ஞானசம்பந்தன் - உலக மகாகவி கம்பர்.

இணைய முகவரிகள்

1. www.thoguppukal.com
2. www.kappiyakalanjiyam.blogspot.com
3. <http://www.indian-heritage.org/tamiliterature/kapiyam.html>
4. <http://www.semmozhitamil.com/p/blog-page.html>
5. www.tamilvu.org
6. www.noolaham.in
7. www.projectmadurai.org

CORE COURSE VIII

தொல்காப்பியம் எழுத்ததிகாரம் - இளம்பூரணம்

பாட நோக்கம்

1. தமிழின் ஐந்திலக்கணங்களுள் முதலாவதான எழுத்திலக்கணத்தைப் பயிற்றுவித்தல்.
2. தமிழ் மொழியின் மரபறிந்து பிழையறப் பேசவும் எழுதவும் வழிவகுத்தல்.
3. தமிழ் மொழியின் எழுத்திலக்கணக் கோட்பாடுகளைத் தெளிவுபடுத்தல்.

மாணவர் பெறும் திறன்

1. தமிழ் மொழியின், இலக்கணத்தின் தொன்மையை அறிவர்.
2. தமிழைப் பிழையின்றி எழுதும் திறன் பெறுவர்.
3. வல்லினம் மிகும் இடங்கள் மிகா இடங்களை அறிவர்.

அலகு - 1	நூன் மரபு, மொழி மரபு	20 மணி
அலகு - 2	பிறப்பியல், புணரியல்	20 மணி
அலகு - 3	தொகை மரபு, உருபியல்	20 மணி
அலகு - 4	உயிர் மயங்கியல், புள்ளி மயங்கியல்	20 மணி
அலகு - 5	குற்றியலுகரப் புணரியல்	10 மணி

பார்வை நூல்

1. பாவலரேறு ச.பாலசுந்தரம் - தொல்காப்பியம் எழுத்ததிகாரம் (தொகுதி-1), ஆராய்ச்சிக் காண்டிகையுரை, பெரியார்ப் பல்கலைக்கழகம், சேலம்.

இணைய முகவரிகள்

1. www.store.tamillexicon.com
2. www.kala.tamilforu.blogspot.com
3. www.noolaham.in
4. www.ilakkanam.com
5. www.tamilvu.org

ALLIED COURSE IV

படைப்பிலக்கியம்

பாட நோக்கம்

1. படைப்பிலக்கியத்தின் பல்வேறு கூறுகளைக் கற்பித்தல்.
2. படைப்பிலக்கிய மொழியின் தனித்தன்மைகளை அறிவுறுத்தல்.
3. கவிதை, நாடகம், உரைநடை, சிறுகதை ஆகியவற்றின் தனித்தன்மைகளைக் கற்றுத்தருதல்.

மாணவர் பெறும் திறன்

1. தமிழ் யாப்பிலக்கண மரபை அறிவர்.
2. இலக்கியப் படைப்பாக்கத் திறன் பெறுவர்.
3. பல்வேறு உரைநடை வகைகளைக் கையாள்வதில் பயிற்சி பெறுவர்.

அலகு - 1

15 மணி

சிறுகதை எழுதுதல் - சிறுகதையின் இலக்கணத்தை மீறாது கொடுக்கப்படும் சமுதாயச் சிக்கலை அடிப்படையாகக் கொண்டு ஐந்து பக்கங்களுக்கு மிகாமல் சிறுகதை எழுதப் பயிற்றுவித்தல்.

அலகு - 2

15 மணி

மரபுக்கவிதை, புதுக்கவிதை எழுதுதல் - மையக் கருத்தை அடிப்படையாகக் கொண்டு 20 அடிகளுக்கு மிகாமல் மரபு அல்லது புதுக்கவிதை எழுதப் பயிற்றுவித்தல்.

அலகு - 3

20 மணி

ஓரங்க நாடகம் எழுதுதல் - வானொலி அல்லது தொலைக்காட்சிக்கு ஏற்ப, வழங்கப்படும் சூழலைச் சிந்தனையில் கொண்டு ஐந்து காட்சிகளுக்கு மிகாமல் ஓரங்க நாடகம் எழுதக் கற்றுத் தருதல் - பயிற்சி அளித்தல்.

அலகு - 4

20 மணி

நேர்முக வர்ணனை எழுதுதல் - கோயில் திருவிழா, கலை இலக்கிய விழா, பண்பாட்டு நோக்கு விழா, விளையாட்டு ஆகியன பற்றிய நேர்முக வருணனையை வானொலி, தொலைக்காட்சிகளுக்கு ஏற்ப எழுதக் கற்றுத்தருதல் - பயிற்சியளித்தல்.

அலகு - 5

20 மணி

உரைநடைக் கட்டுரை எழுதுதல் - அறிவியல், உளவியல், சமூகவியல், கல்வியியல் பொருளியியல் தகவல்களை மனதில் கொண்டு கொடுக்கப்படும் தலைப்பை ஒட்டி ஐந்து பக்கங்களுக்கு மிகாமல் கட்டுரை எழுதப் பழக்குதல்.

பார்வை நூல்கள்

- 1.மேலாண்மை பொன்னுச்சாமி - சிறுகதைப் படைப்பின் உள்விவகாரம், குமரிப் பதிப்பகம், நாகப்பட்டினம்.
- 2.கி.வா.ஐ - கவி பாடலாம், சீதை பதிப்பகம், சென்னை.
- 3.மா.இராமலிங்கம் - புதிய உரைநடை, தமிழ்ப் புத்தகாலயம், சென்னை.
- 4.த.ராசு - புதிய நோக்கில் படைப்பிலக்கியம், மணிவாசகர் பதிப்பகம், சென்னை.
- 5.மு.சுதந்திரமுத்து - படைப்புக் கலை, பார்க்கர் வெளியீடு, சென்னை.
- 6.மு.வரதராசன் - இலக்கிய மரபு, பாரி நிலையம், சென்னை.
- 7.மு.வரதராசன் - இலக்கியத் திறன், பாரி நிலையம், சென்னை.

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.sirukathaigal.com
3. www.noolaham.in
4. www.katuraitamil.blogspot.in

NON MAJOR ELECTIVE - II

சிந்தனையியல்

பாட நோக்கம்

1. மனித சமூகத்தில் சிந்தனை தோன்றி வளர்ந்த வரலாற்றைக் கற்பித்தல்.
2. உலகின் மிகச்சிறந்த சிந்தனையாளர்களின் சிந்தனைகளைப் பயிற்றுவித்தல்.
3. இந்திய, தமிழக சிந்தனையாளர்களின் சமூகம் சார்ந்த சிந்தனைகளை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. சமூக மாற்றத்திற்கு சிந்தனை வளர்ச்சி தேவை என்பதை உணர்வர்.
2. உலக, இந்திய, தமிழக சிந்தனையாளர்களின் சமூகப் பங்களிப்பை அறிவர்.
3. சமூகம் சார்ந்த சுயசிந்தனையை வளர்த்துக்கொள்ளும் ஆற்றல் பெறுவர்.

அலகு - 1

20 மணி

சிந்தனையியல் - விளக்கம் - மேலை நாட்டுச் சிந்தனையாளர்கள் - சாக்ரடீஸ் - அரிஸ்டாட்டில் - பிளாட்டோ - தமிழில் சிந்தனையியல் வளர்ந்த வரலாறு - திருவள்ளூர் சிந்தனைகள் - சித்தர்களின் சமூகச் சிந்தனைகள் - வள்ளலார் சிந்தனைகள்

அலகு - 2

20 மணி

காந்தியடிகள் சிந்தனைகள் - அகிம்சை - சமயக் கோட்பாடு - பெண்கள் - சமுதாய ஒற்றுமை - அரசியல், பொருளாதார விடுதலை

அலகு - 3

15 மணி

காரல் மார்க்ஸ் சிந்தனைகள் - மார்க்சிய கோட்பாடுகள் - அவற்றின் வழி சமூக, பொருளாதார மாற்றங்கள்

அலகு - 4

15 மணி

அம்பேத்கார் சிந்தனைகள் - அம்பேத்காரின் அனுபவங்களும் இவற்றின் வழி உருவான சிந்தனைகள் - மதம், சாதி பற்றிய சிந்தனைகள் - அரசியல் அமைப்புச் சட்டம் இயற்றலில் அவரின் பங்கு

அலகு - 5

20 மணி

பெரியார், மற்றும் அண்ணா சிந்தனைகள் - மதம், கடவுள், மொழி, சாதி, பெண்ணடிமை, சமுதாய ஏற்றத்தாழ்வு பற்றி பெரியார், அண்ணா ஆகியோரின் சிந்தனைகளும், செயல்பாடுகளும்

பார்வை நூல்கள்

1. காரல் மார்க்ஸ் - வெ. சாமிநாதசர்மா
2. வள்ளலார் கண்ட ஒருமைப்பாடு - ம.பொ.சி
3. பெரியாரின் சிந்தனைகள் (மூன்று தொகுதிகள்) - வே. ஆனைமுத்து
4. அறிஞர் அண்ணாவின் வாழ்வும் வாக்கும் - சி.எம்.ஏ. பரிமளம்
5. சத்திய சோதனை - காந்தியடிகள்

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.projectmadurai.org
3. www.tamilnoolaham.in

CORE COURSE IX

அற இலக்கியம் (திருக்குறள் நீங்கலாக)

பாட நோக்கம்

1. தமிழ் அற இலக்கியங்களைக் கற்பித்தல்.
2. தமிழ் அற இலக்கியங்களின் தனித்தன்மைகளை அறிவுறுத்தல்.
3. அற இலக்கிய காலத்தின் சமூக, அரசியல், பொருளாதாரப் பின்னணியை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. தமிழ் அற இலக்கியங்கள் பற்றிய அறிவைப் பெறுவர்.
2. சமூக வாழ்வியலுக்கான அடிப்படை அறங்களைக் கற்பார்.
3. இலக்கியங்கள் வெளிப்படுத்தும் சமூகப் பொறுப்புணர்ச்சியை உணர்வர்.

15 மணி

- அலகு - 1 நாலடியார் - பொறையுடைமை - 1 முதல் 10 வரை (10 பாடல்கள்)
ஈகை - 1 முதல் 10 வரை (10 பாடல்கள்)
புழமொழி - உறவினர் - 1 முதல் 9 வரை (9 பாடல்கள்)
அறம்செய்தல் - 1 முதல் 15 வரை (15 பாடல்கள்)

- அலகு - 2 சிறுபஞ்ச மூலம் - 26 முதல் 45 வரை (20 பாடல்கள்) 15 மணி
ஏலாதி - 41 முதல் 60 வரை (20 பாடல்கள்)

- அலகு - 3 முதுமொழிக்காஞ்சி - முழுவதும் 20 மணி
நான்மணிக்கடிகை - 31 முதல் 50 வரை (20 பாடல்கள்)

- அலகு - 4 திரிகடுகம் - 71 முதல் 90 வரை (20 பாடல்கள்) 15 மணி
இனியவை நாற்பது - 21 முதல் 40 வரை (20 பாடல்கள்)

- அலகு - 5 ஆத்திகுடி - ஓளவையார் 25 மணி
ஆத்திகுடி - பாரதிதாசன்

பார்வை நூல்

1. வ.சுப.மாணிக்கம் - நீதி நூல்கள், தமிழ் நிலையம், சென்னை.
2. ந.சுப்புரெட்டியார் - தமிழ் இலக்கியங்களில் நீதி-அறம்-முறைமை, ஐந்திணைப் பதிப்பகம், சென்னை.

இணைய முகவரிகள்

1. www.thoguppukal.com
2. www.sagotharan.wordpress.com
3. www.tamilvu.org
4. www.noolaham.in
5. www.projectmadurai.org

CORE COURSE X

யாப்பருங்கலக்காரிகை

பாட நோக்கம்

1. தமிழ் யாப்பிலக்கணம் கற்பித்தல்.
2. பா வகைகளைப் பயிற்றுவித்தல்.
3. பா இனங்களைக் கற்றுத்தருதல்.

மாணவர் பெறும் திறன்

1. செய்யுள் உறுப்புக்களை அறிவர்.
2. பா வகைகள், பாவினங்களை அறிவர்.
3. மரபுக் கவிதை படைக்கும் தூண்டுதல் பெறுவர்.

அலகு - 1	பாயிரம், எழுத்து, அசை	10 மணி
அலகு - 2	சீர், தளை, அடி, தொடை	30 மணி
அலகு - 3	வெண்பா, அகவற்பா	20 மணி
அலகு - 4	கலிப்பா, வஞ்சிப்பா, மருட்பா	20 மணி
அலகு - 5	ஒழிபியல்	10 மணி

பார்வை நூல்

1. மே.வி. வேணுகோபால் - யாப்பருங்கலக்காரிகை, கழக வெளியீடு, சென்னை.
2. டாக்டர் கு.முத்துராசன் - எளிய முறையில் யாப்பிலக்கணக்காரிகை, பாரி நிலையம், சென்னை.
3. வசந்தா - யாப்பிலக்கண வினாவிடை, பாரி நிலையம், சென்னை.

இணைய முகவரிகள்

1. www.store.tamillexicon.com
2. www.kala.tamilforu.blogspot.com
3. www.noolaham.in
4. www.tamilpeper.net
5. www.sangatham.com

CORE COURSE XI

தண்டியலங்காரம்

பாட நோக்கம்

1. தமிழ் இலக்கிய அணிகளைக் கற்பித்தல்.
2. அணிகளின் வகைகளையும், இலக்கணத்தையும் பயிற்றுவித்தல்.
3. அணி இலக்கணப் பரிணாம வளர்ச்சியைக் கற்றுத் தருதல்.

மாணவர் பெறும் திறன்

1. பாடல்களில் உள்ள அணிகளை இனம் காண்பார்.
2. அணிகளின் நுட்பமான வேறுபாடுகளை அறிவார்.
3. தத்தம் படைப்பாக்கங்களில் பல்வேறு அணிகளைப் பயன்படுத்துவார்.

அலகு - 1	தன்மை - உவமை - உருவகம்	20 மணி
அலகு - 2	தீவகம் - வேற்றுப் பொருள்வைப்பணி - ஒட்டணி - தற்குறிப்பு.	20 மணி
அலகு - 3	ஏது, நுட்பம், இலேசம் - நிரல்நிறையணி, சுவையணி	20 மணி
அலகு - 4	தன் மேம்பாட்டுரை - பரியாயம் - சிலேடை - அவநுதி	15 மணி
அலகு - 5	ஒப்புமை - மாறுபடுபுகழ்நிலை - புகழாப்புக்கழ்ச்சி - வாழ்த்து - பாஷகம்.	15 மணி

பார்வை நூல்கள்

1. கொ.இராமலிங்கத் தம்பிரான் - தண்டியலங்காரம், சைவசித்தாந்த நூற்பதிப்புக் கழகம், சென்னை.
2. வ.த.இராமசுப்பிரமணியம் - தண்டியலங்காரம், பாரி நிலையம், சென்னை.

இணைய முகவரிகள்

1. www.suntan.com
2. www.ilakkanam.org
3. <http://www.tamilvu.org/library/10800/html/10800ind.htm>
4. <http://store.tamillexicon.com/தண்டியலங்காரம்/>

CORE COURSE XII

தொல்காப்பியம் சொல்லதிகாரம் - இளம்பூரணம்

பாட நோக்கம்

1. நால்வகைச் சொற்களின் இலக்கணத்தைக் கற்றுத்தருதல்.
2. தமிழ்ச் சொற்றொடர்களை மரபுவழிப் பிழையின்றி எழுதக் கற்பித்தல்.
3. தமிழ்ச் சொற்களின் பயன்பாட்டை அறியச் செய்தல்.

மாணவர் பெறும் திறன்

1. தமிழ் மொழியின் சொல் இலக்கணத்தை அறிவர்.
2. தமிழ்ச் சொற்றொடர்களைத் தவறின்றி எழுதும் திறன் பெறுவர்.
3. மொழிநடையில் தேர்ச்சி பெறுவர்.

அலகு - 1	கிளவியாக்கம்	15 மணி
அலகு - 2	வேற்றுமையியல், வேற்றுமை மயங்கியல்	20 மணி
அலகு - 3	விளி மரபு, பெயரியல்	15 மணி
அலகு - 4	வினையியல், இடையியல்	20 மணி
அலகு - 5	உரியியல், எச்சவியல்	20 மணி

பார்வை நூல்

2. பாவலரேறு ச.பாலசுந்தரம் - தொல்காப்பியம் சொல்லதிகாரம் (தொகுதி-2), ஆராய்ச்சிக் காண்டிகையுரை, பெரியார்ப் பல்கலைக்கழகம், சேலம்.

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.noolaham.in
3. www.ilakkanam.com
4. www.store.tamillexicon.com
5. www.projectmadurai.org

MAJOR BASED ELECTIVE I

தமிழின் செம்மொழிப்பண்புகள்

பாட நோக்கம்

1. உயர்தனிச் செம்மொழியின் பண்புகளை மாணவர் மனத்தில் பதியவைத்தல்.
2. தமிழ்மொழியின் பழமை, சிறப்பு, இலக்கிய விழுமியங்கள் ஆகியனவற்றைக் கற்பித்தல்.
3. செவ்வியல் இலக்கியங்களை அறியச் செய்தல்.

மாணவர் பெறும் திறன்

1. தமிழ், உலகச் செம்மொழிகளுள் ஒன்று என்பதைத் தெளிவர்.
2. தமிழுக்குச் செம்மொழி தகுதிதந்த தமிழ்ச் செவ்விலக்கியங்களை அறிவர்.
3. தமிழ்ச் செவ்விலக்கியங்கள் தரும் வாழ்வியல் விழுமியங்களை உணர்வர்.

அலகு - 1

15 மணி

செவ்வியல் - சொற்பொருள் விளக்கம் - அகராதிப் பொருண்மைகள் - தமிழ் வழக்காறுகளில் செம்மொழிக்கான குறிப்புகள் - செவ்வியல் தகுதிக்கான அடிப்படைக் கூறுகளின் பட்டியல்.

அலகு - 2

15 மணி

உலக, இந்திய மொழிக்குடும்பங்கள் - திராவிட மொழிக்குடும்பம் - முதல் மொழி - தமிழ் - பிற திராவிட மொழிகள் - தமிழின் தொன்மை - தனிச்சிறப்புகள்.

அலகு - 3

20 மணி

தமிழ்ச்செம்மொழியின் பண்புகள் - தொன்மை - தனித்தியங்கும் தனித்தன்மை - பிறமொழித் தாக்கமில்லா தன்மை - தாய்மைத் தன்மை - இலக்கிய வளம் - இலக்கண வளம் - பொதுமைப் பண்பு - பட்டறிவு வெளிப்பாடு - கலை, இலக்கிய வெளிப்பாடு - அறிவியல் தொழில்நுட்ப வளர்ச்சிக்கு ஈடுகொடுத்தல் - வரலாற்றுடைமை - உயர்சிந்தனைகள் - மொழிக்கோட்பாடு.

அலகு - 4

20 மணி

தமிழின் இலக்கியச் செழுமை - தமிழ்ச் செம்மொழி நூல்கள் - தொல்காப்பியம் - எட்டுத்தொகை - பத்துப்பாட்டு - பதினெண்கீழ்க்கணக்கு - இறையனார் களவியல் - சிலப்பதிகாரம் - மணிமேகலை - முத்தொள்ளாயிரம் இவற்றின் தனித்தன்மைகளும் சிறப்புகளும்.

தமிழ்ச்செம்மொழி இலக்கியங்களின் பாடுபொருள் சிறப்புகள் - இயற்கைப் புனைவு -
கற்பனைத்திறன் - நடப்பியல் - குறிக்கோளியல் - வரலாற்றுடைமை.

பார்வை நூல்கள்

1. மணவை முஸ்தபா - செம்மொழி உள்ளும் புறமும், அறிவியல் தமிழ் அறக்கட்டளை, சென்னை.
2. ஜி.ஜான் சாமுவேல் - செம்மொழிகள் வரிசையில் தமிழ், சென்னை.
3. வா.செ. குழந்தைசாமி - உலகச்செவ்வியல் மொழிகளின் வரிசையில் தமிழ் பாரதி பதிப்பகம், சென்னை.
4. ச.அகத்தியலிங்கம் - சங்க இலக்கியங்கள் செவ்வியல் இலக்கியங்களே! (ப.79 - 312), மணிவாசகர் பதிப்பகம், சென்னை.
5. ஞா.தேவநேயப்பாவாணர் - முதல் தாய்மொழி, தமிழ்மண் பதிப்பகம், சென்னை.
6. முனைவர் பாக்கியமேரி - தமிழ்ச் செம்மொழி வரலாறு, வேந்தன் பதிப்பகம், சென்னை.

இணைய முகவரிகள்

1. www.learnsangamtamil.com
2. www.chennaiLibrary.com
3. www.sangatamil.com
4. www.semmozhitamil.com
5. www.cict.in
6. www.chemmozhi.net
7. www.tamilwikipedia.org

CORE COURSE XIII

திருக்குறள்

பாட நோக்கம்

1. திருக்குறள் சுட்டும் அறங்களைப் பயிற்றுவித்தல்.
2. திருக்குறளில் உள்ள அழகியல் கூறுகளைக் கற்பித்தல்.
3. உலக அற இலக்கியங்களுள் திருக்குறள் உயர்ந்து நிற்பதை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. சமுதாய வாழ்விற்கான அற உணர்வைப் பெறுவர்.
2. திருக்குறளில் அமைந்துள்ள இலக்கிய அழகியலை உணர்வர்.
3. திருக்குறளின் காலம் கடந்து நிற்கும் தன்மையைத் தெளிவர்.

அலகு - 1

10 மணி

திருக்குறள் நூலமைப்பு - அதிகாரப்பகுப்புமுறை - திருக்குறள் உணர்த்தும் வாழ்வியல் விழுமியங்கள் - அழகியல் கூறுகள் - அணிநலன்கள் - ஜி.யு.போப், ஆல்பர்ட் சுவைட்சர், எல்லீஸ் போன்ற அறிஞர் கருத்துக்கள் - சமஸ்கிருத, இலத்தீன், கிரேக்க நீதி நூல்களுடன் ஒப்பிடல் - திருக்குறளின் உயர்வு சிறப்பும்.

அலகு - 2 இறைவணக்கம் முதல் பயனில் சொல்லாமை வரை 20 அதிகாரங்கள் 20 மணி

அலகு - 3 தீவினை அச்சம் முதல் கல்வி வரை 20 அதிகாரங்கள் 20 மணி

அலகு - 4 கல்லாமை முதல் ஊக்கம் உடைமை வரை 20 அதிகாரங்கள் 20 மணி

அலகு - 5 தகையணங்குறுத்தல் முதல் குறிப்பறிவுறுத்தல் வரை 20 அதிகாரங்கள் 20 மணி

பார்வை நூல்

1. க.த.திருநாவுக்கரசு - திருக்குறள் நீதி இலக்கியம், சென்னைப் பல்கலைக்கழக வெளியீடு, சென்னை.
2. மு.வரதராசனார் - திருக்குறள் தெளிவுரை, சைவசித்தாந்த நூற்பதிப்புக்கழகம், சென்னை.
3. கி.ஆ.பெ.விசுவநாதம் - வள்ளுவரும் குறளும், பாரி நிலையம், சென்னை.
4. புலவர் இரா.இளங்குமரனார் - வாழ்வியல் சிக்கல்களும் வள்ளுவத் தீர்வுகளும், உலகத் திருக்குறள் ஆய்வு மையம், சென்னை.
5. எஸ்.ராமகிருஷ்ணன் - திருக்குறள் ஒரு சமுதாயப் பார்வை, மீனாட்சி புத்தக நிலையம், மதுரை.
6. ந.சுப்புரெட்டியார் - தமிழ் இலக்கியங்களில் நீதி-அறம்-முறைமை, ஐந்திணைப் பதிப்பகம், சென்னை.

இணைய முகவரிகள்

1. <http://www.thirukkural.com/>
2. <http://kural.muthu.org/>
3. <http://www.valaitamil.com/thirukkural.php>
4. <https://thirukkural133.wordpress.com/contents/>
5. www.tamilvu.org
6. www.noolaham.in

CORE COURSE XIV

பண்டைய இலக்கியம்

பாட நோக்கம்

1. பழந்தமிழ் இலக்கிய வளத்தை உணர்த்துதல்.
2. சங்க அகப்புற பாடல் மரபுகளைப் பயிற்றுவித்தல்.
3. புற இலக்கியங்கள் காட்டும் வாழ்வியல் அறங்களை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. பழந்தமிழ் இலக்கிய மரபை அறிவர்.
2. சங்க இலக்கியங்களில் உள்ள அழகியல் கூறுகளை உணர்வர்.
3. வாழ்வியல் அறங்கள் மற்றும் வரலாற்றுச் செய்திகளை அறிவர்.

அலகு - 1	குறிஞ்சிப்பாட்டு முழுவதும்	15 மணி
அலகு - 2	அ. நற்றிணை 55-74 (20 பாடல்கள்) ஆ. குறுந்தொகை 20-40 (20 பாடல்கள்) இ. ஐங்குறுநூறு- வேட்கைப் பத்து (10 பாடல்கள்)	20 மணி
அலகு - 3	அ. அகநானூறு- களிற்றியானைநிரை 44-53 (10 பாடல்கள்) ஆ. கலித்தொகை- குறிஞ்சிக்கலி 02-10 (09 பாடல்கள்) இ. பரிபாடல் - செவ்வேள் - 14 (01 பாடல்)	20 மணி
அலகு - 4	அ. புறநானூறு 100-120 (20 பாடல்கள்)	20 மணி
அலகு - 5	அ. பதிற்றுப்பத்து- ஐந்தாம் பத்து (10 பாடல்கள்)	15 மணி

பார்வை நூல்கள்

1. கு.வெ.பாலசுப்பிரமணியன் - சங்க இலக்கியம், நியூ செஞ்சரி புக் ஹவுஸ், சென்னை.
2. ந.சுப்புரெட்டியார், அகத்திணை இலக்கியக் கொள்கைகள்,
3. வ.சுப.மாணிக்கம், தமிழ்க்காதல், மணிவாசகர் பதிப்பகம், சென்னை.
4. எம்.நாராயண வேலுப்பிள்ளை - சங்க இலக்கியச் சொல்லோவியங்கள், திருமகள் நிலையம், சென்னை.
5. கு.வெ.பாலசுப்பிரமணியன் - சங்க இலக்கியத்தில் புறப்பொருள், மெய்யப்பன் பதிப்பகம், சிதம்பரம்.
6. தமிழண்ணல் - பரிசில் வாழ்க்கை, பாரி நிலையம், சென்னை.
7. க.அப்பாதுரையார் - சங்ககாலப் புலவர்கள், தமிழ்மண் பதிப்பகம், தி.நகர், சென்னை.
8. சே.செந்தமிழ்ப்பாவை - செம்மொழிச் சிந்தனைகள், பல்லவி பதிப்பகம், ஈரோடு.
9. இரெ.குமரன் - செவ்வியல் நூல்கள்-41 பொன்மொழிகள், கவின் பதிப்பகம், தஞ்சாவூர்.

இணைய முகவரிகள்

1. www.sangampoemsinenglish.wordpress.com
2. www.learnsangamtamil.com
3. www.chennailibrary.com
4. <http://kalithogai.blogspot.in>
5. www.sangatamil.com
6. www.puram400.org
7. www.semmozhitamil.com
8. www.tamilvu.org
9. www.noolaham.in
10. www.projectmadurai.org

CORE COURSE XV

தொல்காப்பியம் பொருளதிகாரம் - இளம்பூரணம்

(செய்யுளியல் நீங்கலாக)

பாட நோக்கம்

1. தொல்காப்பியப் பொருளிலக்கணம் தமிழ்க் கவிதைகளுக்கான கவிதையியல் மரபை உணர்த்துகிறது என்பதைத் தெளிவுபடுத்தல்.
2. இலக்கியத்தின் கூறுகளான வடிவம், உள்ளடக்கம், உணர்ச்சி, அணிகள் ஆகியவற்றைப் பொருளதிகாரம்வழி உணர்த்துதல்.
3. தமிழின் திணைசார் வாழ்வியலை மாணவர்களுக்குப் பயிற்றுவித்தல்.

மாணவர் பெறும் திறன்

1. தமிழ் மரபுக் கவிதையின் இலக்கணத்தை அறிவர்.
2. பண்டையத் தமிழ் அக, புற இலக்கிய மரபுகளை அறிவர்.
3. மரபுக் கவிதை படைக்கும் படைப்பாற்றல் பெறுவர்.

அலகு - 1	அகத்திணையியல்	15 மணி
அலகு - 2	புறத்திணையியல்	15 மணி
அலகு - 3	களவியல், கற்பியல்	25 மணி
அலகு - 4	பொருளியல், மெய்ப்பாட்டியல்	15 மணி
அலகு - 5	உவமையியல், மரபியல் (செய்யுளியல் நீங்கலாக)	20 மணி

பார்வை நூல்

1. பாவலரேறு ச.பாலசுந்தரம் - தொல்காப்பியம் பொருளதிகாரம் (தொகுதி-3, பகுதி-1, பகுதி-2, பகுதி-3), ஆராய்ச்சிக் காண்டிகையுரை, பெரியார்ப் பல்கலைக்கழகம், சேலம்.

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.noolaham.in
3. www.ilakkanam.com
4. www.store.tamillexicon.com
5. www.projectmadurai.org

MAJOR BASED ELECTIVE COURSE II

கல்வெட்டியல்

பாடநோக்கம்

1. தமிழின் தொன்மையைச் சான்றுகளுடன் பயிற்றுவித்தல்.
2. கல்வெட்டுக்கள் வழிப் பழந்தமிழர் வரலாற்றைக் கற்பித்தல்.

மாணவர் பெறும் திறன்

1. தமிழ்மொழியின் தொன்மையை அறிவர்.
2. தமிழ்ப் பண்பாட்டின் தொன்மை, பெருமை ஆகியனவற்றை அறிவர்.
3. தமிழ்மொழி, இனத்தின் வரலாற்றை உணர்வர்.

அலகு - 1

15 மணி

பண்டைக் குறியீடுகளும் எழுத்துகளும் - பூலாங்குறிச்சி கல்வெட்டு எழுத்துக்கள் - தமிழ்நாட்டு எழுத்து முறைகளின் வளர்ச்சி - தமிழ்க் கல்வெட்டுக் கண்டுபிடிப்புகள்.

அலகு - 2

20 மணி

கல்வெட்டுகளும் இலக்கியமும் - தமிழ்க் கல்வெட்டுகளும் வரலாறும் - செப்பேடுகள் - பதிப்பித்தலில் அணுகுமுறை - மெய்க்கீர்த்தி - ஓலையும் கல்வெட்டும்.

அலகு - 3

20 மணி

சோழர் காலத்திய ஆவணப் பதிவு முறைகள் - சில அரிய சொற்கள் - ஆள் பெயர்கள் காட்டும் சமுதாயம் - மாராயமும் மாராயனும் - வைத்திய குலம்.

அலகு - 4

20 மணி

கல்வெட்டில் இந்து - முஸ்லீம் சமய ஒருமைப்பாடு - சேலம் மாவட்டக் கல்வெட்டுகள் - விடுகாதழகிய பெருமாள் - எழுத்துப் பொறிப்புப்பெற்ற தீர்த்தங்கரர் திருமேனி - அழுந்தாரும் அழுந்தியூரும்.

அலகு - 5

15 மணி

தொண்டியில் ஒரு புதிய கல்வெட்டு - வரலாற்று நோக்கில் நாகப்பட்டினம் - தஞ்சை மராட்டியர் கல்வெட்டுகளும் செப்பேடுகளும் - ஓலை ஆவணங்களும் முத்திரை ஓலைகளும்.

பாட நூல்

1. முனைவர் எ. சுப்பராயலு, முனைவர் செ. இராசு (பதிப்பாசிரியர்கள்), தமிழ்க் கல்வெட்டியலும் வரலாறும், தமிழ்ப் பல்கலைக்கழக வெளியீடு, தஞ்சாவூர்.

பார்வை நூல்கள்

1. நடன காசிநாதன் - கல்வெட்டு ஓர் அறிமுகம்,
2. க.நெடுஞ்செழியன் - மெய்க்கீர்த்திகள், மனிதம் பதிப்பகம், 54, இராசாராம் சாலை, கே.கே.நகர், திருச்சி.

இணைய முகவரிகள்

1. <http://www.tamiluniversity.ac.in/tamil/கல்வி-2/புலங்கள்/கல்வெட்டியல்-மற்றும்-தொல/>
2. <http://www.ulakaththamizh.org/JOTSCArticle.aspx?id=29>
3. <http://sarasvatam.in/ta/category/கல்வெட்டியல்/>
4. www.history.com
5. www.tamiled.co.uk

MAJOR BASED ELECTIVE III

நாடகவியல்

பாடநோக்கம்

1. நாடக இலக்கியத்தின் அமைப்புமுறையைக் கற்பித்தல்.
2. நாடக இலக்கியம் தோன்றி வளர்ந்த வரலாற்றைப் பயிற்றுவித்தல்.
3. காலந்தோறும் நாடக இலக்கியம் தந்த சமூகப் பங்களிப்பை உணர்த்துதல்.

மாணவர் பெறும் திறன்

1. தமிழ் நாடக இலக்கியத்தின் தொன்மையையும் சிறப்பையும் அறிவர்.
2. தமிழ்ச் சமூக மாற்றத்தோடு நாடகக்கலை தொடர்ந்து வரும் தன்மையை உணர்வர்.
3. நாடகப் படைப்பாக்கத்திற்கான தூண்டுதலைப் பெறுவர்.

அலகு - 1

15 மணி

நாடகம் சொல் விளக்கம் - நாடகத்திற்கான இலக்கணம் - தமிழில் நாடகத்தின் தோற்றம் வளர்ச்சி - தொல்காப்பியர்கூறும் நாடக வழக்கு - சங்க இலக்கியக் கூத்தர், பொருநர், விறலியர் - சிலப்பதிகாரத்தில் கூத்துக்கள் - பல்லவர் சோழர், கால நாடகங்கள் - ஆங்கிலேயர்காலத்தில் நாடகங்கள் - தற்கால நாடகங்கள் ஆகியவற்றை அறிமுக அளவில் கற்பித்தல்.

அலகு - 2

20 மணி

நாடகத்துறை வளர்ச்சியில் நாடகக் கலைஞர்களின் பங்களிப்பு - பரிதிமாற் கலைஞர் - சங்கரதாஸ் சுவாமிகள் - பம்மல் சம்பந்த முதலியார் - டி.கே.சண்முகம் - சி.என்.அண்ணாதுரை - கோமல் சுவாமிநாதன் ஆகியோரின் பங்களிப்புகள்.

அலகு - 3

15 மணி

நாடக வகைகள் - செய்யுள், உரைநடை வகைகள் - சமூக, வரலாற்று, பராண நாடக வகைகள் - ஓரங்க முழுநீள நாடக வகைகள் - வானொலி, தொலைக்காட்சி நாடகங்கள் - வீதி நாடகங்கள் முதலான பல்வேறு வகைகள்.

அலகு - 4

20 மணி

நாடக நடிகர்களுக்குரிய பண்புகள், திறமைகள் - ஒலி, ஒளி அமைப்பு - நாடக மேடை நிர்வாகம் - நாடகங்களில் உரையாடல் அமைக்கும் திறன் - சொல்லாட்சித்திறன் - நாடகக் கருவைத் தேர்வதில் படைப்பாளனின் திறமை ஆகியன.

அலகு - 5

20 மணி

ஒரு குறிப்பிட்ட கருத்து, அல்லது சமுதாயச் சிக்கலின் அடிப்படையில் அரசியல், சமூக வரலாற்று நாடகம் எழுதப் பயிற்சி அளித்தல்.

பார்வை நூல்கள்

1. ஆறு.அழகப்பன் - தமிழ் நாடகத் தோற்றமும் வளர்ச்சியும்,
2. டி.கே. சண்முகம் - நாடகக் கலை
3. பம்மல் சம்மந்த முதலியார் - நாடகத் தமிழ்
4. மு. இராமசுவாமி - தமிழ்ச் சமூகத்தில் கூத்து - நாடகம்
5. எஸ்.பி. சகஸ்ரநாமம் - நாடகக் கலையில் வரலாறு
6. நாரண. துரைக்கண்ணன் - தமிழில் நாடகம்

இணைய முகவரிகள்

1. www.tamilvu.org
2. www.noolaham.in
3. www.projectmadurail.org

BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 620 024

M.A. Tamil - Revised Course Structure under CBCS

(For the candidate admitted from the academic year 2016-2017 onwards)

Sem ester	Course	Course Title	Ins. Hrs/ Week	Credit	Exam Hrs	Marks		Total	
						Int.	Ext		
I	Core Course - I(CC)	இக்கால இலக்கியம் I	6	4	3	25	75	100	
	Core Course -II(CC)	இக்கால இலக்கியம் II	6	4	3	25	75	100	
	Core Course - III(CC)	சிற்றிலக்கியம்	6	4	3	25	75	100	
	Core Course - IV(CC)	தொல்காப்பியம் - எழுத்ததிகாரம் - நச்சினார்க்கினியர் உரை	6	4	3	25	75	100	
	Elective Course - I(EC)	கணிணித் தமிழ்	6	4	3	25	75	100	
	TOTAL			30	20				500
II	Core Course - V(CC)	சமய இலக்கியம்	6	5	3	25	75	100	
	Core Course -VI(CC)	காப்பிய இலக்கியம்	6	5	3	25	75	100	
	Core Course - VII(CC)	அற இலக்கியம்	6	5	3	25	75	100	
	Core Course - VIII(CC)	தொல்காப்பியம் - சொல்-சேனாவரையர் உரை	6	5	3	25	75	100	
	Elective Course -II(EC)	ஒப்பிலக்கியம்	6	4	3	25	75	100	
	TOTAL			30	24				500
III	Core Course - IX(CC)	சங்க இலக்கியம் -I எட்டுத்தொகை	6	5	3	25	75	100	
	Core Course - X(CC)	சங்க இலக்கியம் -II (பத்துப்பாட்டு)	6	5	3	25	75	100	
	Core Course - XI(CC)	ஒப்பீட்டு நோக்கில் உலகச் செம்மொழிகள்	6	5	3	25	75	100	
	Core Course - XII(CC)	தொல்காப்பியம் - பொருள்(முன்னைந்து இயல்கள்) - நச்சினார்க்கினியர் உரை	6	5	3	25	75	100	
	Elective Course -III(EC)	நாட்டுப்புறவியல்	6	4	3	25	75	100	
	TOTAL			30	24				500
IV	Core Course - XIII(CC)	இலக்கியத் கொள்கைகளும் திறனாய்வும்	5	5	3	25	75	100	
	Core Course - XIV(CC)	தொல்காப்பியம் - பொருள் (பின்னான்கு இயல்கள்) - பேராசிரியர் உரை	5	5	3	25	75	100	
	Elective Course - IV(EC)	*சைவமும் தமிழும் வைணவமும் தமிழும் இசுலாமும் தமிழும் கிறித்துவமும் தமிழும்	5	4	3	25	75	100	
	Elective Course -V(EC)	*பெண்ணியம் மொழி பெயர்ப்பியல்	5	4	3	25	75	100	
	Project		10	4				100	
	TOTAL			30	22				500
GRAND TOTAL					90				2000

*ஏதேனும் ஒரு தாள் மட்டும்

Note:

Project	: 100 Marks
Core Papers	- 14
Elective Papers	- 5
Project	- 1

Theory Internal 25 marks External 75 marks

Passing minimum

A candidate shall be declared to have passed in each course if he / she secures not less than 40% of marks in the University Examination and 40% of marks in the Internal Assessment and not less than 50% in the aggregate, taking Continuous assessment and University Examination marks together.

இக்கால இலக்கியம் I கவிதையும் நாடகமும்

அலகு 1: மரபுக்கவிதை

01. பாஞ்சாலி சபதம்
பாரதியார்
02. ஐயை (முழுவதும்)
பெருஞ்சித்திரனார்
தென்மொழி நூல்வெளியீடு விற்பனையகம், சென்னை

அலகு 2: புதுக்கவிதை

01. சொல்லிடிஸ் எல்லை இல்லை
விக்கிரமதித்தயன்
நக்கீரன் வெளியீடு, சென்னை
02. குக்கூ
மீரா
அகரம், தஞ்சாவூர், 2008

அலகு 3: நாடகம் I (கவிதை நாடகம்)

01. வீரத்தாய்
பாரதிதாசன் கவிதைகள் (தொகுதி 1)
02. நல்லமுத்துக் கதை
பாரதிதாசன் கவிதைகள் (தொகுதி 3)
பாவேந்தம் 7, இளங்கணி பதிப்பகம் (நூல் கிடைக்குமிடம்: தமிழ்மண்
பதிப்பகம்), சென்னை.

அலகு 4: நாடகம் II (உரைநடை நாடகம்)

01. தற்காலத் தமிழ் நாடகங்கள்
வெளி ரங்கராஜன் (தொகு.)
காவ்யா, சென்னை.

அலகு 5: கவிதையியல்

01. கவிதையியல்
க. பூரணச்சந்திரன்,
உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை.

இக்கால இலக்கியம் II உரைநடை, புனைகதை

அலகு 1: உரைநடை

i. நான் கண்டதும் கேட்டதும்

ii. புதியதும் பழையதும்

உ.வே.சாமிநாதையர்

உ.வே.சா. நூலகம், 2, அருண்டேல் சாலை, பெசண்ட் நகர், சென்னை.

அலகு 2: உரைநடை

தமிழ் உரைநடை வரலாறு

வி. செல்வநாயகம்

குமரன் புத்தக இல்லம், மெய்கை விநாயகர் தெரு, குமரன் காலனி, சென்னை.

அலகு 3: புனைகதை - சிறுகதை

01. உறவு - சிறுகதைத் தொகுப்பு

எம். பாண்டியராஜன்

பாவை பப்ளிகேஷன், 142, ஜானிஜான் கான் சாலை, இராயப்பேட்டை, சென்னை

02. சூடிய பூ சூடற்க

நாஞ்சில் நாடன்

தமிழினி, ராயப்பேட்டை, சென்னை.

அலகு 4: புனைகதை - புதினம்

01. நெடுங்குருதி

எஸ். இராமகிருஷ்ணன்

உயிர்மை, சென்னை

02. எரியும் பனிக்காடு

பி.எச். டேனியல் (தமிழில்: இரா. முருகவேள்)

விடியல் பதிப்பகம், கோயம்புத்தூர்

அலகு 5: நவீனத் தமிழ் இலக்கிய அறிமுகம்

நவீனத் தமிழ் இலக்கிய அறிமுகம்

ஜெயமோகன்

கிழக்குப் பதிப்பகம், 177/103, முதல்தளம், அம்பாள் பில்டிங், லாயிட்ஸ் ரோடு, இராயப்பேட்டை, சென்னை.

சிறுநிலக்கியம்

அலகு 1: சரசுவதி அந்தாதி - முழுவதும்

சகலகலாவல்லி மாலை - முழுவதும்

அலகு 2: திருவரங்கக் கலம்பகம் - முழுவதும்

அலகு 3: சேக்கிழார் பிள்ளைத்தமிழ் - முழுவதும்

அலகு 4: கும்பேசர் குறவஞ்சி - முழுவதும்

அலகு 5: அழகர் கிள்ளை விடுதாது - முழுவதும்

பாடநூல்கள்:

1. சரசுவதி அந்தாதி, சாரதா பதிப்பகம், சென்னை.
2. சகலகலாவல்லி மாலை, கழக வெளியீடு, சென்னை.
3. திருவரங்கக் கலம்பகம், முல்லை நிலையம், சென்னை.
4. சேக்கிழார் பிள்ளைத்தமிழ், கழக வெளியீடு, சென்னை.
5. கும்பேசர் குறவஞ்சி, உ.வே.சா. நூல் நிலையம், சென்னை.
6. அழகர் கிள்ளை விடுதாது, கழக வெளியீடு, சென்னை.

தொல்காப்பியம் - எழுத்ததிகாரம் - நச்சினார்க்கினியர் உரை

அலகு - 1

நூன்மரபு, மொழிமரபு

அலகு - 2

பிறப்பியல், புணரியல்

அலகு - 3

தொகை மரபு, உருபியல்

அலகு - 4

உயிர்மயங்கியல், புள்ளிமயங்கியல்

அலகு - 5

குற்றியலுகரப்புணரியல்

பாட நூல்:

தொல்காப்பியம் - எழுத்ததிகாரம் - நச்சினார்க்கினியர் உரை.

(வாய்ப்புள்ள இடங்களில் தொல்காப்பிய எழுத்ததிகாரத்தை மொழியியல் நோக்கில் அறிமுகப்படுத்த வேண்டும்)

பார்வை நூல்கள்:

1. முத்துச்சண்முகம் - இக்கால மொழியியல்
2. கு. பரமசிவம், இக்கால மொழியியல் அறிமுகம், அடையாளம், புத்தாந்தம்.
3. செ.வை. சண்முகம், எழுத்திலக்கணக் கோட்பாடு, உலகத்தமிழாராய்ச்சி நிறுவனம், சென்னை.

விருப்பப் பாடம் 1. கணினித் தமிழ்

அலகு 1 கணினியின் கட்டமைப்பும் செயல்பாடும்

கணிப்பொறியின் வரலாறும் வளர்ச்சியும் - கணினியின் வகைப்பாடு - கணினியின் கட்டமைப்பு - மையச் செயலகம் - உள்ளீடகம் - வெளியீடகம் - கணினி வன்பொருள் - துணைமை வன்பொருள் - கணினி செயல்படும் விதம் - மென்பொருள் - அமைப்பு மென்பொருள் பயன்பாட்டு மென்பொருள் - கையடக்க மென்பொருள்

அலகு 2 கணினித் தமிழ் அடிப்படையும் பயன்பாடும்

கணினியும் பயன்பாடும் - கணினியும் தமிழும் - குறியேற்றம் - எழுத்துருக்கள் - தமிழைத் தட்டச்சுச் செய்ய உதவும் மென்பொருள்கள் - தமிழ் தட்டச்சுப் பயிற்சி - தமிழில் விசைப் பலகை - எழுத்துருக்கள் - கணினி அச்சு சார்ந்த சில அடிப்படைகள் - கையடக்கக் கணினியும் திறன்பேசியும்

அலகு 3 தமிழ் மென்பொருள் வகைப்பாடும் வளர்ச்சியும்

தமிழ் மென்பொருள்கள் தோன்றி வளர்ந்த வரலாறு - தமிழ் மென்பொருள்கள் - தொகுப்பு மென்பொருள்கள் - மென்பொருள் நீட்சிகள் - தமிழில் கணினி மொழிகள் - தன்மொழியாக்கம்/இடைமுகப்பு - திறவுற்றும் கட்டற்ற மென்பொருளும் - தமிழ் மொழி ஆய்வுக்கருவிகள் - கணினித் தமிழ் ஆய்வு - கணினித் தமிழ் ஆய்வும் தமிழ் மென்பொருளும் கணினித் தமிழ் ஆய்வுத் திட்டங்கள் - கணினித் தமிழ் ஆய்வு வளர் வழி.

அலகு 4 இணையமும் தமிழ்ப் பண்பாடும்

இணையத்தின் பயன்பாடு - இணையத் தொழில்நுட்பத்தின் அடிப்படை - உலாவி - தேடுபொறி - மின்னஞ்சல் - மின் குழுக்கள் - இணையதளம் - வலைப்பூ - மின்நூலகம் - இணைய நூல்அங்காடி - மின்னூல் - ஒலிநூல் - மின்னகராதி - மின் செய்தித்தாள் - மின்னிதழ் - இணைய வானொலி, தொலைக்காட்சி - மின் அரட்டை - மின் ஆளுகை - விக்கிபீடியா - பலகைக்கணினி.

அலகு 5 இணையவழிக் கற்றலும் - கற்பித்தலும்

மின் கற்றல் - கற்றல் கற்பித்தலில் குறுவட்டு, குறுஞ்செயலி கலந்துரையாடல், இணைய நூலகம் வழி கற்றல் - தமிழ் இணையக் கல்விக்கழகம் - செம்மொழி நிறுவனப்பணி - இணையவழிக் கல்வியும் இணையதளமும் - தமிழ்வழிக் கல்வியும் இணையதளமும் - கற்பித்தலுக்கான ஒழுங்குமுறை - கணினித்தமிழ் அமைப்புகளும் செயல்பாடுகளும் - கணினித்தமிழ் விருதுகள் - கணினித்தமிழ் இதழ்கள் - கணினித்தமிழ்க் கல்வியும் பயிற்சியும்

பாடநூல்

1. இல. சுந்தரம், கணினித்தமிழ்(Tamil computing), விகடன் பிரசுரம், சென்னை, 2015.

பார்வை நூல்கள்

01. இராதா செல்லப்பன், தமிழும் கணினியும், கவிதை அமுதம் வெளியீடு, திருச்சி, 2011.
02. துரை. மணிகண்டன், தமிழ்க் கணினி இணையப் பயன்பாடுகள், கமலினி பதிப்பகம், தஞ்சாவூர், 2012.
03. பன்னிருகை வடிவேலன், தமிழ் மென்பொருள்கள், நோக்கு, சென்னை, 2014.

சமய இலக்கியம்

அலகு 1:

திருஞானசம்பந்தர்:

முதல் திருமுறை - திருப்பிரமபுரம் பதிகம் 'தோடுடைய செவியன்' முதல் 11 பாடல்கள்.

மூன்றாம் திருமுறை - திருக்கழுமலப் பதிகம் 'மண்ணில் நல்ல வண்ணம்' முதல் 11 பாடல்கள்

திருநாவுக்கரசர்:

நான்காம் திருமுறை - திருவதிகை வீரட்டானம் பதிகம், 'கூற்றாயினவாறு விலக்ககிலிர்' முதல் 10 பாடல்கள்

ஆறாம் திருமுறை - திருப்புகலூர்ப் பதிகம் 'எண்ணுகேன் என் சொல்லி எண்ணுகனோ' முதல் 10 பாடல்கள்

சுந்தரர்:

ஏழாம் திருமுறை - திருவெண்ணெய் நல்லூர்ப் பதிகம் 'பித்தா பிறைசூடி' முதல் 10 பாடல்கள்

ஏழாம் திருமுறை - திருப்பாண்டிக்கொடுமுடிப் பதிகம் 'மற்றுப்பற்றெனக்கின்றி' முதல் 10 பாடல்கள்

அலகு 2:

மாணிக்கவாசகர்:

எட்டாம் திருமுறை - ஆசைப்பத்து 'கருடக் கொடியோன்' முதல் 10 பாடல்கள்

காரைக்காலம்மையார்:

திரு இரட்டை மணிமாலை 'கிளர்ந்துந்து' முதல் 20 பாடல்கள்

அருணகிரி நாதர்

'முத்தைத் தரு' முதல் 10 பாடல்கள்

அலகு 3:

திருப்பாணாழ்வார்:

அமலனாதிபிரான் - முதல் 10 பாடல்கள்

ஆண்டாள் - திருப்பாவை - 30 பாடல்கள் (முழுவதும்)

அலகு 4

வீரமாமுனிவர்

திருக்காவலூர்க் கலம்பகம் - சமூக உல்லாசம் (16 பாடல்கள்)

கிருட்டிணப்பிள்ளை

இரட்சணிய யாத்திரிகம் - இரட்சணிய மனோகரம் 1-10 பாடல்கள்

விசுவாசக் காட்சி 1 - 10 பாடல்கள்

சதாவதானி செய்குத்தம்பிப் பாவலர் - நபிகள் நாயக மான்மிய மஞ்சரி 1-30 பாடல்கள்

அலகு 5

குணங்குடி மஸ்தான் சாகிபு பாடல்கள்

அகத்தீசர் சதகம் - தவநிலை முதல் 10 பாடல்கள்

தாயுமானவர்

எங்கு நிறைகின்ற பொருள் - அவன் அன்றி ஓரணுவும் - முதல் 11 பாடல்கள்

வள்ளலார்

முதல் திருமுறை - வேட்கை விண்ணப்பம் - 'மன்னே என்றன்' முதல் 10 பாடல்கள்

காப்பிய இலக்கியம்

அலகு 1:

சிலப்பதிகாரம் - மதுரைக் காண்டம் (13 காதைகள்)

மணிமேகலை - 1 முதல் 10 காதைகள்

அலகு 2

சீவகசிந்தாமணி - காந்தருவதத்தையார் இலம்பகம் முழுவதும்

பெருங்கதை - இலாவாண காண்டம் - யூகி போதரவு

யூகி சாக்காடு

யூகி விலாவித்தது

அலகு 3

கம்பராமாயணம் - வாலிவதைப் படலம் முழுவதும்

பெரிய புராணம் - திருநாளைப்போவார் புராணம் முழுவதும்

அலகு 4

திருவிளையாடற் புராணம் - பிட்டுக்கு மண் சுமந்த படலம்

வில்லிபாரதம் - சூது போர்ச் சருக்கம் முழுவதும்

அலகு 5

தேம்பாவணி - வளன் சனித்த படலம்

சீறாப்புராணம் - உடும்பு பேசிய படலம்

அற இலக்கியம்

- அலகு 1: திருக்குறள் - அறத்துப்பால் (1-25 அதிகாரங்கள்)
- அலகு 2: பழமொழி நானூறு - 26 முதல் 50 வரை 25 பாடல்கள்
- அலகு 3: நாலடியார் - நட்புப் பற்றிய பாடல்கள், சுற்றந்தழால் - கூடாநட்பு - நட்பாராய்தல் - நட்பின் பிழை பொறுத்தல்(40 பாடல்கள்)
- அலகு 4: திரிகடுகம் (1-20 பாடல்கள்)
நான்மணிக்கடிகை (1-20 பாடல்கள்)
- அலகு 5: இனியவை நாற்பது (40 பாடல்கள்) முழுவதும்

பாடநூல்கள்

பாடத்திட்டத்தில் காணப்படும் பதினெண்கீழ்க்கணக்கு நாற்பகுதிகள்
(மர்ரே எஸ் ராஜம் பதிப்பு - மறுஅச்சு என்.சி.பி.எச். - அடிப்படையில்)

தொல்காப்பியம் - சொல்லதிகாரம் - சேனாவரையர் உரை

அலகு 1 :

கிளவியாக்கம்

அலகு 2 :

வேற்றுமையியல், வேற்றுமைமயங்கியல், விளிமரபு

அலகு 3 :

பெயரியல், வினையியல்

அலகு 4 :

இடையியல், உரியியல்

அலகு 5 :

எச்சவியல்

பாடநூல் :

தொல்காப்பியம் - சொல்லதிகாரம் - சேனாவரையர் உரை

(வாய்ப்புள்ள இடங்களில் மொழியியல் நோக்கில் அறிமுகப்படுத்த வேண்டும்)

பார்வை நூல்கள் :

01. முத்துச்சண்முகம் - இக்கால மொழியியல்
02. கு. பரமசிவம், இக்கால மொழியியல் அறிமுகம், அடையாளம், புத்தாந்தம்.
03. செ.வை. சண்முகம், சொல்லிலக்கணக் கோட்பாடு, உலகத்தமிழாராய்ச்சி நிறுவனம், சென்னை.
04. செ.வை. சண்முகம், தொல்காப்பியத் தொடரியல், உலகத்தமிழாராய்ச்சி நிறுவனம், சென்னை.

ஒப்பிலக்கியம்

அலகு 1:

ஒப்பிலக்கியம் - சொற்பொருள் விளக்கம் - ஒப்பிலக்கியத்தின் பண்பும் பயனும் - மூவகை இலக்கியம் - (தேசிய இலக்கியம், உலக இலக்கியம், பொது இலக்கியம்) ஒப்பியலில் அறிவியல் அணுகுமுறைகள் - ஒப்பாய்வும் மொழிபெயர்ப்பும்.

அலகு 2:

தமிழில் ஒப்பிலக்கியத் தோற்றமும் வளர்ச்சியும் - பண்டைய தமிழ்ப் புலவோர், உரையாசிரியர்கள் முதலியோரின் ஒப்பிலக்கிய நோக்கு - வ.வே.சு. ஐயர், எஸ். வையாபுரிப்பிள்ளை, தனிநாயக அடிகளார், க. கைலாசபதி முதலியோரின் ஒப்பிலக்கியத் தொண்டு - அண்மைக்கால ஒப்பிலக்கிய வளர்ச்சி.

அலகு 3:

இலக்கிய வகைகள் - வகைக் கொள்கைகள் - வகை நோக்கில் இலக்கிய வளர்ச்சி - அடிக்கருத்தியல் - அடிக்கருத்தும் குறிப்பொருளும் - தொன்மம் - தொன்ம வகைகள்.

அலகு 4:

தொல்காப்பிய மெய்ப்பாட்டியலும் வடமொழி இரசக் கோட்பாடும் - கம்பனும் - வால்மீகியும் - திருக்குறளும் பிறமொழி நீதி இலக்கியங்களும் (குறிப்பாக வடமொழி, இலத்தீன், சீன அற நூல்கள்).

அலகு 5:

தமிழ் வீரயுகப் பாடல்கள் - தமிழ் முல்லைத்திணைப் பாடல்களும் கிரேக்க முல்லைப் பாடல்களும் - சங்கப் பாடல்களும் கிரேக்கத் (லிரிக்) தன்னுணர்ச்சிப் பாடல்களும் - சங்க அகப்பாடல்களும் பழஞ்சீனக் காதற்பாடல்களும் - கம்பனும் மில்டனும் - பாரதியும் ஷெல்லியும் - பாரதியும் விட்மனும் - இளங்கோவும் ஷேக்ஸ்பியரும் - ஐரோப்பியப் புதுக்கவிதைகளும் தமிழ்ப் புதுக்கவிதைகளும் - தற்காலத் தமிழிலக்கியங்களில் மேலைநாட்டுத் தாக்கம்.

பார்வை நூல்கள்

1. ஒப்பிலக்கிய அறிமுகம் - டாக்டர் தமிழண்ணல்
2. ஒப்பியல் இலக்கியம் - டாக்டர் க. கைலாசபதி
3. ஒப்பிலக்கியம் - ஓர் அறிமுகம் - டாக்டர் வை. சச்சிதானந்தம்.
4. ஒப்பிலக்கியக் கொள்கைகள் - டாக்டர் ம. திருமலை
5. ஒப்பிலக்கிய மரபும் திறனும் - டாக்டர் இரா. காஞ்சனா
6. கம்பருக்குக் கதை கொடுத்தவர் வால்மீகியா? - டாக்டர் கு. திருமேனி
7. கம்பனும் மில்டனும் - எஸ். இராமதிருஷ்ணன்
8. கம்பனும் வால்மீகியும் - நாமக்கல் கவிஞர்
9. காப்பிய காலம் - எஸ் வையாபுரிப்பிள்ளை
10. சங்க இலக்கிய ஒப்பீடு (இரண்டு பாகங்கள்) - டாக்டர் தமிழண்ணல்
11. திருக்குறள் நீதி இலக்கியம் - டாக்டர் க.த. திருநாவுக்கரசு
12. பாரதியும் கீட்சம் - பாலா
13. பாரதியும் ஷெல்லியும் - ரகுநாதன்
14. புதுக்கவிதைத் திறனாய்வு - அக்கினி புத்திரன்.

சங்க இலக்கியம் I (எட்டுத்தொகை)

அலகு 1:

நற்றிணை - பாடல் 51 முதல் 75 வரை

குறுந்தொகை - பாடல் 1 முதல் 25 வரை

அலகு 2:

அகநானூறு - மணிமிடை பவளம் - பாடல் 1- 15

அலகு 3

ஐங்குறுநூறு - மருதத்திணை 1- 20 பாடல்கள்

கலித்தொகை - முல்லைக்கலி 1- 10 பாடல்கள்

அலகு 4

பரிபாடல் - செவ்வேள் முதல் 2 பாடல்கள்

வையை - முதல் 2 பாடல்கள்

திருமால் - முதல் 2 பாடல்கள்

அலகு 5

புறநானூறு - கோவூர்கிழார் - 10 பாடல்கள்

(பாடல் எண்கள்:31,32,33,41,44,45,46,47,68,70)

பதிற்றுப்பத்து - 5ஆம் பத்து

பார்வை நூல்:

01. சாமி சிதம்பரனார், எட்டுத்தொகையும் தமிழர் பண்பாடும், அறிவுப் பதிப்பகம், சென்னை.

சங்க இலக்கியம் II (பத்துப்பாட்டு)

அலகு 1

குறிஞ்சிப்பாட்டு முழுவதும்

அலகு 2

முல்லைப்பாட்டு முழுவதும்

அலகு 3

நெடுநல்வாடை முழுவதும்

அலகு 4

சிறுபாணாற்றுப்படை முழுவதும்

அலகு 5

பட்டினப்பாலை முழுவதும்

பார்வை நூல்:

01. மா. இராசமாணிக்கனார், பத்துப்பாட்டு ஆராய்ச்சி, சென்னைப் பல்கலைக்கழகம், சென்னை.

ஒப்பீட்டு நோக்கில் உலகச் செம்மொழிகள்

அலகு 1:

உலகச் செம்மொழிகள் வரலாறு (தமிழ் சமஸ்கிருதம், இலத்தீன் கிரேக்கம், சீனம், அரேபியம் மற்றும் ஈபுரு)

அலகு 2:

உலகச் செம்மொழிகளின் இலக்கியங்கள் (தமிழ்ச் சங்க இலக்கியங்கள் முதல் காப்பியங்கள், அற இலக்கியங்கள், சமஸ்கிருதம், இலத்தீன், கிரேக்கம், சீனம், அரேபியம் மற்றும் ஈபுரு மொழிகளில் மேற்குறித்த செம்மொழி இலக்கியங்களுக்கு இணையான கால அளவிலான நூல்களின் உருவ உள்ளடக்கங்களை விரிவாக அறிமுகப்படுத்துதல்)

அலகு 3:

உலகச் செம்மொழிகளில் தொகையாக்கங்கள் - கால அடிப்படையில் உலகச் செம்மொழிகளில் தொகைப்பாடுகள் - தொகுப்பு முறைகள்.

அலகு 4:

உலகச் செம்மொழி இலக்கியப் பாடுபொருள் விழுமியங்கள் - தமிழ் - (அகம், புறம், அறநெறி, வாழ்வியல் தகைமைகள்) - சமஸ்கிருதம் - (இயற்கை, பக்தி, நீதி, வழிபாட்டு முறைகள்) - கிரேக்கம், இலத்தீன் - (வீரம், காதல், இசைப்பாடல், தன்னுணர்ச்சிப் பாடல்கள்), சீனம் - (காதல், அரசியல், தத்துவம்) - அரேபியம் - (வாய்மொழிக் கதை மரபுகள்)

அலகு 5:

ஒப்பீட்டு நோக்கில் உலகச் செம்மொழிகள் பொதுப் பண்புகள் - வாய்மொழி மரபு, தன்னுணர்வு மரபு, பதிவுறு மரபு, ஆற்றுப்படை மரபு, வீரயுகமரபு ஆகியன - தொல்காப்பியப் பொருளதிகாரமும், அரிஸ்டாட்டிலின் கவிதையியலும் காப்பிய மரபு - (ஹோமரின் இலியட், ஒடிசி, வர்ஜிலின் காப்பியங்கள்), சிலப்பதிகாரம், மணிமேகலை (தமிழ், சமஸ்கிருதம், கிரேக்கம்) - சீன கன்பூசியசு அறநெறிகளும் திருவள்ளுவரது அறநெறிகளும்.

பாட நூல்கள்:

1. ச. அகத்தியலிங்கம், சங்க இலக்கியம் செவ்வியல் இலக்கியங்களே - மணிவாசகர் பதிப்பகம் சென்னை.
2. க. கைலாசபதி, தமிழ் வீரயுகப் பாடல்கள் (கு.வெ.பா. மொழிபெயர்ப்பு), குமரன் பதிப்பகம், சென்னை
3. செண்பகம் இராமசாமி, கிரேக்க லிரிக் கவிதைகளும் சங்க இலக்கியக் கவிதைகளும், செண்பகம் பதிப்பகம், மதுரை
4. இரா. நடராசன், செம்மொழிகள், ஸ்நேகா பதிப்பகம், சென்னை.
5. அ. அ. மணவாளன், அரிஸ்டாட்டிலின் கவிதையியல், நியூ செஞ்சரி புத்தக நிறுவனம், சென்னை
6. கு. மோகனராசு, கன்பூசியசும் திருவள்ளுவரும், சென்னைப் பல்கலைக்கழக வெளியீடு.
7. மு. அருணாசலம், பா. ஜெயக்குமார், தமிழும் உலகச் செம்மொழிகளும், பாவை பப்ளிகேசன்ஸ், சென்னை.
8. பயணி (மொழிபெயர்ப்பாளர்), வாரிச்சூடினும் பார்ப்பவர் இல்லை, காலச்சுவடு, நாகர்கோயில்.
9. சோ.ந. கந்தசாமி, சீன இலக்கியம், தமிழ்ப்பல்கலைக்கழகம், தஞ்சாவூர்.
10. சோ.ந. கந்தசாமி, கிரேக்க இலக்கியம், தமிழ்ப்பல்கலைக்கழகம், தஞ்சாவூர்.
11. க.த. திருநாவுக்கரசு, திருக்குறள் - நீதி இலக்கியம், சென்னைப்பல்கலைக்கழகம், சென்னை.

தொல்காப்பியம் - பொருளதிகாரம் - நச்சினார்க்கினியர் உரை
(முன்னெந்து இயல்கள்)

அலகு 1:

அகத்திணையியல்

அலகு 2 :

புறத்திணையியல்

அலகு 3 :

களவியல்

அலகு 4 :

கற்பியல்

அலகு 5:

பொருளியல்

பாடநூல் :

தொல்காப்பியம் - பொருளதிகாரம் - நச்சினார்க்கினியர் உரை

பார்வைநூல்கள்

01. தொல்காப்பியம் தமிழிலக்கிய வரலாறு – வெள்ளைவாரணம், அண்ணாமலைப் பல்கலைக்கழக வெளியிடு.
02. தமிழ்க்காதல், வ.சுப. மாணிக்கம்.
03. கு.வெ. பாலசுப்பிரமணியன், சங்க இலக்கியத்தில் புறப்பொருள், தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர்.
04. சோ.ந. கந்தசாமி, புறத்திணை வாழ்வியல், தமிழ்ப்பல்கலைக்கழகம், தஞ்சாவூர்.

நாட்டுப்புறவியல்

அலகு 1 :

நாட்டுப்புறவியல் சொல் விளக்கம் - பொருள் வரையறை - உலக அளவில் நாட்டுப்புறவியல் வரலாறு - இந்திய நாட்டுப்புறவியல் வரலாறு - நாட்டுப்புறவியல் வளர்ச்சி முதலியன. தமிழக நாட்டுப்புறவியல் - பழந்தமிழிலக்கியங்களில் - நாட்டுப்புற வழக்காறுகளின் செல்வாக்கு - சங்க இலக்கியங்கள் - பக்தி இலக்கியங்கள் - நீதி இலக்கியங்கள் முதலியன.

அலகு 2 :

நாட்டுப்புற இலக்கியங்கள் - பாடல்கள் - கதைப்பாடல்கள் - கதைகள் - பழமொழிகள் - புதிர்கள் முதலியன. பிறப்பு முதல் இறப்பு வரையிலான வாழ்க்கை வட்டச் சடங்குகள் - சடங்குகள் பற்றிய ஆய்வின் தேவை - சகுனம், கண்ணேறு கழித்தல், உள்ளிட்ட நம்பிக்கைகள் - பழக்கவழக்கங்கள் - விளையாட்டுக்கள்.

அலகு 3 :

வழிபாடுகளும் விழாக்களும் - வழிபாட்டு வகைகள் - இயற்கை வழிபாடுகள் - ஆவி வழிபாடு - வீட்டுத் தெய்வ வழிபாடு - குல தெய்வ வழிபாடு - ஊர்த்தெய்வ விழாக்கள் - முதலியன.

அலகு 4 :

நாட்டுப்புறக்கலைகள் - விளக்கம் - வகைப்பாடு, நிகழ்த்துக்கலைகள் - ஏனைய கலைகள் - வகைப்பாடு - கலைகளும் கலைஞர்களும். நிகழ்த்து கலைகள் கதை தழுவியவை, தெருக்கூத்து, நாடகம், உடுக்கடிப்பட்டு - வில்லுப்பாட்டு - பாவைக்கூத்து - வழிபாட்டுக்கூத்துக்கள்.

அலகு 5 :

நிகழ்த்துக்கலைகள் கதை தழுவாதவை, கரகாட்டம், பொய்க்கால் குதிரையாட்டம் - மயில், காளை, புலி, கரடி, முதலிய விலங்குகளின் ஆட்டங்கள் - தேவராட்டம் - ஓயிலாட்டம் - தற்காப்புக் கலைகள் - சிலம்பு, களரி முதலியன.

பார்வை நூல்கள் :

1. ஆறு. இராமநாதன்,(பதி.)1991, நாட்டுப்புறவியல் ஆய்வு முறைகள், தமிழ்ப்பல்கலைக்கழகம்.
2. சு. சண்முகசுந்தரம், 1976, நாட்டுப்புற இலக்கியத்தின் செல்வாக்கு, இலக்கிய மாணவர் வெளியீடு, சென்னை
3. அ. மு. பரமசிவானந்தம், 1964, வாய்மொழி இலக்கியம்.
4. சரசுவதி வேணுகோபால்,நாட்டுப்புறவியல் கோட்பாட்டாய்வுகள்.
5. லூர்து. தே., 1976, நாட்டார் வழக்காற்றியல் - அறிமுகம், பாரிவேல் பதிப்பகம், பாளையங்கோட்டை.
6. ஆறு. அழகப்பன், 1973, நாட்டுப்புறப்பாடல்கள் - திறனாய்வு சைவ சித்தாந்த நாற்பதிப்புக்கழகம், சென்னை.
7. லூர்து. தே. ,1988, நாட்டார் வழக்காறுகள். மாணிக்கவாசகர் பதிப்பகம், சிதம்பரம்
8. பெருமாள், ஏ. என். கதைப்பாடல்கள், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை.

9. இராமநாதன், ஆறு. 1987, நாட்டுப்புறக்கதைக்களஞ்சியம் (தொகுதிகள்), மாணிக்கவாசகர் பதிப்பகம், சிதம்பரம்.
10. 9. இராமநாதன், ஆறு. 1987, நாட்டுப்புறப் பாடல் களஞ்சியம் (தொகுதிகள்), மாணிக்கவாசகர் பதிப்பகம், சிதம்பரம்.
11. மருததுரை, அரு. 1995, நாட்டுப்புறவாழ்வியல், அருணா வெளியீடு, முசிறி.
12. சிவசுப்ரமணியன், ஆ. மந்திரசடங்குகள், நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை.
13. இரா. பாலசுப்ரமணியன், நாட்டுப்புறவிளையாட்டுக்கள்.
14. சண்முகசுந்தரம், ஆ., நாட்டுப்புற விளையாட்டுகள்.
15. சு. சண்முகசுந்தரம், நாட்டுப்புறவியல் ஆய்வுகள், மணிவாசகர் பதிப்பக வெளியீடு.
16. சக்திவேல், சு. நாட்டுப்புறவியல் ஆய்வுகள், மணிவாசகர் பதிப்பக வெளியீடு.
17. பெருமாள், ஏ.என். 1987, நாட்டுப்புறக்கலைகள், உலகத் தமிழாராய்ச்சி நிறுவனம். வெளியீடு, சென்னை.
18. அறிவுநம்பி, அ. 1986, தமிழகத்தில் தெருக்கூத்து, அமுதன் நூலகம், காரைக்குடி.
19. நவந்தகிருஷ்ணன், கே.ஏ. குணசேகரன், 1982, கரகாட்டம், அகரம், சிவகங்கை.
20. சக்திவேல், சு., நாட்டுப்புறவியல் ஆய்வு, மணிவாசகர் பதிப்பகம். சிதம்பரம்.
21. கே.ஏ. குணசேகரன், நகர்சார் நாட்டுப்புறக் கதைப் பாடல்கள்

இலக்கியக் கொள்கைகளும் திறனாய்வும்

அலகு 1:

இலக்கியத் திறனாய்வு - திறனாய்வின் இருவகைப் பணிகள் - திறனாய்வு வகைகள் - திறனாய்வாளரின் தகுதிகள் - இலக்கியமும் வாழ்க்கையும் - இலக்கிய உணர்ச்சிகள் - இலக்கியத்தின் அடிப்படைக் கூறுகள் - உணர்ச்சி - வடிவம் - கருத்து - கற்பனை - சங்க அக, புற இலக்கியங்கள் - வீரயுகம் - வீரயுகம் மருவிய காலம் - செவ்வியற் பண்புகள் - அறம் சார் தொடர்நிலைச் செய்யுள்கள் - காப்பிய உருவாக்கம் போல்வன.

அலகு 2:

காப்பியக் கொள்கை - கதை - நிகழ்வுகள் - மாந்தர்கள் - மூலக்கதையும் கிளைக் கதைகளும் - தமிழ் நாடகங்கள் - நாடகக் கூறுகள் - கதைக் கோப்பு - முரண் - காட்சிகள் அமைப்பு முதலியன.

அலகு 3:

பக்தி இலக்கியம் - நாயன்மார்கள் - ஆழ்வார்கள் - பக்தி இலக்கியப் பாடுபொருள்கள் - பக்தி இலக்கியக் கோட்பாடுகள் - வடிவங்கள் - திருப்பள்ளியெழுச்சி - பாவை - தாண்டகம் - திருச்சாழல் - அந்தாதி - பதிகம் போல்வன.

அலகு 4:

புனைகதைகள் (நாவலும் சிறுகதையும்) - இவற்றின் தோற்றத்திற்கான சமூகச் சூழல்கள் கதைப்பின்னல் வகைகள் - பாத்திரப்படைப்பு - பாத்திரப்பேச்சு - பின்னணியும் சூழலும் - எடுத்துரை உத்திகள் - நோக்குநிலை - புனைகதைப் படைப்பில் புதுமை உத்திகள் - நாடகத்திற்கும் நாவலுக்கும் உள்ள வேறுபாடுகள்

அலகு 5:

மரபுக்கவிதைகள் - புதுக்கவிதையின் வடிவங்கள் - படிமம், குறியீடு போன்ற உத்திகள் - தொன்ம ஆட்சி - பல்வேறு இலக்கிய இயக்கங்களின் பாதிப்புகள் - கவிதையும் உரைநடையும் - உரைநடையின் வகைகள் - உரைநடையின் அணிநலன்கள்.

பார்வை நூல்கள்:

1. தமிழில் காப்பியக் கொள்கை - து. சீனிச்சாமி
2. இலக்கியத் திறனாய்வியல் - தா.ஏ. ஞானமூர்த்தி.
3. நாவல் இலக்கியம் - மா. இராமலிங்கம்
4. புதிய உரைநடை - மா. இராமலிங்கம்
5. இலக்கியக் கொள்கைகள் - உலகத் தமிழராய்ச்சி நிறுவன வெளியீடுகள்
6. பக்தி இலக்கியம் - ப. அருணாசலம்
7. காப்பியத் தமிழ் - இரா. காசிராசன்
8. உலகக் காப்பியங்கள் - இரா. காசிராசன்
9. புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும் - வல்லிக்கண்ணன்
10. இலக்கியத் திறனாய்வு - சு. பாலச்சந்திரன்
11. கதையியல் - க. பூரணச்சந்திரன்
12. கவிதையியல் - க. பூரணச்சந்திரன்
13. இலக்கிய ஆயிரம் - எம்.ஜி. சுரேஷ்
14. இலக்கிய இலக்கங்கள் - இ.எஸ்.டி.
15. தமிழ் வீரயுகப் பாடல்கள் - க. கைலாசபதி

தொல்காப்பியம் - பொருளதிகாரம்
(பின்னான்கு இயல்கள் - பேராசிரியர் உரை)

அலகு 1 :

மெய்பாட்டியல்

அலகு 2 :

உவமவியல்

அலகு 3 :

செய்யுளியல் (சூத்திரம் 1 – 119 முடிய 'கட்டுரை வகையான்...' என்பது முடிய)

அலகு 4 :

செய்யுளியல் (சூத்திரம் 120 – 235 முடிய 'அங்கதந்தானே... என்பது முதல்
'செய்யுள் மருங்கின்... என்பது முடிய)

அலகு 5 :

மரபியல்

பாடநூல் :

தொல்காப்பியம் - பொருளதிகாரம் - பேராசிரியர் உரை

பார்வை நூல்கள் :

01. தொல்காப்பியம் தமிழிலக்கிய வரலாறு – வெள்ளைவாரணம், அண்ணாமலைப் பல்கலைக்கழக வெளியீடு.
02. சோ.ந. கந்தசாமி, தமிழ் யாப்பியலின் தோற்றமும் வளர்ச்சியும் தொகுதி 1,2 – தமிழ்ப்பல்கலைக்கழக வெளியீடு, தஞ்சாவூர்.

சைவமும் தமிழும்

அலகு 1

இந்தியச் சமயங்கள் - தமிழகச் சமயங்கள் - சைவம் - தோற்றம் - உட்பிரிவுகள் - சிவ வழிபாடு - தொன்மை - காலம்தோறும் சிவழிபாட்டின் வளர்ச்சி - சங்க காலம் முதல் - இக்காலம் வரை.

அலகு 2

சிவன் சொற்பொருள் விளக்கம் - சிவ வடிவங்கள் - சிவத்தலங்கள் - சிவ தத்துவங்கள் - சிவ விரதங்கள் - சிவபுராணங்கள் - சிவனடியார்கள் - சிவசின்னங்கள் - சிவவழிபாட்டுமுறைகள்.

அலகு 3

அருளாளர்களும் படைப்புகளும் - திருஞானசம்பந்தர் திருநாவுக்கரசர் - சுந்தரர் - மணிவாசகர் - காரைக்காலம்மையார் - திருமூலர் - நக்கீரர் - சேக்கிழார் - பரஞ்சோதியார் - தாயுமானவர் - குமரகுருபரர் - சிவப்பிரகாசர் - வள்ளலார்.

அலகு 4

சாத்திரமும் ஆசாரியர்களும் - மெய்க்கண்டார் - அருணந்தி சிவாசாரியார் - மறைஞான சம்பந்தர் - உமாபதி சிவாசாரியார் - சைவ சமயக் கொள்கைகள் - பதிக் கொள்கை - பசுக் கொள்கை - பாசக் கொள்கை - சிவசக்தித் தொடர்பு - ஆன்மா.

அலகு 5

சைவ சமயப் பணிகள் - சைவத் திருமடங்கள் - சைவ சமய நூலாசிரியர்கள் - சைவ சமயமாநாடுகள் - கருத்தரங்குகள் - சைவசமய வெளியீடுகள் - சமய இதழ்கள் - திருவிழாக்கள் - பண்டிகைகள் - சைவ சமய ஆய்வுகள்.

பார்வை நூல்கள்

1. பேராசிரியர் வெள்ளை வாரணனார் - பன்னிரு திருமுறை வரலாறு I & II அண்ணாமலைப் பல்கலைக்கழகம், அண்ணாமலை நகர்.
2. சைவ சமயம் - மு. அருணாசலம், காந்தி வித்தியாலயம், திருச்சிற்றம்பலம்
3. சைவசமயத் தோற்றமும் வளர்ச்சியும் - டாக்டர் டி.பி. சித்தலிங்கையா குருகுலம், வேதாரண்யம்.
4. சைவ ஆதினங்கள் - ஊரன் அடிகள்
5. சைவ சமயம் வரலாற்றுப் பார்வை - தருமையாதின வெளியீடு, 2002.
6. சைவ சமயம் - மா. இராசமாணிக்கனார் செல்வி பதிப்பகம், காரைக்குடி.
7. தமிழர் சமயம் - ந.சி. கந்தையா, அமிழ்தம் பதிப்பகம், சென்னை.
8. சைவ சமயம் - திரு.வி.க. மணிவாசகர் பதிப்பகம், சென்னை - 108
9. சைவத்தமிழ் இலக்கிய வரலாறு - ஓளவை சு. துரைசாமிப்பிள்ளை, அண்ணாமலைப் பல்கலைக்கழகம் வெளியீடு.
10. சைவசமய வரலாறும் பன்னிரு திருமுறை வரலாறும் - வைத்தியநாதன், திருவாவடுதுறை ஆதின வெளியீடு, திருவாவடுதுறை.
11. திருத்தலங்களும் விரதங்களும் - சிவ. திருச்சிற்றம்பலம் இராஜேசுவரி புத்தக நிலையம், சென்னை.
12. சைவத்தமிழ் - மா.சா. அறிவுடை நம்பி, கருமணிப் பதிப்பகம், மதுரை.

வைணவமும் தமிழும்

அலகு 1

வரலாற்று முறையில் வைணவம் - ஆறு வழிபாட்டு மரபுகள் - வைணவ வேதங்கள் - உபநிடதங்கள் - கல்வெட்டுகள் - இதிகாசங்களில் மகாபாரதம் - பகவத்கீதை - இராமாயணம் - புராணங்கள் போன்றன.

அலகு 2

பண்டைய நூல்களில் திருமால் வழிபாடு - தொல்காப்பியம் -பத்துப்பாட்டு - கலித்தொகை - அகநானூறும் புறநானூறும் - நற்றிணை - பதிற்றுப்பத்து - பதினெண் கீழ்க்கணக்கு - திருக்குறள் - நாலடியார் - நான்மணிக்கடிகை முதலியன.

அலகு 3

வைணவ தத்துவங்கள் - தத்துவங்கள் - இதம் - புருார்த்தம் - சித்துவிளக்கம் - ஆன்மா வகைகள் - அசித்து விளக்கம் - சுத்த தத்துவம் - மிச்சத்துவம் - அண்டங்கள் - சத்துவ சூனியம் - ஈசுவரன் விளக்கம் - இறைவனுடைய திருமேனிகள் - ஐந்து நிலைகளின் விளக்கம் - எட்டு அங்கங்கள் முதலியன.

அலகு 4

வைணவ மந்திரங்கள் - திருமந்திரம் - திருமந்திரம் தோன்றிய வரலாறு - திருமந்திரத்தின் பெருமை - பதப்பிரிவு எழுத்துக்கள் - பிரணவத்தின் விளக்கம் - துவயம் - துவயத்தின் பொருள் - ஸ்ரீ என்பதன் பொருள் - நாராயணபதத்தின் பொருள் போன்றன.

அலகு 5

வைணவ இலக்கியங்கள் - நாலாயிரத் திவ்வியப் பிரபந்தம் - திவ்வியப் பிரபந்தங்கள் - திருவாய்மொழியின் சிறப்பு - பிரபந்தம் தொகுக்கப் பெற்ற வரலாறு - ஸ்ரீவைணவக் குரவர்கள் - ஆழ்வார்கள் 12 - ஆசாரியார்கள் - அடியார்கள் முதலியன.

பார்வை நூல்கள்:

1. முனைவர் ந.சுப்புரெட்டியார், வைணவச் செல்வம், தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர்.
2. முனைவர் ந.சுப்புரெட்டியார், வைணவமும் தமிழும், கழகப் பதிப்பு - 2008.
3. முனைவர் ப.அருணாசலம், வைணவ சமயம், முல்லை நிலையம் - 2002.
4. சுவீரா ஜெயஸ்வால், வைணவத்தின் தோற்றமும் வளர்ச்சியும், என்.சி.பி.எச்., சென்னை.

இசுலாமும் தமிழும்

அலகு.1 ஐம்பெரும் கடமைகள்

கலிமா - தொழுகை - நோன்பு - ஜக்காத் - ஹஜ் இஸ்லாம் தோற்றப் பின்புலம் - இசுலாமிய அடிப்படைக் கொள்கைகள் - திருக்குர்ஆன் - நபிமொழி.

அலகு.2 இசுலாமிய வாழ்க்கை நடைமுறைகள்

இசுலாமிய ஒழுக்கம் - பழக்க வழக்கங்கள் - நேர்ச்சை - நம்பிக்கைகள் - சகுனம் - சடங்குகள் - சட்டங்கள் - திருக்குர்ஆன் கூறும் ஏவல் விலக்கல்கள்.

அலகு.3 இசுலாமியக் காப்பியங்கள்

சீறாப்புராணம் - இராஜ நாயகம் - குத்பு நாயகம் - கனகாபிஷேக மாலை இன்னும் பிற.

அலகு.4 இஸ்லாமியச் சிற்றிலக்கியங்களும் மெய்ஞ்ஞான இலக்கியங்களும்

படைப்போர் - முனாஜாத்து - கிஸ்ஸா - மஸ்அலா - நாமா இன்னும் பிற., குணங்கு மஸ்தான் சாகிபு - தக்கலை பீர்முகம்மது - தென்காசி ரசூல் பீவி கீழக்கரை ஆசியா உம்மா - செய்குத்தம்பி பாவலர்.

அலகு.5 தற்கால இஸ்லாமிய இலக்கியங்கள்

புதினம் - சிறுகதை - புதுக்கவிதை - நாடகம் - உரைநடை.

பார்வை நூல்கள்

1. குர்ஆன் மஜீத் மூலமும், தமிழ் உரையும்.
2. அல்ஹாஜ் குலாம் ரசூல் - நபி மொழிகள்.
3. எஸ்.எச். எம் இஸ்மாயில் ஸலபி - இஸ்லாமிய ஒழுக்கவியல்.
4. 'அஷ்ஷெய்க் முஹம்மது ஆபுபக்கா சித்திக் - நோன்பு ஓர் அரிய வாய்ப்பு
5. எச் .:பரீதுல் .:பர்ஸானா - நேர்ச்சை.
6. முனைவர் மு. சாயுபு மரைக்காயர் - இஸ்லாம் வளர்த்த தமிழ்.
7. முகம்மது உவைஸ் - இஸ்லாமும் இன்பத்தமிழும்.
8. முகம்மது உவைஸ் -இஸ்லாமியத் தமிழ் இலக்கிய வரலாற்றுத் தொகுதிகள் 1,2,3
9. ஜெ.ஆர். லெட்சுமி - இஸ்லாமியச் சிற்றிலக்கியங்கள்
10. ஜமால் முகமது கல்லூரி வெளியீடு - தமிழ் இஸ்லாமியப் புனைகதைகள்.
11. பேரா. மு. ஹம்ஸா - இஸ்லாமியத் தமிழ்ச் சிறுகதைகள்.
12. Rev. Ed Ward Sell - The Faith of ISLAM.

கிறித்தவமும் தமிழும்

அலகு 1:

தமிழகத்தில் மேலைநாட்டார் வருகையும் கிறித்துவ சமயத் தோற்றமும் - மேலை நாட்டுக் கிறித்துவர்களின் தமிழ்த்தொண்டு - தமிழக கிறித்தவர்களின் தமிழ்ப்பணி - கிறித்தவரல்லாதோரின் கிறித்துவப் பணி - கல்விப் பணியும் பிற பணிகளும்.

அலகு 2:

கிறித்தவக் காப்பியங்கள் - தனித்தன்மைகள் - இலக்கியச் சிறப்புகள் சமயச் சிந்தனைகள் -தேம்பாவணி - இரட்சணிய யாத்திரீகம்

அலகு 3:

கிறித்தவச் சிற்றிலக்கியங்கள் - சிற்றிலக்கிய வடிவங்களும் உள்ளடக்கமும் சிறப்புக் கூறுகள் - சமயச் செய்திகள் - கித்தேரி அம்மான் அம்மாளை - திருக்காவலூர் கலம்பகம் - ஜெபமாலை - பெதலகேம் குறவஞ்சி - சாஸ்திரக்கும்மி - அன்னை வேளாங்கண்ணி பிள்ளைத்தமிழ் - கல்வாரி காவலன் உலா - தேவமாதா அந்தாதி - இவற்றில் காணும் தனித்தன்மைகளும் சிறப்புகளும்

அலகு 4:

கிறித்தவ சமயம் சார்ந்த புதினங்கள், சிறுகதைகள், நாடகங்கள் - அவற்றில் இடம்பெற்றுள்ள கிறித்தவ சமயச் சிந்தனைகள், சமூகச் சிந்தனைகள், இலக்கியத் தன்மைகள்

அலகு 5:

கிறித்தவ கவிதைகள் - புதுக்கவிதைகள் - கீர்த்தனைகள் - புத்தெழுச்சிப் பாடல்கள் - நாட்டுப்புறப்பாடல்கள் - இலக்கியக் கட்டுரைகள் - ஆகியவற்றில் அமைந்துள்ள சமயக் கருத்துக்கூறும் இலக்கியக் கூறும்

பாடநூல்:

01. கிறித்தவ இலக்கிய வரலாறு- இர. ஆரோக்கியசாமி, பூரண ரீத்தா பதிப்பகம், தஞ்சாவூர்.

பார்வை நூல்கள்:

1. ப.ச. ஏசுதாசன், கிறித்தவ இலக்கியக் கட்டுரைகள் - முதல் தொகுதி, சுதா பதிப்பகம், திருச்சி.
2. சூ. இன்னாசி, கிறித்தவத் தமிழ்க்கொடை, தொகுதி 1,2, மணிவாசகர் பதிப்பகம், சென்னை.
3. டேவிட் சித்தையா, நாவல் வளர்ச்சி, கிறிஸ்துவ இலக்கியம், மணிவாசகர் பதிப்பகம், சென்னை.
4. மயிலை சீனி. வேங்கடசாமி, கிறித்தவமும் தமிழும், சாரதா பதிப்பகம், சென்னை.
5. பால் சந்திரமோகன்(பதி.), ஏதேனிலிருந்து கல்வாரி வரை
6. பால் சந்திரமோகன்(பதி.), மந்தையில் சேர்ந்த ஆடுகள்

பெண்ணியம்

அலகு 1:

பெண்ணிய விளக்கம் - மேலை நாடுகளில் பெண்ணியம் - பெண்களுக்கு வாக்குரிமை - பெண் விடுதலை இயக்கம்

அலகு 2:

பெண்ணியக் கோட்பாடுகள் - பெண்ணடிமையின் காரணங்கள், பெண்கள் முன்னேற்ற வழிகள் - மிதவாதப் பெண்ணியம் - மார்க்சியப் பெண்ணியம் - சோஷலிசப் பெண்ணியம் - தீவிரவாதப் பெண்ணியம் - ஆன்மீகப் பெண்ணியம் - கலாச்சாரப் பெண்ணியம் - கிறித்துவப் பெண்ணியம் - இந்தியப் பெண்ணியம் - பெரியார் பெண்ணியம்.

அலகு 3:

பெண்ணியம் - இந்தியாவில் தோற்றமும் வளர்ச்சியும் - காலந்தோறும் பெண்மை - பெண்களும் சட்டங்களும் - பெண்களும் அரசுத் திட்டங்களும் - மகளிர் அமைப்புகள்.

அலகு 4:

தமிழிலக்கிய நோக்கில் பெண்கள் - மரபு இலக்கியத்தில் பெண்கள் - பாரதி படைப்புகளில் பெண்ணியம் - பெண் சிறுகதை ஆசிரியர்கள் - பெண் நாவலாசிரியர் - பெண் புதுக் கவிஞர்கள் - மகளிர் இதழ்கள்.

அலகு 5:

இலக்கியமும் மகளிர் மேம்பாடும் - பெண்ணியப் படைப்புகளில் விமர்சனப் பார்வை - பின் நவீனத்துவப் பார்வையில் பெண்ணியம்.

பார்வை நூல்கள்:

1. முத்துச்சிதம்பரம், பெண்ணியம் தோற்றமும் வளர்ச்சியும், தமிழ்ப் புத்தகாலயம், சென்னை, 1997.
2. பிரேமா, பெண் மரபிலும் இலக்கியத்திலும், தமிழ்ப் புத்தகாலயம், சென்னை, 2001.
3. பிரேமா, பெண்ணியம், தமிழ்ப் புத்தகாலயம், சென்னை, 2000
4. ராஜம் கிருஷ்ணன், காலந்தோறும் பெண், தாகம், சென்னை, 2002.
5. குமாரசாமி, பெண்ணிய நோக்கில் பாரதி, தமிழ்ப் புத்தகாலயம், சென்னை, 2001.
6. மங்கையர்க்கரசி, இலக்கிய இயக்கங்கள், நியூ செஞ்சுரி புக் ஹவுஸ், 2004.
7. சா. வளவன், பெண் படைப்பாளர் தம் படைப்புகள், திருமலை தெய்வம் ஆர்ட் பிரிண்டர்ஸ், சென்னை-29.
8. செ. கணேசலிங்கன், பெண்ணியப் பார்வையில் திருக்குறள், குமரன் பப்ளிஷாஸ், சென்னை -26
9. வீ. அரசு, பெண்ணியமும் பாரதியும், அலைகள் வெளியீட்டகம், சென்னை-24
10. சு. சிவகாமசுந்தரி, தமிழகப் பெண்கள் வாழ்வும் வளர்ச்சியும், அன்பு வடிவு, வெளியீட்டகம், தஞ்சாவூர்.
11. ஹரி. விஜயலட்சுமி, ராஜம் கிருஷ்ணன் புதினங்களில் பெண் மாந்தர், என்னெஸ் பப்ளிகேஷன்ஸ், உடுமலைப்பேட்டை.
12. தாயம்மாள் அறவாணன், பெண் இன்று நேற்று அன்று, பச்சைப்பச்சை பதிப்பகம், புதுச்சேரி.
13. ர. விஜயலட்சுமி, தமிழக மகளிர் (தொடக்ககால முதல் ஆறாம் நூற்றாண்டு வரை), சந்தியா பதிப்பகம், சென்னை.

மொழி பெயர்ப்பியல்

அலகு 1

மொழிபெயர்ப்பினைப் பற்றிய பல்வகை விளக்கங்கள் - மூலமொழி, இலக்குமொழி பற்றிய கண்ணோட்டம், மொழிபெயர்ப்பின் தன்மை - தகவல்கள் வெளியிடும் தன்மை - மொழிபெயர்ப்பின் நோக்கம் - பயன் - இன்றியமையாமை - உலக அரங்கில் மொழிபெயர்ப்பின் இன்றைய முக்கியத்துவம் - மொழிபெயர்ப்பின் தோற்றமும் வளர்ச்சியும் - மேலைநாட்டு மொழிகளில் மொழிபெயர்ப்பு முயற்சிகள் - தமிழ்நாட்டில் மொழிபெயர்ப்பு - விவிலிய நூல் மொழிபெயர்ப்பு - குறிப்பிடத்தகுந்த மொழி பெயர்ப்பாளர்கள்.

அலகு 2

மொழிபெயர்ப்பு வகைகள் - சொல் நேர் மொழிபெயர்ப்பு - விரிவான மொழிபெயர்ப்பு, முழுமையான அல்லது சரிநிலை மொழிபெயர்ப்பு - பகுதிநிலை மொழிபெயர்ப்பு - நம்பகநிலை மொழிபெயர்ப்பு - சுருக்கம் - தழுவல் - மொழியாக்கம்.

அலகு 3

மொழிபெயர்ப்பாளர் தகுதிகள் - இருமொழி, பன்மொழி அறிவின் இன்றியமையாமை - இலக்கு மொழி அறிவின் கூறுகளும் மரபுகளும், பண்பாட்டுத் தாக்கம், மொழிகளைப் பற்றிய அறிவு - பிற்துறைகளில் ஆழ்ந்த பயிற்சியும் புலமையும் - மூல நூலாசிரியருக்கு ஒத்த திறன் - மூல நூலின் தோய்வு - படைப்பு மனம் - அறிவியல் பார்வை.

அலகு 4

மொழிபெயர்ப்பின் அடிப்படைகள் - மொழிபெயர்ப்புக் கொள்கைகள் - நிகரன் கொள்கை (Theory of Equivalence) இயங்குநிலை நிகரன்கள் (Dynamic Equivalence) சூழல்கள் ஒத்தமைவு (Contextual consistency) இவற்றின் விளக்கங்கள் மொழி பெயர்ப்பின் பொதுவான சிக்கல்கள். சிக்கல்களுக்கான காரணிகள் - தமிழ் மொழிக்கே உரிய சிக்கல்கள் - சொல்லும் பொருளும் - மரபுச் சொற்கள் - வழக்குச் சொற்கள் - உறவுமுறைச் சொற்கள் - பொருள்கோள் குறிப்புப் பொருள் - பழமொழிகள்.

அலகு 5

படைப்பிலக்கியங்களை மொழிபெயர்க்கும் முறை - கவிமொழிபெயர்ப்பு - சில தமிழ் ஆங்கில மொழிபெயர்ப்புகளை ஒப்புநோக்கல் - புனைகதை மொழிபெயர்ப்பு - அறிவியல் தொழில்நுட்ப இலக்கியங்களை மொழி பெயர்க்கும் முறை, ஆட்சி ஆவணங்களை மொழிபெயர்த்தல்.

பார்வை நூல்கள்:

01. சு. சண்முகவேலாயுதம், மொழிபெயர்ப்பியல், உலகத்தமிழாராய்ச்சி நிறுவனம், சென்னை.
02. சி. சிவசண்முகம், வே. தயாளன், மொழிபெயர்ப்பியல், அன்னம், சிவகங்கை.
03. சேதுமணி பணியன், மொழிபெயர்ப்பியல் கோட்பாடுகளும் உத்திகளும், செண்பகம் வெளியீடு, மதுரை.
04. செ. இராஜேஸ்வரி, மொழிபெயர்ப்பியல் ஆய்வு, , நெல்லையா பதிப்பகம், மதுரை.
05. வை. சச்சிதானந்தன், 'ஒப்பிலக்கியம் ஓர் அறிமுகம்' மொழிபெயர்ப்புப் பற்றி இடம் பெற்றுள்ள கட்டுரைகள் மட்டும் - ஆக்ஸ்போர்டு யுனிவர்சிட்டி பிரஸ்.
06. கா. சிவத்தம்பி, இலக்கியமும் கருத்துநிலையும், மொழிபெயர்ப்புப் பற்றிய கட்டுரை மட்டும், தமிழ்ப்புத்தகாலயம், சென்னை.
07. முனைவர் வளர்மதி, 'மொழிபெயர்ப்புக்கலை' (உலகத் தமிழ் ஆராய்ச்சி சிறுவனம்), திருமகள் புத்தக நிலையம், சென்னை.
08. A. Nida, The Theory and Practice of Translation.
09. A. Nida, Towards A Science of Translation.
10. Theodore Savory, The Art of Translation.
11. Peter New Mark 'Approaches to Translation.'



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI – 620 024.

M.Phil. TAMIL (FT/PT) PROGRAMME

(For the candidates to be admitted from the academic year 2018-19 onwards)

ELIGIBILITY : முதுகலைத்தமிழ் பயின்றவர்கள்

PROGRAMME OBJECTIVES :

நோக்கங்கள் :

1. ஆய்வு அறிவைப் புகட்டுதல்.
2. ஆய்வு செல்நெறியை உணர்த்துதல்.
3. தமிழ் ஆய்வாளர்களை அறிமுகப்படுத்துதல்.
4. தெளிவான ஆய்வேட்டை உருவாக்குதல்.
5. ஆய்வு அணுகுமுறைகளைப்பிரிய வைத்தல்.
6. தரமான ஆய்வினை நிகழ்த்த வழிகாட்டல்.
7. சமூகப்பயன்பாடு, இலக்கிய, இலக்கண அறிவைத்தெளிவித்தல்.
8. கற்றல், கற்பித்தல் அறிவை மேலும் பெறுதல்.

PROGRAMME STRUCTURE

Seme ster	Course	Title of the Paper	Exam Hours	Credits	Marks		
					IA	UE	Total
I	Course I	ஆராய்ச்சி நெறிமுறைகள்	3	4	25	75	100
	Course II	தமிழாய்வு வரலாறும் வளர்ச்சியும்	3	4	25	75	100
	Course III	கற்பித்தல், கற்றல் திறன்கள் (Common Paper)	3	4	25	75	100
	Course IV	Paper on Topic of Research (The syllabus will be prepared by the Guide and the examination will be conducted by the COE)	3	4	25	75	100
II	Dissertation & Viva-Voce	Dissertation 150 Marks Viva 50 Marks	---	8	---	---	200
	Total			24	---	---	600

PROGRAMME OUTCOMES :

பயன்கள் :

1. ஆய்வு மேம்பாடு அடைவர்.
2. பிழைகளற்ற ஆய்வேட்டினை உருவாக்குதல்.
3. பேச்சு, எழுத்து, ஆய்வு என அனைத்திலும் முன்னுரிமை பெறுவர்.
4. தெளிவான தமிழ் ஆய்வு நடை அறிவை உணர்வர்
5. ஆய்வு நெறிமுறைகள், ஆய்வு வளர்ச்சிகள் குறித்து மேலும் அறிவர்.
6. சிறப்பான தமிழ் ஆய்வாளர் என்ற நற்பெயர் அடைவர்.
7. ஆய்விற்கான தகவல்களைத் திரட்டி முனைவர் பட்டம் பெற மேன்மேலும் முயன்று சிறப்புவர்.
8. தன்னம்பிக்கை, விடாமுயற்சி கொள்வர்.

தாள் 1 ஆராய்ச்சி நெறிமுறைகள்

நோக்கங்கள் :

1. ஆய்வு குறித்து அறிமுகம் செய்தல் .
2. ஆய்வு நெறிமுறைகளை உணர்த்துதல்.
3. ஆய்வேட்டின் கட்டமைப்பினை வடிவமைத்தல் .

அலகு 1

ஆய்வு : ஆய்வு - சொல் - மூலம் - சொற்பொருள் - தமிழ் இலக்கியங்களின் வழி ஆய்வு விளக்கம் - உரையாசிரியர்களின் ஆய்வு முறைகள் - ஆய்வுப்பயன் - ஆய்வு நோக்கம் - ஆய்வுப்பொருளைத் தெரிதல் - ஆய்வுத் தலைப்பை இனங்காணுதல் - ஆய்வைப் பகுத்துரைத்தல் - ஆய்வாளர் தகுதிகள் - ஆய்வு மொழிநடை

அலகு 2

ஆய்வுச்சிக்கல், கருதுகோள் : ஆய்வுப்பொருள் சிக்கல் - சிக்கல் வகைகள் - ஆய்வுச் சிக்கலை இனங்காணுதலும் பகுத்துணர்தலும் - ஆய்வுச் சிக்கலின் தகவல் அறிதலும் உறுதிப்பாடும் - சிக்கலை மையமிட்ட தலைப்புத் தெரிவு - கருதுகோள் - கருதுகோளின் தேவை - கருதுகோளின் வகைகள் - எளிய கருதுகோள் - மாற்றுக் கருதுகோள் - பயனில் கருதுகோள் - எதிர்மறைக் கருதுகோள்.

அலகு 3

கள ஆய்வுகள், தரவுதிரட்டல் : கள ஆய்வியல் : களப்பணி - விளக்கம் - களப்பணியின் தேவை - திட்டமிடல் - கருவிகள் - காலம் - சேகரிக்கும் இடம், சூழல் - தகவலாளி அணுகுமுறை - நேர்காணல், வினா நிரல், வாய்மொழி மரபுச் செய்திகள், தகவல்கள் திரட்டுதல் - வகைப்பாடு, தரவு திரட்டல் - நூலகப் பயன்பாடு - நோக்கு நூல் பயன்பாடு - தரவுகளைச் சேகரிப்பதில் கணினியின் பங்கு, தமிழ் ஆய்வில் இணையத்தின் பயன்பாடு - தமிழ் ஆய்வு மின்னிதழ்கள் - இணைய நூலகப் பயன்பாடு - கணினி செயலிகள் (Apps).

அலகு 4

ஆய்வு முறைகள், அணுகுமுறைகள் : ஆய்வு முறைகள் : தனிநிலை ஆய்வு முறை (Case Study Method), பயன்பாட்டு ஆய்வு முறை (Applied Research), ஒரு துறைசார் ஆய்வு (Monodisciplinary Research), பலதுறைசார் ஆய்வு (Interdisciplinary Research), விதியுணர் முறை (Normative Method), உய்த்துணர் முறை (Deductive Method), பகுப்பு முறை ஆய்வு (Analytical Research), தொகுப்பு முறை ஆய்வு (Synthetic Research), தருக்க முறை ஆய்வு (Logical Method), அளவீட்டு முறை ஆய்வு (Survey Method), புள்ளியியல் ஆய்வு (Statistical Method), வரலாற்று ஆய்வு முறை (Historical Method), ஒப்பியல் ஆய்வு (Comparative Method), விளக்க முறை ஆய்வு (Descriptive Method), கள ஆய்வு முறை (Field Method) - ஆய்வு அணுகுமுறைகள் - சமூகவியல் அணுகுமுறை (Sociological Approach), உளவியல் அணுகுமுறை (Psychological Approach), அமைப்பியல் அணுகுமுறை (Systems Approach), வடிவவியல் அணுகுமுறை (Formalistic Approach) - நவீனத்துவம் - பின்நவீனத்துவம் அணுகுமுறைகள் (Modernism, Post - Modernism).

அலகு 5

ஆய்வேட்டின் கட்டமைப்பு : ஆய்வுப்பொருள் அமைப்பும் இயல் பாகுபாடும் - இயல் அமைப்பு - இயல்களின் வைப்பு முறை - ஆய்வு அறிமுகம் - முடிவுகளை வழங்குதல் - நடைச்செய்மை - பிறன்கோட் கூறல் - உடன்படல் - மறுத்தல் - மேற்கோள் காட்டும் முறைமை - ஆய்வு நாகரிகம் - அடிக்குறிப்பு - குறியீட்டு விளக்கம் - பின்னிணைப்புகள் - மூலநூற் பட்டியல் - மேற்கோள் நூற்பட்டியல் - ஆய்வேட்டு வடிவமைப்பில் கணினியின் பயன்பாடு - பிழைதிருத்தம்.

பார்வை நூல்கள்:

1. ஆய்வியல் அறிமுகம் - தமிழண்ணல், இலக்குமணன், எம்.எஸ், - மீனாட்சி புத்தக நிலையம், மதுரை - 1977.
2. ஆய்வுக்கட்டுரை எழுதும்முறை - முத்துச்சண்முகம், வேங்கடராமன், சு., - சர்வோதயா இலக்கியப்பண்ணை, மதுரை.
3. ஆய்வியல் நெறிமுறைகள் - கு.வெ. பாலசுப்ரமணியன், உமா நூல் வெளியீட்டகம், தஞ்சாவூர், 2001.
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5. நாட்டார் வழக்காற்றியல், கள ஆய்வு - தே. லூர்து, பாரிவேள் பதிப்பகம், பாளையங்கோட்டை.
6. தமிழில் கணிப்பொறியியல் - ச. பாஸ்கரன், உமா பதிப்பகம், தஞ்சாவூர்.
7. கணிப்பொறி ஓர் அறிமுகம் - இராம்குமார், சைவசித்தாந்த நூற்பதிப்புக் கழகம், சென்னை.
8. ஆய்வியல் கோட்பாடுகளும் செயல்முறைகளும் - எஸ்.என். கணேசன், டயோனிசியஸ் புக் சர்வீசஸ், சென்னை.
9. வீட்டுக்குள் வரும் உலகம் - சுஜாதா, டிநெட் லிமிடெட், சென்னை.
10. இணையமும் இனியதமிழும் - க. துரையாசன், இசைப்பதிப்பகம், சும்பகோணம்.

கற்றலின் பயன்கள்(Outcome) :

1. ஆய்வு அறிதிறன் பெறுவர்.
2. ஆய்வு அணுகுமுறைகளை அறிந்து கொள்வர்.
3. ஆய்வுச் சிக்கல்களை இனம் காண்பர்.
4. கருதுகோள் வகைமைகளை அறிவர்.
5. தரவு சேகரித்தலின் நுட்பத்தை உணர்வர்.
6. ஆய்வின் நவீனத்தொழில்நுட்பத்தின் பயன்பாட்டை அறிவர்.
7. ஆய்வேட்டைக் கட்டமைக்கும் திறன் பெறுவர்.
8. ஆய்வுத்தருக்க நெறிமுறைகளை உணர்வர்.

தாள் 2 தமிழாய்வு வரலாறும் வளர்ச்சியும்

நோக்கங்கள்:

1. தமிழில் ஆய்வு நிகழ்த்த வேண்டிய களங்களை அறிமுகப்படுத்துதல்
2. தமிழில் நிகழ்ந்துள்ள ஆய்வுகளை வரலாற்று நோக்கில் உணர்த்துதல்
3. புதிய ஆய்வுக்களங்களை இனம் காட்டுதல் .

அலகு 1

தமிழ் ஆய்வின் தொடக்கம் - சங்க இலக்கியத் தொகுப்பு நெறிமுறைகள் - உரையாசிரியர்களின் உரைநெறிகள் - 19ஆம் நூற்றாண்டு ஆய்வுகளும் ஆய்வாளர்களும் - 20ஆம் நூற்றாண்டு தொடக்ககால ஆய்வுகளும் ஆய்வாளர்களும் - பதிப்பு முயற்சிகளும் - ஆய்வுப்பின்புலங்களும் - தனி நபர் ஆய்வுகள் - பல்கலைக்கழக ஆய்வுகள்.

அலகு 2

சங்க இலக்கிய ஆய்வுகள்: சங்க இலக்கியங்கள் குறித்த உள்ளடக்க ஆய்வுகள் - அகஇலக்கிய மரபுகள், புற இலக்கிய மரபுகள் சங்ககாலச் சமுதாயம் பற்றிய ஆய்வுகள் சங்க இலக்கிய உத்திகள் குறித்த ஆய்வுகள் - குறிப்புப்பொருள், உள்ளுறை, இறைச்சி, அணிநலன்கள்.

சங்கம் மருவியகால இலக்கிய ஆய்வுகள்: அக, புற இலக்கிய ஆய்வுகள், அறஇலக்கிய ஆய்வுகள்.

அலகு 3

காப்பியம், பக்தி, புராண மற்றும் சிற்றிலக்கிய ஆய்வுகள்: ஐம்பெருங்காப்பியம், ஐஞ்சிறுங்காப்பியம் குறித்த ஆய்வுகள் பக்தி இலக்கியம் - பன்னிரு திருமுறைகள், நாலாயிர திவ்ய பிரபந்தம் குறித்த ஆய்வுகள் புராணம் - தலபுராணம் பற்றிய ஆய்வுகள் சிற்றிலக்கியம் குறித்த ஆய்வுகள்.

அலகு 4

தற்கால இலக்கிய ஆய்வுகள்: உரைநடை ஆய்வுகள், சிறுகதை, புதினம், மரபுக்கவிதை, புதுக்கவிதை, நாடகங்கள் குறித்த ஆய்வுகள் - தற்காலத் தமிழ் இலக்கிய ஆய்வுப் போக்குகள். பெண்ணிய ஆய்வுகள் - பெண்மொழி ஆய்வுகள் - அடிக்கருத்தியல் ஆய்வுகள் - ஊடகவியல் ஆய்வுகள் - தொல்லியல் ஆய்வுகள் - சுவடியியல் ஆய்வுகள் - நாட்டுப்புறவியல் குறித்த ஆய்வுகள் - நாட்டுப்புறப்பாடல் ஆய்வுகள் - நாட்டுப்புறப் பண்பாட்டு ஆய்வுகள் - சமயம், நம்பிக்கைகள், பழக்கவழக்கங்கள், விழாக்கள் பற்றிய ஆய்வுகள் - விடுகதைகள், பழமொழிகள், கதைகள் குறித்த ஆய்வுகள் - நாட்டுப்புறக்கலைகள் பற்றிய ஆய்வுகள்.

அலகு 5

இலக்கண ஆய்வுகள்: தமிழில் இலக்கண ஆய்வுகள் - எழுத்து, சொல், பொருள், யாப்பு, அணி பற்றிய ஆய்வுகள் - இலக்கண உரையாசிரியர்கள் பற்றிச் செய்யப்பட்டுள்ள ஆய்வுகள் - மொழியியல் ஆய்வுகள் - தற்கால இலக்கண ஆய்வுகள் - அகராதி ஆய்வுகள் - சொற்பொருண்மையியல் ஆய்வுகள் - மொழிபெயர்ப்பியல் ஆய்வுகள்

பார்வை நூல்கள்:

1. சங்க இலக்கிய ஒப்பீடு - இலக்கியக் கொள்கைகள், தமிழண்ணல், மீனாட்சி புத்தக நிலையம், மதுரை, 1979.
2. Tradition & Talent in Cangam Poetry, Thamizhannal, Madurai Publishing House, Madurai, 1976.
3. ஒப்பிலக்கிய நோக்கில் சங்க காலம், கதிர் மகாதேவன், லட்சுமி வெளியீடு, மதுரை, 1977.
4. தமிழ்க்காதல், வ.சுப. மாணிக்கம், பாரிநிலையம், சென்னை, 1962.
5. புறத்திணையியல், கு.வெ. பாலசுப்பிரமணியம், தமிழ்ப்பல்கலைக்கழக வெளியீடு.
6. தமிழில் காப்பியக் கொள்கைகள், து. சீனிச்சாமி, தமிழ்ப்பல்கலைக்கழக வெளியீடு.
7. தொகையியல், அ. பாண்டிரங்கன், திருவரங்கப் பதிப்பகம், புதுச்சேரி.
8. நாட்டுப்புறவியல் ஆய்வு, சு. சக்திவேல் மணிவாசகர் பதிப்பகம், 1983.
9. நாட்டுப்புறவியல், சு. சண்முக சுந்தரம், மணிவாசகர் பதிப்பகம், 1982.
10. நாட்டார் வழக்காறுகள், லுர்து, மணிவாசகர் நூலகம், 1988.
11. மொழி வரலாறு, மு. வரதராசன், கழக வெளியீடு.
12. மொழிநூல், மு. வரதராசன், கழக வெளியீடு.
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கற்றலின் பயன்கள்(Outcomes) :

1. தமிழில் இதுவரை நிகழ்ந்துள்ள ஆய்வுகள் பற்றிய தெளிவினைப் பெறுவர்.
2. வரலாற்று நோக்கில் தமிழில் நிகழ்ந்துள்ள ஆய்வுகளை அறிவர்.
3. தமிழ் இலக்கிய ஆய்வுகளின் பயன்பாட்டினை உணர்வர்.
4. தமிழ்க்காப்பியங்களில் நிகழ்த்தப்பெற்றுள்ள ஆய்வுகளின் நுட்பங்களைப் பெறுவர்.
5. நவீன ஆய்வு நோக்கில் ஆய்வு நிகழ்த்தும் திறன் பெறுவர்.
6. நாட்டுப்புற ஆய்வுகள் குறித்த களங்களை இனம் காண்பர்.
7. இலக்கணக்கலைச்சொல் ஆக்கங்களை அறிந்து தெளிவர்.
8. தமிழாய்வு செல்நெறிகளை இனம் காண்பர்.

தாள 3 - கற்பித்தல், கற்றல் திறன்கள்

நோக்கங்கள் :

1. கணினியின் பாகங்களையும் பணிகளையும் உணர்தல்.
2. கணினியின் பயன்பாட்டினையும் பயன்படுத்துதலையும் உய்த்துணர்தல்.
3. கணினியுடன் கூடிய துணைக்கருவிகளை உபயோகப்படுத்த அறிந்து கொள்ளல்.
4. கற்றலிலும் கற்பித்தலிலும் தகவல் தொழில்நுட்பத்தைப் பயன்படுத்தும் திறனை வளர்த்துக்கொள்ளல்.
5. பேச்சாற்றல் திறனை வளர்த்தல்.
6. தகவல் தொழில்நுட்ப அறிவினைப்பெற்று அதன்வழி பாடங்கள் நடத்துதல்.
7. இணையத்தைக் கற்பித்தலுக்குப் பயன்படுத்துதல்.
8. பல்வகைப்பட்ட மாணவர்களுக்குக்கேற்ப கற்பிக்கும் திறனை உணர்ந்து புரிய வைத்தல்.

அலகு 1 : கணினி பயன்பாட்டுத்திறன்

தகவல் மற்றும் தொடர்புடைய (கம்யூனிகேசன்) தொழில்நுட்பத்தின் (ICT) முக்கிய அம்சங்கள் - வரையறை, பொருள் - விளக்கம் - போக்குகள் - கற்பித்தல் மற்றும் கற்றலுடன் ICT ஒருங்கிணைத்தல் (ICT-Information and communication Technology) - ICT பயன்பாடுகள் - சொல் செயலிகள் ஸ்ப்ரெட் தாள்கள் (Sheets) - வகுப்பறையில் பவர் பாய்ண்ட் ஸ்லைடுகள் - ஆய்விற்கு ICT - ஆன்லைன் புத்திரிக்கைகள் - இ-புத்தகங்கள் (Electronic Books) - பாடநெறி - பயிற்சிகள் - தொழில்நுட்ப அறிக்கைகள் - கருத்துக்கள் மற்றும் விவாதங்கள் - ஆசிரியத்தொழிலில் வளர்ச்சியடைய ICT யைப் பயன்படுத்துதல் - ஆசிரியத்தொழிலில் வளர்ச்சி - கருத்து - கற்பித்தலில் போதிய ஆற்றலை வளர்த்தல் - சமூக வலை தளங்களைப் (Networks) பயன்படுத்தி தனித்திறமை வளர்த்தல் - ஆய்விற்குத் தொழில் நுட்பத்தைப் பயன்படுத்துதல் - திறந்த கல்வி வளங்களைப் பயன்படுத்துதல் (OER - Open Education Resource) .

அலகு 2 : தொடர்புத்திறன்கள் (Communication Skills)

தொடர்பாடல் (கம்யூனிகேஷன்) - வரையறைகள் - தொடர்பாடல் கூறுகள் - அனுப்புநர் - செய்தி - சேனல் (பாதை), பெறுநர் - கருத்து மற்றும் சத்தம் (சப்தம் - தேவையற்ற ஒலிகள்) - தொடர்பாடல் வகைகள் - பேச்சு மற்றும் எழுத்துச்சொற்கள் அல்லாத தொடர்பாடல் - உள்முக, தனிநபர், குழு மற்றும் தகவல் தொடர்பில் (Mass Communication) ஏற்படும் தடைகள் - சாதனங்கள் வழி, பௌதிக, மொழியியல் மற்றும் கலாச்சாரம் ஆகியனவற்றால் ஏற்படும் தடைகள் - தொடர்புத்திறன் - கவனித்தல், பேசுதல், எழுதுதல், சரளமாக எழுத மற்றும் பேசும் திறனை வளர்த்துக்கொள்ளும் முறைகள் - தனிநபர் பாணி, உச்சரிப்பு, சொல்வளம், சொற்களஞ்சியம் - வகுப்பறையில் உரை நிகழ்த்துதல் - உரையில் ஏற்ற இறக்கம்.

அலகு 3 : ஆசிரியரியல் (Pedagogy)

கற்பித்தல் தொழில் நுட்பம் : வரையறை, குறிக்கோள், வகைகள் - கற்பித்தலுக்கும் விரிவுரை (போதனை) (Lecture) ஆற்றுவதற்கும் இடையேயான வேறுபாடுகள் - விரிவுரை நுட்பம் : படிப்படியான நிலைகள் - விரிவுரை ஆற்றல் - பவர்பாய்ண்டு துணை கொண்டு விரிவுரை நிகழ்த்துதல் - பன்முக விரிவுரை நுட்பம் : செயல்விளக்கம் - சிறப்பியல்புகள், கோட்பாடுகள், திட்டமிடல், நடைமுறைப்படுத்துதல் மற்றும் மதிப்பீடு — கற்கும் மற்றும் கற்பித்தலின் நுட்பங்கள்: குழுவாகக்கற்பித்தல் - குழுவிவாதம், கருத்தரங்கு(Seminar), பட்டறை (Workshop), கருத்துக்கோவை மற்றும் குழு கலந்துரையாடல்

அலகு 4 : மின்னணு வழி கற்றல்

தொழில் நுட்ப ஒருங்கிணைப்பு மற்றும் இந்தியாவில் அமைந்துள்ள கல்வி வளங்கள் - மின்னணு கற்றல் : கருத்துக்கள், வகைகள், (ஒத்திசைவு, ஒத்திசைவற்ற கருத்துரையாற்றல் மற்றும் வழிகள்) - கைப்பேசி (செல்போன்) துணையோடு கற்றல் - கைப்பேசி செயலிகள் - கலப்பின கற்றல் - சுத்திகரிக்கப்பட்ட கற்றல் - மின்னணுக்கற்றலுக்கான கருவிகள் - (LMS கற்றல் முகாமைத்துவ முறைமை, சொல் செயலாக்க மென்பொருள், விளக்கக்காட்சிகள் தயாரித்தல், இணையத்தில் திருத்தம் செய்தல் ...)

துறைசார்ந்த மின்னணு கற்றல் கருவிகள் - மின்னணு கற்றலின் தரம் அறிதல் - கற்பித்தலில் தொழில் நுட்பத்தை ஒருங்கிணைத்தல் - நுண்ணறிவு - கற்றல் செயல்முறை - தொழில்நுட்ப ஒருங்கிணைப்பை நெறிப்படுத்தும் கட்டமைப்பு (T PACK; SAMR) - TIM தொழில்நுட்பத்தைத் திறம்பட ஒருங்கிணைக்க பாடங்கள் (TIM - Technology Integration Management)

இந்தியாவில் காணப்பெறும் கல்விவளம் :

MOOC, NMEICT, NPTEL, e-pathshala, SWAYAM, SWAYAM Prabha, தேசியக்கல்வி வைப்பு நிதி (NAD), தேசிய இணையக்கல்விக்கழகம் (NDL), e.Sodh Sindhu, உயர்கல்வி மின்னணு வளம் - Virtual Labs - வர்ச்சுவல் லாப்ஸ் - மெய்நிகர் ஆய்வகம் - e-yantra - Talk to a Teacher- Moodle - mobile apps etc. - கைப்பேசி செயலி - இன்னும்பல .

அலகு 5 : கற்பித்தல் திறன் மற்றும் தொழில் சார்ந்த மதிப்பீடு

கற்பித்தல் திறன் : வரையறை - பொருள் தன்மை - கற்பித்தல் திறன் : (வகைகள் : உரை தொடங்குதல், கற்கத்தூண்டுதல், ஊக்கம் ஊட்டுதல் - விளக்குதல் - கேள்வி கேட்கத்தூண்டுதல் - கரும்பலகையில் எழுதி விளக்குதல் - உரையை முடித்தல்) கற்பிக்கும் திறன்களை ஒருங்கிணைத்தல் - கற்பிக்கும் திறனை மதிப்பிடுதல் - மதிப்பிடுதலின் நுட்பம் : மதிப்பிடுதலின் வழிமுறைகள் - தேவைக்கேற்ப மதிப்பிடுதலில் மாற்றம் - கற்கும் திறனை மதிப்பிடுதலில் தொழில்நுட்பத்தின் பங்கு - தன்னையும் தனக்கு இணையனாவர்களையும் மதிப்பிடப்பயன்படுத்தும் கருவிகள் - (பதிவு செய்யும் கருவிகள், e-rubrics (மின்-ரூபிக்) - ஆன்லைனில் மதிப்பிடுதல், மென்பொருள் பயன்பாடு, ஆன்லைன் தேர்வு (நேர்முகத்தேர்வு, eport folio, அமைத்தல் பொது மதிப்பாய்வு செய்ய கருவிகள்) வலைப்பதிவுகள் மற்றும் கருத்தரங்கு விவாதம் மூலம் கற்பதை மதிப்பீடு செய்ய தொழில்நுட்பத்தைப் பயன்படுத்துதல், கற்றலைப் பகுப்பாராய்தல்.

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11. முனைவர் துரை. மணிகண்டன் , த.வானதி, தமிழ்க்கணினி இணையப்பயன்பாடுகள், கமலினி பதிப்பகம், தஞ்சாவூர்
12. முனைவர் க. துரையாசன், இணையமும் இனிய தமிழும், இசைப்பதிப்பகம், சும்பகோணம்
13. முனைவர் மு. பழனியப்பன் கணினியும் இணையமும், மீனாட்சி பதிப்பக வெளியீடு, புதுக்கோட்டை

பயன்கள் :

1. இணைய அறிவைப் பெறுவர் .
2. புதிய தகவல் தொழில்நுட்ப அறிவைத்தேர்ந்து தெளிவர் .
3. கற்பித்தலில் நவீன உத்திகளைப்பயன்படுத்துவர் .
4. பரந்துபட்ட அறிவைப்பெறுவர் .
5. இணையம், மின்நூலகம் வழி புதிது புதிதாகக்கற்பர் .
6. மாணவர்கள் மனம் புரிந்து கொள்ளும்படிக்கற்பிப்பர்.
7. கணினிப்பயன்பாட்டினை அறிவர்.
8. பேச்சாற்றலை வளர்த்துக்கொள்வர்.



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI 620 024

B.Com Programme – Course Structure under CBCS

(Applicable to the candidates admitted from the academic year 2016 -2017 onwards)

updated on 7-12-2017

Sem.	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total	
						Int.	Ext.		
I	I	Language Course – I (LC) – Tamil*/Other Languages +#	6	3	3	25	75	100	
	II	English Language Course - I (ELC)	6	3	3	25	75	100	
	III	Core Course – I (CC) Principles of Accountancy	6	5	3	25	75	100	
			Core Course – II (CC) Marketing	6	5	3	25	75	100
				Allied Course –I (AC) Business Management	4	3	3	25	75
	IV	Value Education	2	2	3	25	75	100	
	Total			30	21				600
II	I	Language Course – II (LC) - Tamil*/Other Languages +#	6	3	3	25	75	100	
	II	English Language Course – II (ELC)	6	3	3	25	75	100	
	III	Core Course – III(CC) Business Accounting	6	5	3	25	75	100	
			Core Course – IV (CC) Banking Theory Law & Practice	6	5	3	25	75	100
				Allied Course – II Business Economics	4	3	3	25	75
		Environmental Studies	2	2	3	25	75	100	
Total			30	21				600	

III	I	Language Course – III (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course - III (ELC)	6	3	3	25	75	100
	III	Core Course – V (CC) Partnership Accounts	6	5	3	25	75	100
		Core Course – VI (CC) Business Law	6	5	3	25	75	100
		Allied Course – III(AC) Business Communication	4	3	3	25	75	100
	IV	Non Major Elective I – for those who studied Tamil under Part I a. Basic Tamil for other language students b. Special Tamil for those who studied Tamil upto 10th +2 but opt for other languages in degree programme A) Personal Investment (or) B) Elements of Insurance	2	2	3	25		100
	Total		30	21				600
IV	I	Language Course –IV (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course – IV (ELC)	6	3	3	25	75	100
	III	Core Course – VII (CC) – Cost Accounting	5	5	3	25	75	100
		Core Course - VIII (CC)- Business Tools for Decision making	5	5	3	25	75	100
		Allied Course – IV (AC) Company Law	4	3	3	25	75	100
	IV	Non Major Elective II – for those who studied Tamil under Part I a. Basic Tamil for other language students b. Special Tamil for those who studied Tamil upto 10 th +2 but opt for other languages in degree programme A) Introduction to Accountancy (or) B) Salesmanship	2	2	3	25	75	100
	V	Skill Based Elective I	2	2	3	25	75	100
	TOTAL		30	23				700

V	III	Core Course – IX (CC) Corporate Accounting	5	5	3	25	75	100
		Core Course – X (CC) Auditing	5	5	3	25	75	100
		Core Course – XI (CC) Computer Applications in Business Theory - 60 marks; (UE: 45 ; IA: 15) Practical 40 marks ; (UE: 30 ; IA: 10) * Theory 2 hours & Practical 2 hours	5	5	*4	25	75	100
		Core Course – XII (CC) Management Accounting	5	5	3	25	75	100
		Major Based Elective – I A) Entrepreneurial Development (or) B) International Marketing	4	3	3	25	75	100
		IV	Skill Based Elective – II	2	2	3	25	75
	IV	Skill Based Elective – III	2	2	3	25	75	100
		Soft Skills Development	2	2	3	25	75	100
		Total	30	29				800
VI	III	Core Course – X III (CC) Financial Management	6	5	3	25	75	100
		Core Course – XIV (CC) Income Tax Theory Law & Practice	6	5	3	25	75	100
		Core Course – XV (CC) Financial Services	6	5	3	25	75	100
		Major Based Elective II A) Human Resource Management (or) B) Service Marketing	5	4	3	25	75	100
		Major Based Elective III A) Insurance Management (or) B) Investment Management	6	4	3	25	75	100
	V	Extension Activities**		1	-	-	-	-
		Gender Studies	1	1	3	25	75	100
		Total	30	25				600
	Grand Total	180	140	-	-	-	3900	

Language Part – I	-	4
English Part –II	-	4
Core Papers	-	15
Allied Papers	-	4
Non-Major Elective	-	2
Skill Based Elective	-	3
Major Based Elective	-	3
Environmental Studies	-	1
Value Education	-	1
Soft Skill Development	-	1
Gender Studies	-	1
Extension Activities	-	1 (1 Credit only)

* for those who studied Tamil up to 10th +2 (Regular Stream)

+ Syllabus for other Languages should be on par with Tamil at Degree level

those who studied Tamil upto 10th +2 but opt for other languages in Degree level under Part I should study special Tamil in Part IV

** Extension Activities shall be outside instruction hours

Non Major Elective I & II – for those who studied Tamil under Part I

- Basic Tamil I & II for other language students
- Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

1. **Theory** Internal 25 marks External 75 marks

2. Theory & Practical:

Internal Assessment: Theory – 15 Marks; Practicals – 10 Marks.

University Examination : Theory - 45 Marks ; Practicals - 30 Marks

Separate passing minimum is prescribed for Internal and External

Passing Minimum

A candidate shall be declared to have passed in each course if he / she secures not less than 40 % marks out of 75 marks (i.e., 30 marks) in the University Examination (UE) and 40% out of 25 marks (i.e., 10 marks) in the Internal Assessment.(CIA)

CORE COURSE - I

PRINCIPLES OF ACCOUNTANCY

Objectives: To understand the basic principles of accounts and its applications in Business.
(Theory & Problem)

Unit I:

Introduction – Accounting concepts and conventions – Accounting Standards – Meaning
- Double entry system – Journal, Ledger, Subsidiary books, Trial Balance- Bank Reconciliation
Statement.

Unit II:

Final Accounts of sole traders with adjustment entries - Rectification of Errors.

Unit III

Accounts of Non-profit organization – Bills of exchange – Average due date – Account Current.

Unit IV

Consignments and Joint Ventures.

Unit V:

Single Entry System. Depreciation - Methods, provisions and reserves.

(Theory 25% Problems 75%)

Text and Reference Books (Latest revised edition only)

1. R.L. Gupta and Others ,” **Advanced Accountancy**,” Sultan Chand Sons, New Delhi
2. S.P. Jain and K.L. Narang, “**Advanced Accounting**,” Kalyani Publishers, New Delhi
3. RSN. Pillai, Bagavathi S. Uma, “ **Advanced Accounting**,” S. Chand & Co, New Delhi.
4. M.C. Shukla, “ **Advanced Accounts**,” S. Chand and Co., New Delhi.
5. Mukerjee and Haneef, **Advanced Accountancy**, Tata McGraw Hill, New Delhi.
6. Arulanandam, “ **Advanced Accountancy**,” Himalaya Publication, Mumbai.
7. S.Manikandan & R.Rakesh Sankar, ” **Financial Accounting**,” Scitech Publications Pvt Ltd, Chennai. Volume I & II.
8. T.S.Reddy & Dr.A.Murthy, “**Financial Accounting**,” Margham Publications, Chennai.

CORE COURSE – II

MARKETING

Objectives : To enable the students to gain knowledge about marketing and its promotional aspects.
(Theory only)

Unit I

Marketing - Evolution – Definition- classification- objectives- selling vs. marketing – Marketing a science or art? - Modern Concept of marketing – role of marketing in economic development - Functions – buying- selling - transportation – warehousing – standardization – Grading – Packaging- ISO Series and AGMARK - ISI.

Unit II

Buyer's behaviour – Buying motive – Market segmentation - Product - Features - Classification - New Product Planning and Development - Product Mix - Product Life Cycle - Branding - Brand Loyalty and Equity.

Unit III

Pricing - Objectives - Factors - Methods and strategies. Channels of Distribution – Wholesaler and Retailer – Services rendered by them.

Unit IV

Sales Promotion –types- Need –Sales Promotion mix– Advertising – Publicity- Personal selling - Advantages - Limitations.

Unit V

Marketing Information System - Marketing Research - Features –Direct marketing - E Business – Telemarketing - Mail order business .

Text and Reference Books (Latest revised edition only)

1. R.S.N.Pillai&Bagavathi , “**Modern Marketing**,” S.Chand& Co., New Delhi.
2. RajanNair.N.,SanjithR.Nair,” **Marketing**,” Sultan Chand & Sons, New Delhi.
3. Kotler Philip, “**Marketing Management**,” Prentice Hall of India (Pvt) Ltd., New Delhi.
4. Monga&ShaliniAnand, “ **Marketing Management**,” Deep & Deep Publications, New Delhi.
5. Dr. L. Natarajan , “**Marketing**,” Margham Publications, Chennai.
6. Grewal , “**Marketing**,” Tata McGraw Hill management, New Delhi.
7. B.S.Raman, “**Marketing**,” United Publishers, Mangalore.
8. Dr. J. Jayasankar, “**Marketing**,” Margham Publications, Chennai.

ALLIED COURSE – I
BUSINESS MANAGEMENT

Objective: To impart knowledge on the concepts and principles of Management and application of practices in various organisation.
(Theory only)

UNIT I

Management – Definition, nature, scope, functions and Levels of Management-Art, Science and Profession - functions of Managers- Development of management thought – Contribution by F.W.Taylor, Henry Fayol and others.

UNIT II

Planning –Classification – Objectives – characteristics-Steps - process- types- Methods- advantages - limitations, Decision making – Policies.

UNIT III

Organisation and Structure– Types – Supervision and Span of Control - Departmentation – Organisation charts – Authority and Responsibility- Delegation and Decentralisation.

UNIT IV

Motivation - types -Theories – Maslow, Herzberg, McGregor, and others. Communication - Principles - types and barriers of communication.

UNIT V

Leadership –functions - styles - theories. Co-ordination – features – types and techniques. Control- process- effective control system - Techniques of control.

Text and Reference Books (Latest revised edition only)

1. DinkarPagare, “**Principles of Management**,” Sultan Chand & Sons New Delhi.
2. K. Sundar, “**Principles of Management**,” Vijay Nicole Imprints Private Limited, Chennai.
3. Drucker Peter F, Butterworth Heinemann, “**Management Challenges**,” Oxford.
4. Weihrich and Koontz, et.al, “**Essentials of Management**,” Tata- McGraw Hill, New Delhi.
5. Fred Luthans, “**Organizational Behaviour**,” McGraw Hill, New York.
6. Louis A.Allen, “**Management and Organisation**,” McGraw Hill, Tokyo.
7. Hampton, David R, “**Modern Management**,” McGraw Hill, New York.
8. Stoner and Free, “**Management**,” Prentice - Hall, New Delhi.
9. Prasad. L.M, “**Principles & Practice of Management**”, Sultan Chand & Sons, New Delhi.

CORE COURSE – III
BUSINESS ACCOUNTING

Objectives: To make the students to understand the Accounting principles and it's application in Business.

(Theory & Problem)

UNIT – I

Branch accounts - (Excluding foreign branches) – Departmental accounts

UNIT – II

Hire Purchase accounts & Instalment purchase system .

UNIT – III

Self Balancing and Sectional Balancing ledgers – Royalty Account.

UNIT – IV

Fire Insurance claims for loss of stock and profits – Accounting for sale or return.

UNIT – V

Insolvency accounts – statement of affairs – insolvency of individual only.

Theory 20% Problem: 80%

Text and Reference Books (Latest revised edition only)

1. R.L. Gupta and Others : “**Advanced Accountancy**”, Sultan Chand Sons, New Delhi.
2. S.P. Jain and K.L. Narang: “**Advanced Accounting**”, Kalyani Publishers, New Delhi.
3. R.S.N. Pillai, Bagavathi, S. Uma: “**Advanced Accounting**”, S.Chand & Co, New Delhi.
4. M.C. Shukla: “**Advanced Accounts**” S. Chand and Co., New Delhi.
5. Mukerjee and Haneef “**Modern Accountancy**” ,Tata McGraw Hill, Delhi.
6. Arulanandam “**Advanced Accountancy** “, Himalaya Publications, Delhi

CORE COURSE – IV
BANKING THEORY LAW AND PRACTICE

Objectives: To impart knowledge on the theory and practice of Banking and to understand the process of Banking activities.

(Theory only)

Unit I:

Definition of the term banker and customer – General relationship – special relationship – main functions and subsidiary services rendered by banker – agency services and general utility services.

Unit II:

Operations of Bank Accounts – Fixed Deposits – Fixed Deposit Receipt and it's implications – Savings Bank accounts – Current accounts – Recurring Deposit accounts- New Deposit savings schemes introduced by Banks – Super Savings Package – Cash Certificate, Annuity Deposit – Reinvestment plans – Perennial Premium plan – Non Resident (External) accounts Scheme.

Unit III:

Types of Customers – Account holders – Procedure for opening and closing of accounts of Customers- particulars of individuals including Minor, illiterate persons- Married women – Lunatics – Drunkards – Joint Stock Companies – Non- Trading Associations – Registered and Unregistered Clubs – Societies, Attorney - Executive and administration – Charitable institutions – trustees – Liquidators – Receivers – Local authorities – steps to be taken by banker in the event of death, Lunacy, Bankruptcy – winding up Garnishee Order.

Unit IV:

Paying and collecting bankers – rights, responsibilities and duties of paying and collecting banker – precautions to be taken in payment and collection of cheques – protection provided to them – nature of protection and conditions to get protection – payment in due course – recovery of money paid at mistake.

Unit V:

Pass book and Issue of duplicate pass book – cheques - Definition of a cheque – requisites of a cheque – drawing of a cheque - types of cheque – alteration – marking – crossing – different forms of crossing and their significance – Endorsement loss of cheques in transit – legal effect. Modern Banking, Banking practice – e banking – Internet banking – Mobile banking – ATMS- Cash Machine – EFT (Electronic Fund Transfer) – RTGs, NEFT, MICR.

Text and Reference Books (Latest revised edition only)

1. Sundaram and Varshney, "**Banking Theory, Law & Practice**" Sultan Chand Company, New Delhi
2. S.M. Sundaram "**Banking Theory, Law & Practice**" Sri Meenaksi Publications, Karaikudi
3. M.Kumar, Srinivasa, "**Banking**" New Central Book Agency
4. M.S. Ramasamy, "**Tannan's Banking Law & Practice in India**" Sultan Chand Company, New Delhi.
5. E. Gorden and N. Natarajan "**Banking Theory, Law & Practice**" Himalaya Publication.
6. B.Santhanam, "**Banking Theory, Law & Practice**" Margham Publications, Chennai.

ALLIED COURSE - II
BUSINESS ECONOMICS

OBJECTIVE: To understand the concepts and application of economic tools in business.
(Theory only)

UNIT- I

Business Economics – definition - Scope and Nature Art or Science –Concepts – relationship with other disciplines - Micro and Macro Economics relating to business.

UNIT-II

Demand Analysis- Demand Schedule - Law of Demand- Demand curves- Elasticity of Demand- Demand forecasting - Indifference curve analysis- Marginal rate of substitution – Consumer’s equilibrium.

UNIT-III

Production function-Factors of production - Isoquant analysis -scale of production-economies of large scale production and limitations.

UNIT-IV

Supply-supply schedule-Law of supply-Supply curve-Elasticity of supply. Market structure- Equilibrium of firm and industry- Optimum firm. Meaning and characteristics of perfect, monopoly, duopoly oligopoly and monopolistic markets. Pricing under Perfect & Monopolistic competition

Unit V:

National Income- concept – Measurement – inequalities of income – Fiscal policy method. Public Finance – Definition – Scope - importance.

Text and Reference Books (Latest revised edition only)

1. S.Sankaran, .”**Business Economics**” Margam Publications, Chennai.
2. Misra and Puri, .”**Business Economics**” Himalaya Publications, Mumbai
3. MithaniD.M. .”**Business Economics**”, Himalaya Publications, Mumbai
4. K.P.M.Sundharam and sundharam,”**Business Economics**” sultanchand& co., New Delhi.
5. P.Ravilochanan, .”**Business Economics**”Ess Pee Kay Publishing House
6. P.N.Reddy and Appannaiah, .”**Business Economics**”S.Chand & Co., Chennai.
7. T.Aryamala, .”**Business Economics**”Vijay Nicole Imprints Private Limited, Chennai.

CORE COURSE – V

PARTNERSHIP ACCOUNTS

Objective:

To provide students an exposure to understand the practice of Partnership Accounts

Unit - I

Partnership - Meaning, Partnership Deed, Capital Accounts. Accounting Treatment - Distribution of Profits- Interest on Partner's Loans - Interest on Capital and Drawings - Salary and Commission of Partner- P&L Appropriation Account- Capital Accounts of partners – Fixed – Fluctuating- Past Adjustment and guarantee.

Unit - II

Admission of Partner, Calculation of Profit sharing ratio, Revaluation of assets and liabilities, Treatment of Goodwill- Adjustments in Partners' capital Accounts , Revaluation of Assets and Liabilities, Accumulated Profits and Losses, Partner's Capital Accounts and Balance Sheet.

Unit -III

Retirement of a Partner, calculation of Gaining ratio, Treatment of goodwill, Revaluation of assets and liabilities, Accumulated reserves and profits, Adjustments regarding partner's Capital Account, Calculation of profit up to the date of death of a partner. Preparation of Capital Accounts and Balance Sheet.

Unit -IV

Dissolution of partnership firm, Realisation of asset and making payment of Liabilities, Treatment of unrecorded Assets and Liabilities, Preparation of Realisation Accounts , Partner's Capital Accounts and Bank Accounts –Insolvency of a partner- Garner vs Murray-insolvency of all partners- Piece-meal distribution - Proportionate capital – Maximum possible loss.

Unit - V

Amalgamation of firms – Computation of purchase consideration - Conversion of sale of a partnership firm to a company.

Text and Reference Books (Latest revised edition only)

1. Financial Accounting by T.S. Reddy and A.Murthy, Margham Publications, Chennai.
2. Modern Accountancy by A Mukherjee and M Hanif TMH Publishing company –New Delhi
3. Financial Accounting by Dr. S.N. Maheswari, Vikas Publishing House, New Delhi.
4. Advanced Accounting by Grewal and Shukla, S.Chand Publishers, New Delhi.
5. Introduction to Accounting by P.C. Tulasian, Pearson Editions,
6. Financial Accounting by Jain &Narang. Kalyani Publishers, Chennai.

CORE COURSE – VI

BUSINESS LAW

Objective:

To enable the students to gain knowledge about mercantile law and its importance.

Unit – I

Introduction – Definition and scope of mercantile law – growth and sources of mercantile law – Nature and kinds of contracts – offer and acceptance – consideration – capacity of parties – free consent – legality of object, Void Agreements – contingent contracts.

Unit – II

Performance of contracts – Discharge of contracts – remedies for breach including specific Performance – Quasi contracts.

Unit – III

Indemnity and Guarantee – Bailment and pledge – Agency.

Unit – IV

Law of sale of Goods-Definition-Buyer-Goods-Delivery-Merchantile Agent- Sale and agreement to sell – condition & warranty.

Unit – V

Law of Negotiable Instruments. (Instrument Amendment Act, 2015 – Definiton – characteristics – classification- notes, bills, cheques and promissory note.)

Text and Reference Books (Latest revised edition only)

1. Mercantile law by M.C. Shukla – S. Chand & Company, New Delhi.
2. Business Law by V. Balachandran&Thothadri S – Vijay Nicole Imprints (P) Ltd,Chennai.
3. Commercial law by Chawla and Garg – Kalyani Publishers, Chennai.
4. Business law by N.D.Kapoor – S. Chand & Sons, New Delhi.
5. Mercantile law by Batra and Kalra – Tata McGraw Hill Co, Mumbai
6. Mercantile law by M.C. Kuchhal – Vikas Publishing House, Chennai
7. Mercantile law with Industrial law by S.P.Iyengar and B.K.Goyal – R. Chand & Co.

ALLIED COURSE – III

BUSINESS COMMUNICATION

Objective:

To enable the students to write business letters effectively and develop communication skills.

Unit - I

Nature and Scope of Business Communication – Meaning and Importance of Communication, Kinds of Business Letters – Layout – Barriers to Communication.

Unit - II

Enquiry and Reply – Orders and their Execution – Credit and Status enquiries – Claims and Adjustments.

Unit - III

Collection Letters – Sales letters – Circular Letters – Bank Correspondence; Correspondence of a Company Secretary.

Unit - IV

Application Letters – Meaning, Types- Guidelines to write Application letters and Resumes - Form and content of an Application letter. Report writing – Features, Types of Reports, Organisation of a Business Report, Preparation of Report – Long and Short Report: Report by Individuals and Committees.

Unit - V

Modern Communication methods – Online Communication – Fax, E-mail, Voicemail, SMS, Internet, Tele – Conferencing, Video – Conferencing, Electronic Bulletin Boards.

Text and Reference Books (Latest revised edition only)

1. Essentials of Business Communication – Rajendra Pal and J.S. Korlahalli.
2. Effective Business English and Correspondence by M.S.Ramesh and Pattenshetty – R.Chand& Company
3. Business Correspondence and Report writing by Sharma and Krishna Mohan – TMH.

NON MAJOR ELECTIVE - I

(A) PERSONAL INVESTMENT

Objective: To make the students aware of various investment avenues and to facilitate them for effective investment planning.

Unit – I

Meaning and Definition of Investment – Concepts of Investment, Nature of Investment , Types of Investors, Stages in Investment, Speculation- Types of Speculators, Distinction between Investment and Speculation, Gambling – Meaning, features, Distinction between Investment and Gambling.

Unit – II

Importance and basic Principles of Investment , Kinds of Investment – Direct Investment alternatives – Fixed Principal Investments, Variable Principal Securities and Non–Security Investments – Stages in Investment.

Unit – III

Investment Planning – Financial Planning and Investment Planning, Features of Investment Planning, Setting of investment goals at different stages of an individual ,Deciding the investment time frame.

Unit – IV

Popular Investment Media – Bank deposits –Saving deposits, Fixed deposits, Recurring Deposits, Instruments of post office ,Savings certificates, Public Provident Fund , Company deposits – Life Insurance Schemes – Endowment policy, Whole Life Policy, Term Life Policy, Money Back Policy, Joint Life Policy, Children’s Insurance Policy, Group Policy, Unit Linked Insurance Plans – Income tax benefits with respect to payment of premiums. Real Estate – Reasons for growth, problems with Real Estate Investments, Chit funds, Plantation and Farm Houses, Gold and Silver.

Unit – V

Investment in Equity and Preference Shares. Methods of Trading in Stock Exchanges, Investors’ Protection, Problems & Remedies, Role of SEBI in protecting investors’ interests.

Text and Reference Books(Latest revised edition only)

1. Punithavathy Pandiyan – Security Analysis and Portfolio Management, Vikas Publishing house, New Delhi
2. Dr.Radha, Parameswaran and Dr. Nedunchezian – Investment Management, Prasanna Publishers, Chennai.
3. Preeti Singh – Investment Management, Himalaya Publishing House, Mumbai.
4. V.A.Avadhani – Investment Management, Himalaya Publishing House, Mumbai

NON MAJOR ELECTIVE – I

(B)

ELEMENTS OF INSURANCE

Objective:

To highlight the importance of insurance and its basic concepts.

Unit - I

Introduction to insurance: purpose and need of insurance – insurance as a social security tool – insurance and economic development – types of insurance.

Unit - II

Procedure for becoming an agent: Pre-requisite for obtaining a license – duration of license – cancellation of license – revocation or suspension/termination of agent appointment – code of conduct – unfair practices.

Unit - III

Fundamentals of agency - definition of an agent – agents regulations – insurance intermediaries – agents' compensation – IRDA.

Unit - IV

Functions of the agent: proposal form and other forms for grant of cover – financial and medical underwriting – material information – nomination and assignment – procedure regarding settlement of policy claims.

Unit -V

Fundamentals/Principles of life insurance/marine/fire/medical/general insurance: Contracts of various kinds – insurable interest – Actuarial science.

Text and Reference Books (Latest revised edition only)

1. Insurance by Dr. P. Periyasamy – Tata McGraw Hill
2. Fundamentals of Insurance by P. Periasamy by Vijay Nicole Imprints (P) Ltd
3. Insurance in India by P.S.Palande, R.S.Shah.
4. Insurance principles and practices by Mishra M.N – S.Chand& Co.
5. Insurance Regulatory Development Act, 1999.

CORE COURSE – VII

COST ACCOUNTING

Objective:

To enable the students to know the importance of costing and to understand the basic concepts.

Unit – I

Definition, Scope and nature of cost accounting – cost concepts – classification – objectives and advantages – demerits of cost accounting – methods and techniques – cost unit – cost centres – cost sheet.

Unit – II

Materials cost – purchase procedure – stores procedure – receipt and issue of materials – storage organization and layout – Inventory control – levels of stock, perpetual inventory. ABC Analysis, EOQ – Stores ledger – pricing of material issues, FIFO, LIFO, Simple Average & Weighted Average.

Unit – III

Labour cost – Time recording and time booking – methods of remuneration and incentive schemes – overtime and idle time – labour turnover - types – causes and remedies.

Unit – IV

Overheads – collection, classification, allocation, apportionment, absorption – recovery rates – Over & Under absorption – cost sheet and cost reconciliation statement.

Unit – V

Job costing, Contract costing, Process costing (Normal loss, Abnormal loss and gains only) – operating costing.

Theory: 25%, Problem: 75%

Text and Reference Books (Latest revised edition only)

1. Cost Accounting by Jawaharlal – TMH, New Delhi
2. Cost Accounting by Jain and Narang – Kalyani Publishers, Chennai
3. Cost Accounting by S.P. Iyengar – Sultan Chand & Sons, New Delhi.
4. Cost Accounting 2.e by A. Murthy and S. Gurusamy – Vijay Nicole Imprints (P) Ltd, Chennai
5. Cost Accounting by Bhagwathi and Pillai – Sultan Chand & Sons, New Delhi.
6. Cost Accounting by S.N. Maheswari – Sultan Chand & Sons, New Delhi.
7. Cost Accounting by Dr. R. Ramachandran & Dr. R. Srinivasan, Sri Ram Publication, Trichy.

CORE COURSE - VIII

BUSINESS TOOLS FOR DECISION MAKING

Objective:

To enable the students to know the importance of business tools and its application in decision making

Unit - I

Introduction – Meaning, Characteristics, Stages and Uses of Statistics – Classification and Tabulation – Diagrams and graphs – Bar and Pie diagrams – Graphs of one and two variables – Graphs of frequency distribution - Measure of central tendency – Arithmetic mean, Median, Mode, Geometric Mean and Harmonic mean.

Unit - II

Measures of Dispersion – Range – Quartile deviation – Mean deviation – Standard deviation – Co-efficient of variation - Measurement of Skewness (Karl Pearson & Bowley methods only)

Unit - III

Correlation – Simple correlation – Karl Pearson's coefficient of correlation – Spearman's rank correlation – Concurrent deviation method - Regression analysis – Simple regression – Regression equations.

Unit - IV

Analysis of Time series – Components – Methods – Semi average – Moving average - Method of least square – Interpolation – Meaning, Uses, Assumptions – Newton's method only.

Unit - V

Index numbers – Price index numbers – unweighted and weighted – Tests in index numbers (Time and factor reversal tests only) - Cost of living index number – Aggregate expenditure method – Family budget method.

(Problem 80% and Theory 20%)

Text and Reference Books (Latest revised edition only)

1. Elements of Statistics by S.P. Gupta – Sultan Chand & Sons
2. Tools and Decision making by SL Aggarwal and SL Bharadwaj, Kalyani Publishers
3. Business Statistics by PA. Navanitham, Jai Publications, Trichy.
4. Elements of Practical Statistics by S.K. Kappor – Oxford and IBHP Publishing Company

ALLIED COURSE – IV

COMPANY LAW

Objective:

To enable the students to know the importance of company law and its provisions.

Unit - I

Definition of Joint Stock Company – Kinds – Formation – Incorporation- Characteristics.

Unit-II

Memorandum of Association – Contents - Doctrine of Ultra Vires – Articles of Association – Contents – Prospectus – Contents – Statement in lieu of Prospectus.

Unit - III

Share Capital – Kinds of Shares – Voting Rights – Borrowing powers of companies.

Unit - IV

Meetings and Resolutions – Statutory Meeting – Annual general meeting – Extra – Ordinary general Meeting - Resolutions – Ordinary & Special.

Unit - V

Winding up of a company – Modes of winding up – winding up by the court – Voluntary winding up – Members' voluntary winding up – Creditors' voluntary winding up.

Text and Reference Books (Latest revised edition only)

1. Company Law – Gaffoor and Thothadri – Vijay Nicole Imprints (P) Ltd
2. Business Laws – N.D. Kapoor, Sultan Chand and Sons
3. Business Laws – M.R. Sreenivasan, Margam Publications
4. Business Laws – M.V. Dhandapani, Sultan Chand and Sons
5. Company Law – Avtar Singh
6. Company Law N.D. Kapoor
7. M.C.Shukla and S.S. Gulshan – Principles of Company Law
8. A Student Handbook on Company Law and Practice – V. Balachandran & M. Govindarajan – Vijay Nicole Imprints (P) Ltd.
9. S.BadriAlam and Saravanavel - Company Law- Himalaya Publications
10. P.P.S. Gogna – Text Book of Company Law – S.Chand

NON-MAJOR ELECTIVE – II

(A) INTRODUCTION TO ACCOUNTANCY

Objective:

To enable the students to know the importance of accountancy and its concepts.

Unit – I

Definition of Accounting – Nature, Objectives and Utility of Accounting in Industrial and Business Enterprise – Difference between Book-keeping and Accounting – Accounting Concepts and Conventions.

Unit – II

Double Entry System – Rules – Advantages and Disadvantages – Journal – Subsidiary Books.

Unit – III

Ledger – Meaning – Balancing of Accounts – Difference between Journal and Ledger – Trial Balance – Objectives – Limitations – Preparation of Trial Balance.

Unit – IV

Rectification of Errors – Objectives – Types – Methods – Bank Reconciliation Statement. (Simple problems only)

Unit – V

Final Accounts of Sole Trader (with Simple Adjustments).

Theory: 25% Problem: 75%

Text and Reference Books (Latest revised edition only)

1. Advanced Accountancy – Arulanandam, Himalaya Publications, New Delhi.
2. Advanced Accounting – S.P. Jain and K.L. Narang, Kalyani Publishers, Chennai
3. Advanced Accounts – M.C. Shukla T.S. Grewal and S.C. Gupta, S.Chand& Sons, New Delhi.
4. Principles of Accounting – Finnelly, H.A. and Miller, H.E., Prentice Hall.
5. Introduction to Accountancy – Jaya, Charulatha and Baskar, Vijay Nicole Imprints (P) Ltd, Chennai

NON-MAJOR ELECTIVE – II

(B)

SALESMANSHIP

Objective:

To enable the students to know the importance of Salesmanship and to understand the concepts.

Unit - I

Introduction to selling- meaning- definitions-importance- methods- qualities-functions- duties- responsibilities – types of sales person – sales careers.

Unit - II

Selling process – steps- customer expectations – understanding prospects- importance- sources- buyer motives and behaviour- transaction oriented selling – relationship selling.

Unit - III

Selling techniques – planning- setting objectives- approach techniques – building rapport- product knowledge- product benefits- features –functions- sales presentation- demonstration- handling objections- handling difficult customers- closing sales – after sales service.

Unit - IV

Sales territory- sales targets/quotas- creating product strategies – understanding selling terms and prices- retail store sales person- online stores and sales opportunities – personal selling in the information age.

Unit - V

Sales force management- selection- training- motivation- compensation – supervision and control- sales reports and knowledge management – evaluation- selling expenses- sales team professionalism – ethics- personal grooming.

Text and Reference Books (Latest revised edition only)

1. Sahu and Raut: Salesmanship and Sales Management, Vikas Publishing House, Chennai.
2. CL Tyagi&Arun Kumar: Sales Management, Atlantic Publishers
3. SaChunawalla: Sales Management, Himalayas Publications, New Delhi.
4. Sundar and Madhavan: Salesmanship and Sales Management, Vijay Nicole Imprints (P) Ltd, Chennai
5. PC Pardesi: Salesmanship and Sales Management, NiraliPrakashan

CORE COURSE – IX
CORPORATE ACCOUNTING

Objective:

To enable the students to know about accounting procedure in corporate accounting

Unit – I

Company accounts – introduction – legal provisions regarding issue of shares, application, allotment, calls, calls-in-arrears, calls-in-advance, issue of shares at premium- issue of shares at discount- forfeiture of shares - re-issue – accounting entries.

Unit – II

Issue and redemption of debentures – methods of redemption of debentures- instalment – cum-interest and Ex-interest – redemption by conversion, sinking fund, insurance policy. Redemption of preference shares- implication of Section 80 and 80A of the Companies Act.

Unit – III

Amalgamation – purchase consideration- accounting treatment – pooling of interest method and purchase method, Absorption, external and internal reconstruction of companies.

Unit – IV

Accounts of Holding company - legal requirements relating to presentation of accounts - Consolidation of balance sheet (excluding chain holding).

Unit – V

Final accounts of banking companies (new format) and Insurance companies (new format).

Theory: 25% Problem: 75%

Text and Reference Books (Latest revised edition only)

1. Advanced Accountancy by M.C. Gupta, Shukla and Grewal – S. Chand publishing, Delhi
2. Advanced Accountancy by R.L. Gupta and Radhaswamy – Sultan Chand & Sons, New Delhi.
3. Advanced Accountancy by Jain and Narang – Kalyani Publishers, Chennai
4. Corporate Accounting by Palaniappan&Hariharan – Vijay Nicole Imprints (P) Ltd, Chennai.
5. Advanced Accountancy by Arulanandam and Raman – Himalayan Publishers, New Delhi.

CORE COURSE – X

AUDITING

Objective:

To provide students an understanding about the principles and practice of Auditing.

Unit – I

Introduction – definition of audit – objects of audit – classification of audit – Internal audit – Periodical audit – Continuous audit – Interim audit – Balance sheet audit. Internal check – Internal control. Procedure of audit – audit programme – test check – Auditing vs. Investigation.

Unit – II

Vouching – cash and trading transactions, personal and impersonal ledgers.

Unit – III

Valuation and Verification of assets and liabilities. Depreciation and Reserves – Auditors duties regarding Depreciation and Reserves.

Unit – IV

Audit of Limited companies – share capital audit – share transfer audit – appointment, qualification, rights and liabilities of company auditors – Audit reports.

Unit – V

Divisible profits and Dividends – Audit of computerised Accounting.

Text and Reference Books (Latest revised edition only)

1. Spicer and Pegler's Practical Auditing by Ghatalia, S.V.- Allied Publishers Pvt Ltd.
2. Practical Auditing by B.N. Tandon, S.Sudharsanam and S.SundaraBalu – S.Chand publishing, New Delhi.
3. Text Book of Auditing by V.K. Batra and K.C. Bagarrta – TMH.
4. Auditing by Jagadish Prakash – Kalyani Publishers, Chennai.
5. Auditing by DinkerPagare – Sultan Chand & Sons, New Delhi.

CORE COURSE – XI

COMPUTER APPLICATIONS IN BUSINESS

Objective:

To enable the students to know the importance of computer application in business.

(Theory - 60 marks ; UE: 45 ; IA: 15)

Unit – I

Computer – Meaning – Characteristics – Areas of application – Components – Memory control unit – Input and output devices – Ms Word – Creating word documents – creating business letters using wizards – editing word documents – inserting objects – formatting documents – spelling and grammar check – word count – thesaurus, auto correct working with tables – opening, saving and closing documents – mail merge.

Unit – II

Spread sheet – Spread sheet programmes and applications – Ms Excel and features – Building work sheets – entering data in work sheets, editing and forming work sheets – creating and forming different types of charts - application of financial and statistical function – creating, analyzing and organizing data – opening and closing work books – Introduction to Pivot tables.

Unit – III

Fundamentals of Computerized accounting – Computerized accounting Vs manual accounting - Architecture and customization of Tally – Features of Tally – latest version – Configuration of Tally – Tally screens and menus – Creation of company – Creation of groups – Editing and deleting groups – Creation of ledgers – Editing and deleting ledgers – Introduction to vouchers – Vouchers entry – Payment vouchers – Receipt vouchers – Sales vouchers – Purchase vouchers – Contra vouchers – Journal vouchers – Editing and deleting vouchers.

Unit – IV

Introduction to Inventories – Creation of stock categories – Creation of Stock groups – Creation of Stock items- Configuration and features of stock item– Editing and deleting stocks – Usage of stocks in Vouchers entry. Purchase orders – Stock vouchers – Sales orders – Stock vouchers – Introduction to cost – creation of cost category – Creation cost centres – Editing and deleting cost centres & categories – Usage of cost category and cost – centres in vouchers entry – Budget and controls – Creation of budgets – Editing and deleting budgets – Generating and printing reports in detailed and condensed format.

Unit – V

Day books– Trial balance – Profit and Loss account – – Balance sheet . Ratio analysis, Cash flow statement – Fund flow statement – Cost centre report – Inventory report - Bank Reconciliation Statement.

(Practical – 40 marks UE: 30 marks IA:10 marks)

LIST OF PRACTICAL

MS (Unit I)

1. Creating business letters
2. Creating an application for the job with the bio-data
3. Creating Circular letter with mail-merge options
4. Creating a Table by using the split and merge options

MS-Excel (Unit II)

1. Creating a work sheet like mark sheet, Pay Slip, PF Contribution list etc.
2. Creating Charts
3. Creating a list for the enclosures
4. Filtering the date using Auto filter custom filters using comparison operations
5. Creating Pivot tables

Accounting Package (Unit III,IV and V)

1. Preparing voucher entries for the given transactions.
2. Preparing final accounts from the trial balance given with any ten adjustments
3. Inventory report
4. Bank Reconciliation Statement

Text and Reference Books (Latest revised edition only)

1. Computer Applications in Business – S.V. SrinivasaVallabhan – Sultan & Chand Publication.
2. Microsoft office – Jones & Derek – John wiley & sons inc.
3. Implementing Tally – A.K. Nadhani, BPB Publications.
4. Computer Application in Business – R. Paramasivam – S.Chand & Co, New Delhi.
5. Computer Application in Business: Dr.Joseph Anbarasu, Learntech Press

CORE COURSE – XII

MANAGEMENT ACCOUNTING

Objective:

To enable the students to know the importance of management accounting and its concepts.

Unit - I

Management accounting – Definition – Objectives – Nature – Scope – Merits and limitations – Differences between management accounting and financial accounting – Financial statement analysis – Comparative statement – Common size statement – Trend percentage – Ratio analysis – Meaning – Classification – Liquidity, solvency, turnover and profitability ratios – Dupont chart – Construction of balance sheet.

Unit - II

Fund flow statement – Meaning – Preparation – Schedule of changes in working capital – Funds from operation – Sources and applications – Cash flow statement – Meaning – Difference between fund flow statement and cash flow statement – Preparation of cash flow statement as per Accounting Standard 3.

Unit - III

Budget and Budgetary control – Meaning – Advantages – Preparation of sales, production, production cost, purchase, overhead cost, cash and flexible budgets - Standard costing – Meaning, Advantages and Limitations.

Unit - IV

Variance analysis – Significance - Computation of variances (Material and Labour variance only) - Marginal costing – CVP analysis – Break even analysis – BEP - Managerial applications – Margin of safety – Profit planning.

Unit - V

Capital Budgeting – Meaning – Importance – Appraisal methods – Payback period — Accounting rate of return - Discounted cash flow – Net present value – Profitability index – Internal rate of return.

Theory: 20% Problem: 80%

Text and Reference Books (Latest revised edition only)

1. Management accounting by S.N.Maheswari – Sultan Chand & sons publications, New Delhi
2. Management accounting by Sharma and Guptha, Kalyani Publishers, Chennai.
3. Management accounting by R.Ramachandran and R.Srinivasan – Sriram publication
4. Management accounting by A. Murthi and S. Gurusamy, Vijay Nicole Publications, Chennai.
5. Management Accounting by R.S.N.Pillai&V.Baghavathi – S.Chand& Co, Mumbai
6. Management accounting by Hingorani&Ramanathan – S.Chand& Co, New Delhi.

MAJOR BASED ELECTIVE – I

(A) ENTREPRENEURIAL DEVELOPMENT

Objectives:

To enable the students to understand the conceptual and applied knowledge about Entrepreneurship.

Unit – I

Entrepreneurship – Definition, Concept, Nature , Characteristics , functions , types and phases of EDP, Development of women and rural entrepreneurs – Women Council Scheme.

Unit – II

The start-up process, Project identification – selection of the project – project formulation and evaluation – feasibility analysis, Project Report.

Unit – III

Institutions in the development of entrepreneurs – DIC, SIDO, NSIC, MSMEDI – SSIC, SIDCO – ITCOT, IIC – KVIC.

Unit – IV

Institutional finance to entrepreneurs: IFCI, SFC, TIIC, LIC and GIC, SIPCOT – SIDBI – Commercial banks - Venture capital.

Unit – V

Incentives and subsidies – Subsidised services – seed capital assistance – Taxation benefit to SSI. Role of entrepreneur in export promotion and import substitution.

Text and Reference Books (Latest revised edition only)

1. Dynamics of Entrepreneurial Development by Vasant Desai – Himalaya Publishing House, New Delhi.
2. Entrepreneurship & Small Business Management by Dr.C.B. Gupta and Dr.S.S.Khanka- Sultan Chand & Sons, New Delhi.
3. Fundamentals of Entrepreneurship and Small Business by Renu Arora & S.KI.Sood – Kalyani Publishers, Chennai.
4. Entrepreneurial Development by Dr.S.S. Khanka – S.Chand& Co, New Delhi.
5. Entrepreneurial Development by Dr. P. Saravanel, Learntech Press Trichy.
6. Entrepreneurial Development by Dr.S.G. Bhanushali- Himalaya Publishing House, New Delhi

MAJOR BASED ELECTIVE – I (B) INTERNATIONAL MARKETING

Objective:

To provide the students theoretical aspects of international business.

Unit – I

International marketing – Importance – International Vs Domestic marketing.

International marketing environment. E business. Challenges in International marketing.

Unit – II

International Marketing – Planning process – social and cultural factors. Consumer Behaviour. Cross cultural Analysis. Social and cultural influences in B to B marketing.

International Marketing Research – Opportunity identification and analysis

Unit –III

International Marketing Mix – Developing global products – understanding market needs. Pricing – factors affecting pricing decisions – strategies – Challenges in pricing.

International Market segmentation.

Unit – IV

International Marketing information system. Global marketing strategies – Direct and Indirect exporting. Joint Venture. Direct investment.

Promotional activities in global markets – Advertising and Sales promotion.

Unit – V

International distribution management – challenges – selecting intermediaries.

Managing physical distribution of goods. CRM – importance. International communication – tools – developing profitable long term relationships.

Text and Reference Books (Latest revised edition only)

1. Adhikary, Manab, Global Business Management, Macmillan, New Delhi
2. Bhattacharya, B. Going International-Response Strategies for Indian Sector, Wheeter Publishing Co., New Delhi.
3. Black and Sundaram, International Business Environment, Prentice Hall of India, New Delhi

CORE COURSE – XIII

FINANCIAL MANAGEMENT

Objective:

To enable the students to know the principles and practices of managing finance.

Unit - I

Financial Management: Meaning and scope – Objectives: Profit maximization, Wealth maximization – Functions – Financial decisions – Time value of money: Present value and Compound value – Cost of capital – Cost of debt – Cost of preference share capital – Cost of equity – Cost of retained earnings – Weighted average cost of capital.

Unit - II

Capital structure – Meaning and features – Factors determining capital structure – EBIT-EPS relationship – Indifference point of EBIT – Theories of capital structure: Net income approach, Net operating income approach, MM approach and Traditional approach.

Unit - III

Leverage – Meaning, significance and types – Operating leverage - Financial leverage – Combined leverage – Dividend policy – Determinants of dividend policy – Theories: relevance and irrelevance with value of firm – Forms of dividend – Stock dividend – Bonus issue – Stable dividend.

Unit - IV

Working capital management – Determinants of working capital – Forecasting of working capital requirements – Cash management – Motives of holding cash – Stages in cash management: Cash planning, Collection and disbursement of cash, Optimum cash balance – Boumul model – Investment of surplus cash.

Unit - V

Receivables management – Objectives – Factors influencing size of receivables – Credit policy – Credit standard – Credit term – Collection policy – Incremental analysis – Inventory management – Meaning – Types of inventory – Purpose of holding inventory – Excess or inadequate inventory – EOQ – Levels of stock: reorder level, minimum level and maximum level – Techniques – ABC, VED, FSN and HML analysis.

Theory: 20%

Problem: 80%

Text and Reference Books (Latest revised edition only)

1. Elements of financial management by S.N.Maheswari – Sultan Chand & Sons., New Delhi
2. Financial Management by R.K.Sharma – Kalyani publishers, New Delhi
3. Financial Management by R.Ramachandran&R.Srinivasan – Sriram publication, Trichy
4. Theory and Problems of Financial management by Khan & Jain, McGraw Hill Publication, New Delhi
5. Financial Management by S.P.Guptha, SahityaBhavan Publication, New Delhi

CORE COURSE – XIV
INCOME TAX THEORY, LAW & PRACTICE

Objective:

To enable the students to know the provisions of income tax.

Unit- I

Basic concepts – Definition - previous year –assessment year – person, assessee, income, total income, casual income, capital and revenue - residential status and incidence of tax, incomes exempt under section 10.

Unit- II

Salary – Basis of charge – different forms of salary, allowances, perquisites and their valuation – deduction from salary –Computation of taxable salary.

Unit- III

House property – basis of charge – determination of annual value - GAV, NAV – income from let-out property – self occupied property – deductions-Computation of taxable income.

Unit- IV

Profits and gains of business and profession – basis of charge – methods of accounting – deductions – dis allowances, Computation of taxable income.

Unit - V

Capital gains – basis of charge – short and long term capital gains – indexed cost of acquisition and improvement – exemptions – chargeability of short and long term capital gains – computation of taxable capital gains. Income from other sources – interest on securities, etc. deduction under Sec 80C – Introduction to direct taxes code.

Theory: 25%

Problem: 75%

Text and Reference Books (Latest revised edition only)

1. Students Guide to Income Tax by Vinodh K. Singhania, Taxmann Publications, New Delhi
2. Income tax by T.T.Gaur&Narang, Kalyani publishers, Chennai.
3. Income Tax Law and Practice by A. Murthy – Vijay Nicole Imprints (P) Ltd, Chennai.
4. Income tax – Law & Practice by DinkarPagare – Sultan Chand & Sons, New Delhi.
5. Income tax by T.S.Reddy&Hari Prasad Reddy, MarghamPublications, Chennai.
6. Income tax by Bhagwati Prasad – Vishnu Prakasham publication, Chennai.

CORE COURSE – XV

FINANCIAL SERVICES

Objective:

To enable the students to know the nature and types of financial services.

Unit - I

Financial services – Meaning – Classification – Financial products and services – Challenges facing the financial service sector – Merchant banking– Meaning – Functions – SEBI Guidelines – Scope of merchant banking in India. NBFCs – RBI guidelines.

Unit - II

Hire purchase – Meaning – Features – Process – Hire purchase and credit sales – Hire purchase vs Instalment purchase – Banks and hire purchase business – Hire purchase and transport industry – Leasing – Concept – Steps involved in leasing – Lease vs Hire purchase – Types of lease – Problems and prospects of leasing in India.

Unit - III

Mutual funds – Meaning – Types – Functions – Advantages – Institutions involved – UTI, LIC, Commercial banks – Entry of private sector – Growth of mutual funds in India – SEBI Guidelines – AMC.

Unit - IV

Venture capital – Meaning – Features – Methods of venture capital financing – Modes of venture financing – Venture capital investment process – Factors determining venture investment – Exit mechanism – Advantages of venture capital – Issues of Indian venture capital industry.

Unit - V

Factoring – Concepts – Significance – Types – Factoring mechanism – Factoring vs bills discounting – Factoring in India – Forfaiting – Meaning – Forfaiting vs Export factoring – Problems of Forfaiting/ factoring.

Text and Reference Books (Latest revised edition only)

1. Financial markets & services by E.Gordon and K.Natarajan – Himalaya publishing house, New Delhi
2. Financial services by E.Dharmaraj – S.Chand & Co., New Delhi
3. Financial Services by S.Mohan and R.Elangovan – Deep and Deep Publications, New Delhi
4. Financial Services by S. Gurusamy – Vijay Nicole Imprints (P) Ltd, Chennai
5. Lease Financing and Hire Purchase by Vinod Kothari – Wadhaw and Co., Nagpur

MAJOR BASED ELECTIVE II

(A) HUMAN RESOURCE MANAGEMENT

Objective:

To enable the students to understand the concepts and principles of Human Resource Management.

Unit - I

Human Resource Management- Meaning and Definition-Objectives-Functions-Qualities and Changing role of Human Resource Managers-Meaning, Process, Advantages and Disadvantages of HRIS(Human Resource Information System).

Unit - II

Concept of Human Resource Planning-Characteristics-Steps in Human Resource Planning. Job Analysis- succession planning- Job Description and Job specification.

Unit - III

Definition- Objectives- Factors affecting Recruitment- Source of Recruitment- e-recruitment- Selection process- Types of Testing- Kinds of Employee Interview- Medical Screening-Appointment order.

Unit - IV

Definition and purposes of Training- Distinction between Training and Development- Assessing Training Needs- Steps in Training- On the Job and Off the Job Training- Evaluation of Training Effectiveness- Methods of executive development.

Unit - V

Definition and Objectives of Performance Appraisal –Steps in Appraisal- Traditional and Non traditional methods of Performance Appraisal- Pre-requisites of a Good Appraisal System- Defects in Performance Appraisal.

Text and Reference Books (Latest revised edition only)

1. Gupta C.B- Human Resource Management, Sultan Chand and Sons, New Delhi.
2. P G Aquinas-Human Resource Management Principles and Practice, Vikas Publication, New Delhi.
3. ChitraAtmaramNaik-Human Resource Management-Ane Publisher, New Delhi.
4. Memoria C.B- Personal Management, Himalayan Publications, New Delhi.

MAJOR BASED ELECTIVE II (B) SERVICE MARKETING

Objective:

To enable the students to know the principles and practices of marketing of Services

Unit -I

Meaning and Definition of Service – Classification of Services – Services Marketing Triangle – Significance of Services Marketing – Reasons for the Growth of the Services sector – The Service as a System.

Unit - II

Service product- Underlying Concepts – The Product Life-Cycle – New Service – Service Product Range – New Service Development (NSD) – New Service Product Features – Failure of new service Products – Achieving success in development of new service products – Service Product Elimination. Pricing for Services: Characteristics of Services and Prices – Price Terminologies – Understanding the costs of service incurred by customers – Understanding Value – Establishing monetary pricing objectives – Pricing relative to demand levels – Communicating Prices to the Target Markets – Additional Aspects of Service Pricing – Pricing strategy – Pricing and Marketing Strategy

Unit – III

Service Location- Flexibility – Classification by location – Accessibility through co-production – Service Channel Development – Methods of distributing Services – Innovations in Methods of Distributing Services –Inputs for location decisions – Basic Location Models. Promoting Services: – Promotional Objectives – Differences in Promoting Services – Selection Criteria – Developing the promotional mix – Guidelines for Improving the Promotion of Services – The role of sales promotion – Sales Promotion tools – Direct Marketing – Public Relations – The role of marketing communication – Target Audience – Branding services: Trends – Brand image development – Setting advertising objectives – Audience response – Guidelines for Service Advertising.

Unit – IV

Service Process- Introduction – Classification of Services Operating Systems – Policies and flowcharting – Balancing supply and demand – Change – Organisational Conflict in Service Systems – The Systems Concept in Services – Purchase Process – Process of vision – Facilitating process – Challenges for service managers – Breakthrough services – Process improvement – The Self – Reinforcing Service Cycle. Service Design -Design Methodology – The Service Design and management model – Overview of model stages – Blueprinting – Building a service blueprint – Benefits of service blueprinting – Service Mapping – Service Failures – Design elements – Quality function deployment.

Unit - V

Role of Service Mix – Health Care – Tourism – Hotel – Travel – Education – Insurance – Banking.

Text and Reference Books (Latest revised edition only)

1. Services Marketing and Management Chand & Company Pvt Ltd.
2. Services Marketing –VasantiVenugopal& Raghu M.M – Himalaya Publishing House, Mumbai
3. Services Marketing Text and Cases – Harsh Vivesma – Pearson Education, Delhi
4. Services Marketing (Concepts, Practices, Cases from Indian Environment – Dr.S.Shajahan – Himalaya Publishing House, Mumbai
5. Services Marketing – GovindApte – Oxford University Press, Delhi

MAJOR BASED ELECTIVE – III

(A) INSURANCE MANAGEMENT

Objective:

To make the students to understand the principles and practices of Insurance Management.

Unit - I

Introduction : Savings and investment schemes like shares, units, capital, markets, mutual funds, etc. vis - a -vis insurance; Tax benefits under insurance policies; Life cycle needs - including solutions, matching of the customer's needs and requirements to available products; Comparison between different products offered vis a vis chargeable premium, and coverage.

Unit - II

Computation of premiums/Bonus: Premium calculation -including rebates, modes, large-sum assured policies; Extra premium, under premium, Computation of benefits, Surrender value, Paid- up value.

Unit - III

Insurance Documents: Insurance documents, including proposal forms and other relevant forms; First premium receipt/renewal premium receipt; Policy contract; Endorsements; Renewal notice/bonus notices; other insurance documents related to receipt

Unit - IV

Life insurance Product - Traditional unit Linked Policies: Individual and group policies; with- profit and without profit policies; Different types of insurance products - Whole life products, interest sensitive products, term- assurance annuities, Endowment, Assurance.

Unit - V

Options and Guarantees- Group Insurance, pension plans, & health insurance.

Text and Reference Books (Latest revised edition only)

- 1 Mishra M.N: Insurance Principles and practice; S. Chand and co, New Delhi.
2. Periasamy P, Fundamentals of Insurance; Vijay Nicole Imprints (P) Ltd
3. Insurance Regulatory Development Act 1999 3 Life Insurance Corporation Act 1956.

MAJOR BASED ELECTIVE - III

(B) INVESTMENT MANAGEMENT

Objective:

To provide students to know and evaluate the various sources of investments.

Unit - I

Investment –Objective of investment-Investment Vs Speculation- Investment process- Sources of Investments.

Unit - II

Risk- Systematic and Unsystematic risk - risk and return, Capital and Revenue returns. (Theory Only)

Unit - III

Bank deposits- Post office saving schemes- Gold and silver- Real estate- Equity shares and Debts-Government Securities- Mutual Funds- Life Insurance and Tax savings Investments.

Unit - IV

Time Value of Money - Meaning- Current Money Vs Future Money- Present Value Interest Factor (PVIF) - Present Value Interest Factor Annuity (PVIFA) Future Value Interest Factor Annuity (FVIFA).

Unit - V

Primary Market Vs Secondary Market- Fundamental Analysis- Economic Analysis- Industry Analysis- Company Analysis.

Text and Reference Books (Latest revised edition only)

1. Natarajan.L -Investment Management, Margham Publishers, Chennai.
2. Prasanna Chandra -Investment Analysis and Portfolio Management, Tata McGraw-Hill Education, New Delhi.
3. Pandian Punithavathy - Security Analysis and Portfolio Management, Vikas Publishers, New Delhi.
4. Preetisingh- Investment Management- Himalaya Publishing House.



BHARATHIDASANUNIVERSITY, TIRUCHIRAPALLI-620024

M.Com–RevisedCourseStructureunderCBCS

(For the candidate admitted from the academic year 2016–2017 onwards)

(updated on 7-12-2017)

Semester	Course	Course Title	Ins. Hrs/ Week	Credit	Exam Hrs	Marks		Total
						Int	Ext	
I	CoreCourse-I(CC)	Managerial Economics	6	4	3	25	75	100
	CoreCourse-II(CC)	ServicesMarketing	6	4	3	25	75	100
	CoreCourse-III(CC)	CorporateLaws	6	4	3	25	75	100
	CoreCourse-IV(CC)	IncomeTaxTheory Law& Practice	6	4	3	25	75	100
	ElectiveCourse-I(EC)	a) Insurance Management(or) b) Retail Management	6	4	3	25	75	100
	Total			30	20			
II	CoreCourse-V(CC)	AdvancedFinancial Management	6	5	3	25	75	100
	CoreCourse-VI(CC)	Quantitative Techniquesfor BusinessDecisions	6	5	3	25	75	100
	CoreCourse-VII(CC)	HumanResources Management	6	5	3	25	75	100
	CoreCourse-VIII(CC)	Fundamentals of Information Technology (Theory&Practicals)	6	5	3	25	75	100
	ElectiveCourse-II(EC)	a) Organizational Behaviour(or) b) Advanced Managerial Communication	6	4	3	25	75	100
	Total			30	24			

III	CoreCourse–IX(CC)	TotalQuality Management	6	5	3	25	75	100
	CoreCourse–X(CC)	AdvancedCorporate Accounting	6	5	3	25	75	100
	CoreCourse–XI(CC)	Research Methodology	6	5	3	25	75	100
	CoreCourse–XII(CC)	Strategic Management	6	5	3	25	75	100
	ElectiveCourse–III(EC)	a) ExportMarketing (or) b) Brand Management	6	4	3	25	75	100
	Total			30	24			
IV	CoreCourse–XIII(CC)	Investment Management	5	5	3	25	75	100
	CoreCourse–XIV(CC)	AdvancedCost& Management Accounting	5	5	3	25	75	100
	ElectiveCourse-IV(EC)	a) E-Commerce(or) b) Customer Relationship Management	5	4	3	25	75	100
	ElectiveCourse-V(EC)	a) Project Management(or) b) Management Information System.	5	4	3	25	75	100
	Project	ProjectWork Dissertation (80 marks)Vivavoce(20 marks)	10	4				100
	Total			30	22			
GRANDTOTAL				90				2000

Note:

Project :100Marks

Dissertation : 80 Marks- Passing minimum 40 marks

VivaVoice :20Marks- Passingminimum10marks

CorePapers - 14

ElectivePapers - 5

Project - 1

Note:

1. Theory Internal 25marks External 75marks

2. SeparatePassingMinimumisprescribedforInternalandExternal

a) ThepassingminimumforCIAshallbe40%outof25marks(i.e.10 marks)

b) ThepassingminimumforUniversityExaminationsshallbe40%outof 75 marks (i.e. 30 marks)

c) ThePassingminimumnotlessthan50%intheaggregate

CORE COURSE - I
MANAGERIAL ECONOMICS

Objective : To make the students to realize the usefulness of economic tools, principles & laws in making business decisions.

UNIT I

Managerial Economics – Meaning, Nature, Scope and Application – Relationship with other discipline – Role of Managerial Economist – Demand Analysis – Demand Determinants – forecasting and techniques.

UNIT II

Production Function – Managerial use of production function – Supply analysis - Law of Supply – managerial uses of supply curve. Cost Concepts, classification & determinants – Cost Output relationship – Economies of scale – Cost Control and Cost Reduction.

UNIT III

Price and Output decisions under different marketing structures - Perfect competition, Monopoly, Oligopoly & Monopolistic Competition – Price discrimination – Pricing Objectives, policies, Strategies and methods - Price differentials – Price forecasting.

UNIT IV

Profit – Nature & Concept – Profit Planning, Policies and Forecasting – profit theories - Measurement of profit - Interest – Rent and theories.

UNIT V

Business Cycle and policies – Economic forecasting of business – Input Output Analysis – National Income - Accounting and Measurement.

Text and Reference Books (Latest revised edition only)

1. Joel Dean, Managerial Economics – Prentice Hall, New York.
2. Mehta P.L. – Managerial Economics – Sultan Chand and Sons, New Delhi.
3. Varshney and Maheswari - Managerial Economics - Sultan Chand and Sons, New Delhi.
4. Gupta G.S. – Managerial Economics – Tata McGraw Hill, New Delhi.
5. Mithani D.M. – Managerial Economics – Himalaya Publishing House, Mumbai.
6. Dwivedi D.N. - Managerial Economics - Vikas Publishing House P.Ltd, New Delhi.
7. Cauvery, Sudha Nayak and Others - Managerial Economics - S. Chand and Sons, New Delhi.
8. H. Craig Petersen, W. Cris Lewis, Managerial Economics, 4th Edition, Pearson Education.

CORE COURSE – II

SERVICES MARKETING

Objective: To enable students to gain expert knowledge on marketing of various services.

UNIT I

Services Marketing – Definition – importance – characteristics of services – Growth of Services Marketing – Types of services – Comparative analysis between services and products.

UNIT II

Concepts of services marketing – Societal concept – Buyer behaviour concept – Factors influencing buyer behaviour – Decision making process. Delivering Quality Service- TQM in services marketing - Quality standards - process and technological requirements to implement Quality Standards in services marketing.

UNIT III

Services Marketing Mix – Product Strategy – Product Life Cycle concept – Strategies during the Product Life Cycle – Product Planning Strategy – Development of new products – Diversification and elimination.

UNIT IV

Bank Marketing – Insurance Marketing – Transport Marketing.

UNIT V

Tourism and Hotel Marketing – Education Marketing – Communication Services Marketing – Health services.

Text and Reference Books: (Latest revised edition only)

1. S.M.Jha, Services Marketing, Himalaya Publishing House, Mumbai.
2. M.Y.Khan, Services Marketing, Tata McGraw Hill, New Delhi.
3. C.B.Memoria & R.K.Suri, Marketing Management, Kitab Mahal,
4. Kotler- Marketing Management, Sultan Chand & Sons, New Delhi.
5. Cowell.- Marketing of Services, Heinemann Publishers, London.
6. Christopher Lovelock, Jochen Wirtz & Jayanta Chatterjee – Service Marketing People, Technology, Strategy. Pearson Education.

CORE COURSE –III

CORPORATE LAWS

Objective: To make the students understand the legal framework with reference to Companies in India.

UNIT I

Provisions of Companies Act 1956 relating to Company Administration – Board of Directors – Managing Director – Provisions relating to various types of meetings. Latest amendments in Companies Act, 2013 relating to company administration and governance.

UNIT II

Industries (Development and Regulation) Act, 1951 - object – Definitions – Central Advisory Council – Development Council – Regulation of Scheduled Industries – Registration and Licensing – Investigation and takeover of Management of Industrial undertakings of Central Government – Effect of Central Government's order – Management and control of undertakings owned by companies in liquidation – Power to provide relief measures – power to exempt special cases – penalties.

UNIT III

Foreign Exchange Management Act, 1999 – Definitions – Regulation and Management of Foreign Exchange – Authorized person – contravention and penalties – adjudication and penalties – Directorate of Enforcement.

UNIT IV

The Essential Commodities Act, 1955 – Powers of Central Government to Control, effect, seizure and confiscation – Consumer Protection Act 1986 – Definition – Consumer Protection Council – Consumer Disputes Redressal Agencies – District Forum – State Commission – National Commission.

UNIT V

Water (Prevention and Control of Pollution) Act, 1974 - Definition – functions and powers of various Boards – Compliance regarding discharges causing pollution, Penalties and Offences – Air (Prevention and Control of Pollution) Act, 1981 - Definition – Functions and powers of various Boards – Duties of occupier of specified industries to ensure adherence to standard offences by companies.

Text and Reference Books: (Latest revised edition only)

1. Bar Act of all relevant Legislations.
2. Corporate Laws and Secretarial Practice – Sultan Chand and Sons, New Delhi.
3. N.D. Kapoor, Dr. G.K. Kapoor Corporate Laws and Secretarial Practice, Premier Book Company, New Delhi.
4. Tejpal Sheth, Corporate Laws, Taxman Publication, Mumbai.
5. U.K. Chandhary, Economic Legislation – Law & Practice, Sultan Chand & Sons, New Delhi.
6. S.S. Gulshan and G.K. Kapoor, Economic and other Legislations Sultan Chand & Sons, New Delhi.

CORECOURSE-IV

INCOMETAXTHEORYLAWANDPRACTICE

Objective: To acquaint Students to know the latest Income Tax Law and enable them to file Income Tax Returns.

UNIT I

Income Tax Act – Definition – Income – Agriculture Income – Assessee – Previous year – Assessment year – Residential Status – Scope of Total Income – Capital and Revenue – Receipts and Expenditure – Exempted Incomes.

UNIT II

Computation of Income from Salaries and Income from House Property.

UNIT III

Computation of Profits and Gains of Business or Profession – Computation of Capital Gain - Computation of Income from other sources.

UNIT IV

Set-off and Carry Forward of Losses – Deduction from Gross Total Income – Computation of Tax Liability.

UNIT V

Income Tax Authorities – Procedure for Assessment – Tax Deducted at Source (TDS) – Assessment of Individuals, Hindu Undivided Family, Partnership Firms and Companies.

Note: Theory 25 Marks: Problems - 50 Marks

Text and Reference Books: (Latest revised edition only)

1. Gaur & Narang, "Income Tax Law & Practice", DP Kalyani Publishers, New Delhi.
2. Dingar Pagare, "Tax Laws", S. Chand & Sons, New Delhi.
3. Vinod K. Singhanian, "Direct Taxes", Taxmann's Publications, New Delhi.
4. T.S. Reddy & Hari Prasad Reddy, "Income Tax Theory, Law & Practice", Margham Publications, Chennai.
5. Government of India, Income Tax Manual
6. Dr. H.C. Mehrotra - Income Tax Law and Practice, Sahitya Bhavan Publications, Uttar Pradesh.
7. Dr. Bhagawathi Prasad - Law & Practice of Income Tax India, Vishwa Prakashan Publishers, Delhi.
8. Murthy, Income Tax - vijay Nicole, Chennai

ELECTIVE COURSE-I

(A) INSURANCE MANAGEMENT

Objective: To impart knowledge on the theory of insurance and to educate the process of insurance activities in India.

UNIT I

Insurance-Definition-Nature-Principles-Role-Importance- Types of Insurance & Insurance Organization. Insurance Contract. Privatization of Insurance in India - Major Players in Insurance Business- Impact of Privatization of insurance in India

UNIT II

Life Insurance- Nature - Classification of Policies - Annuities - Selection of Risk - Measurement of Risk - Mortality Table - Calculation of Premium - Surrender Value - Cover Note - Policy Conditions - Progress of Life Insurance Business in India.

UNIT III

Fire Insurance - Nature - Fire Insurance Contract - Kinds of Policies - Policy Conditions - Payment of Claims - Reinsurance - Double Insurance.

UNIT IV

Marine Insurance - Nature - Policies - Policy Conditions - Premium Calculation - Marine Losses - Payment of Claims - Progress of Marine Insurance Business in India.

UNIT V

General Insurance - Motor Insurance - Burglary and Personal Accident Insurance - Miscellaneous Forms of Insurance - Employee Liability Insurance - Property Insurance - Cattle Insurance - Crop Insurance - Medi-Claim - Overseas Medi-Claim Policy - Rural Insurance in India. Insurance Regulatory and Development Authority Act, 1972 - IRDA Regulations 2000.

Text and Reference Books: (Latest revised edition only)

1. Dr.P.K.Gupta-Insurance and Risk Management-Himalaya Publishing House, Mumbai.
2. Nalini Prava Tripathy and Pabir Pai-Insurance, Theory and Practice-Prentice Hall, New York.
3. M.N.Mishra-Insurance Principles and Practices-S.Chand & Sons, New Delhi
4. Mark S.Dorfman-Introduction to Risk Management and Insurance-Prentice Hall, New York.
5. IRDA 1999.

ELECTIVE COURSE-I

(B) RETAIL MANAGEMENT

Objective : To gain an in-depth knowledge about Retail Management.

UNIT I

Retailing-Definition-Concept-Characteristics-Traditional and non-Traditional retailing - Applications of information technology in retail management - E - Retailing

UNIT II

Global trend in retailing - Indian retail industry - Drivers to the growth of retail - Macro and micro environmental influences - Creativity in retailing - Emerging trends and challenges - FDI in retailing - Rural retailing.

UNIT III

Retail formats - types - Choice of location - Store layout and designs - Positioning of retail shops - Retail store image - Retail service quality Management - Retail Administration: Store Management, HRM, Information systems.

UNIT IV

Merchandise management - Service retailing Vs. Product retailing - Retail branding - Pricing for retail - Promotion - Supply chain and logistics - handling returns - Retail marketing strategies - Retail Communications - Mall Management

UNIT V

Shopping process - Influences of shoppers' attitude, perception, personality and life style in retail shopping behaviour - Handling complaints - Delivering value to retail shoppers - CRM in retailing - Retail research

Text and Reference Books: (Latest revised edition only)

1. Barry Berman, Joel R. Evans, "Retail Management - A Strategic Approach," Prentice Hall, New York.
2. James R. Ogden, Denise J. Ogden, "Integrated Retail Management," Biztantra Publisher, New Delhi.
3. Swapana Pradhan, "Retailing Management, Text & Cases," Tata McGraw Hill Publications, New Delhi.
4. "Retail Management - A Strategic Approach," Barry Berman and Joel R. Evans, Prentice Hall of India.
5. "Integrated Retail Management" - James R. Ogden and Denise J. Ogden - Biztantra Publisher, New Delhi.

**CORE COURSE - VADVANCED
FINANCIAL MANAGEMENT**

Objective :To enable the students understand concepts and application of financial management tools.

UNIT I

Financial Management: Meaning, nature and scope of finance; financial goal – Profit Vs Wealth Maximisation; Finance functions – investment, financing and dividend decisions.

UNIT II

Fundamental valuation concepts: - Time value of money – Compound value, Present value; Risk and Return – concept, Risk in a portfolio context, Relationship between Risk and Return. Valuation of Securities – Valuation concept – Bond Valuation – Valuation of Preference shares, Equity valuation – Dividend valuation approach, Earnings capitalisation approach and Ratio approach.

UNIT III

Cost of capital: Meaning and Significance of cost of capital; calculation of cost of debt, preference capital, equity capital and retained earnings; combined cost of capital (weighted). Financial Leverage: Meaning, Measurement of leverages; Effect of Operating and Financial Leverage on Profit; Analysing alternate financial plans; combined financial and operating leverages.

UNIT IV

Planning the Capital Structure – Factors influencing capital structure; EBIT-EP Analysis, Return on Investment Analysis, Cash flow analysis, capital structure policies – Theories. Dividend policy - Factors determining dividend pay-out, Forms of dividend; stability in dividend policy; corporate dividend behaviour

UNIT V

Management of working capital:- Meaning, Significance and Types of working capital; calculating operating cycle period and estimation of working capital requirements; sources of working capital; Management of cash, receivables and inventory.

Note: Theory: 25 Marks: Problems: 50 Marks

Text and Reference Books (Latest revised edition only)

1. I.M. Pandey, Financial Management, Vikas Publishing House Pvt Ltd, New Delhi.
2. Prasanna Chandra, Financial Management, Theory and Practice, Tata McGraw-Hill Publishing Company Ltd, New Delhi.
3. M.Y. Khan & P.K. Jain, Financial Management, Text and Problems, Tata McGraw-Hill Publishing Company Ltd, New Delhi.
4. P.V. Kulkarni & B.G. Sathyaprasad, Financial Management – Himalaya Publishing House, Mumbai.
5. S.N. Maheswari, “Financial Management principles and practice,” Sultan Chand & Sons, New Delhi.
6. James C. Van Horne & John M. Wachowicz, Jr. Fundamentals of Financial Management - PHI Learning Private Limited, New Delhi.
7. Srinivasan, Financial Management, Vijay Nicole, Chennai

CORE COURSE VI
QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS

Objective: To acquaint the students with the Statistical tools and techniques for managerial decisions.

UNIT I:

Meaning of Quantitative Techniques – Role of Quantitative Techniques – Advantages and Limitations of Quantitative Techniques – Correlation Analysis – Simple – Partial and Multiple – Regression Analysis – Time Series.

UNIT II:

Probability – Problems applying Addition and Multiplication Theorem – Mathematical Expectations – Theoretical Distributions – Binomial – Poisson – Normal Distribution.

UNIT III:

Significance Tests in Small Samples (t test) – Testing the significance of the mean of a random sample – Testing difference between means of two samples (Independent and Dependent Samples) – Chi-square test – Analysis of Variance (One way and two way classification).

UNIT IV:

Linear Programming – Graphical Method – Simplex Method – Transportation Problems – Initial Basic Feasible Solution – Modi Method – Assignment Problems.

UNIT V:

Interpolation and Extrapolation – Methods of Interpolation – Binomial Expansion Method – Newton's Method – Lagrange's Method – Parabolic Curve Method – Extrapolation – Vital Statistics – Life Tables.

Note: Theory 25 Marks: Problems 50 Marks

****EQUAL IMPORTANCE TO BE GIVEN TO ALL UNITS***

Text and Reference Books (Latest revised edition only)

1. S.P. Gupta, Statistical Methods- Sultan Chand & Sons, New Delhi – 600 002.
2. S. Gurusamy, Operations Research, Vijay Nicole Imprints Pvt. Ltd, Chennai
3. D. Joseph Anbarasu, Business Statistics – Vijay Nicole Imprints Pvt. Ltd., Chennai.
4. C.R. Kothari, Quantitative Techniques – Vikas Publishing House, New Delhi.
5. Levin, Richard I. and David S. Rubin: Statistics for Management, Prentice Hall, Delhi.
6. Hooda, R.P.: Statistics for Business and Economics, Macmillan 3rd edition, New Delhi.
7. Hein, L.W.: Quantitative Approach to Managerial Decisions, Prentice Hall, Delhi

CORECOURSEVII HUMANRESOURCEMANAGEMENT

Objective : To impart knowledge on the concepts and principles of HRM followed in different types of organization.

UNITI

Human Resource Management- Meaning - Nature and Scope, Objectives - Functions -DistinctionbetweenHRMandPersonnel Management. Personnel Policies: Procedure and Programmes. Organization of HRM Department- Needs - Recent Trends in HRM Practices - Personnel Audit- Human Resource Information System- need and benefits.

UNITII

ManPowerPlanning-Characteristics:Need,Process-JobAnalysis-JobDescription-JobSpecification-JobDesign-JobEvaluation Methods - Merits andDemerits -Job Enrichment-Job Enlargement -Re-Engineering - Recruitment - Sources - Selection- Selection Procedure, - Interviews - Placement - Induction

UNITIII

Training-Meaning,Need-SelectionofTrainees-MethodsofTraining - Evaluation of Training - Management Development Programmes- Methods.- Promotion - Types, Merits- Demotions; Carrier Planning - Transfers

UNITIV

Performance Appraisal - Purpose- Factors Affecting Performance Appraisal - CriteriaforPerformanceAppraisal-Performance Appraisal Techniques - Limitation of Appraisal Methods. Quality of Work Life - Issues in Quality of Work Life- MeasuringQWL - Workers Participation in Management.

UNITY

Grievance - Meaning, Causes of Grievance- Grievance Redressal Procedure-CollectiveBargaining-Meaning-levels-methods-pre-requisites-Benefits.

Text and Reference Books (Latest revised edition only)

1. Pravin Durai, Human Resource Management, 2nd Edition, Pearson Education, New Delhi
2. Dr. Ashwathappa, Human Resource Management, McGraw Hill Education (India) Pvt. Limited, New Delhi.
3. Edwin Phillip, Personnel Management - Tata McGraw Hill, Delhi.
4. L.M. Prasad, Human Resources Management, Jain Book Agency, New Delhi.
5. Dale Yoder & Paul D. Staudohar, Personnel Management, Prentice Hall.
6. S.S. Khanka, Human Resource Management, S.Chand & Sons, New Delhi.
7. Gary Dessler, "Human Resource Management", Seventh edition, Prentice-Hall of India P.Ltd., Pearson.
8. H. John Bernardin & Joyee E.A. Russel, Human Resource Management - An experiential approach, 4th Edition, McGraw-Hill International Edition., 2007
9. David A. DeCenzo & Stephen P. Robbins, Personnel/Human Resource Management, Third edition, PHI/Pearson.
10. VSP Roa, Human Resource Management: Text and cases, First edition, Excel Books, New Delhi.

CORE COURSE VIII

FUNDAMENTALS OF INFORMATION TECHNOLOGY

Internal Assessment: Theory – 15 Marks; Practical – 10 Marks

University Examinations : Theory-45Marks; Practical -30 Marks.

Examination Duration: Theory 2 Hours; Practical 2 Hours

Objective : To enable the students to acquire knowledge in computers, Information Technology and to develop skills in Computerized Accounting System both theory and in practical.

(Theory & Practical)

(Theory 45 Marks)

UNIT I

Introduction to Computers – Classification of Computers – Generations of Computer – Memory Units – Auxiliary Storage Devices – Input and Output Devices – Computer Software – Operating System – Programming Languages.

UNIT II

Fundamentals of Computerized Accounting – Computerized Accounting Vs Manual Accounting – Procedure for Creating a new company – Groups Creation – Ledger Creation.

UNIT III

Vouchers creations – Payment voucher – Receipts voucher – Sales voucher – Purchase voucher – Journal voucher – Contra voucher.

(PRACTICAL – 30 Marks) UNIT

IV

Creation of a new company – Groups Creation – Multiple Groups and Single Groups – Creation of ledgers – Multiple Ledgers and Single Ledgers.

UNIT V

Vouchers creations – Voucher entry – Payment vouchers – Receipt vouchers – Sales vouchers – Purchase vouchers – Journal voucher and Contra vouchers.

Text and Reference Books (Latest revised edition only)

1. Dr. S.V. Srinivasa Vallabhan - Computer Applications in Business, Sultan Chand, New Delhi
2. Alexis Leon and Mathews Leon by Fundamentals of Information Technology. Vikas Publishing Company, New Delhi
3. Deepak Bharihoke, Fundamentals of Information Technology, Excel Publications, New Delhi.

ELECTIVE COURSE-II

(A) – ORGANISATIONAL BEHAVIOUR

Objectives : To make the students understand the basics of individual behaviour and group behaviour of people at work and enable them to gain knowledge relating to overall development of the organization.

UNIT I

Organisational Behaviour – Meaning – Characteristics – Disciplines contributing to OB – Relationship with other Social Sciences – Approaches to OB – Hawthorne Experiments.

UNIT II

Perception: Process – Factors influencing perception - Distortion in Perception – Learning: Theories of Learning – Attitudes: Factors influencing Attitude.

UNIT III

Personality: Theories of Personality – Determinants – Types - Emotional Intelligence – Features - Group Dynamics: Formal and Informal Groups – Group Cohesiveness – Stress Management: Causes and Effects of Stress – Coping strategies for stress.

UNIT IV

Leadership: Theories and styles – Motivation – Theories of Motivation – Communication – Conflict Management: Role Conflict – Goal Conflict and inter personal conflict

UNIT V

Organisation change – Process – Causes of resistance to change and Overcoming resistance to change – Organisation Development – OD Process and Techniques – Organisation Culture – Factors influencing organisation culture – Organisational Effectiveness – Process and factors influencing organizational effectiveness.

Text and Reference Books

1. L.M.Prasad – Organisational Behaviour – Sultan Chand & Sons, Delhi.
2. K.Aswhathappa – Essentials of Organisational Behaviour, **McGraw Hill, Delhi.**
3. Fred Luthans, Organisation Behaviour, McGraw Hill, Delhi
4. Hell Riegel, Slocum and Woodman, Organisation Behaviour, South Western, Thomson Learning, 9th Edition,
5. R.S.Dwivedi, Human Relations and Organizational Behaviour, Mc Millan India Ltd., 5th Edition.
6. Stephen P. Robbins, Organizational Behaviour, 9th Edition, Pearson Education, New Delhi,
7. P.Subba Rao, Essentials of Human Resource Management and Industrial Relations, Himalaya Publishing House.
8. P.C. Tripathi, Personnel Management and Industrial Relations, Sultan Chand & Sons.
9. B.S.Bhatia and G.S.Batra Human Resource Management – Deep & Deep Publications.

ELECTIVE COURSE-II
(B) ADVANCED MANAGERIAL COMMUNICATION

Objective : To impart knowledge on the theory of communication and to educate the communication techniques used in business organisations.

UNIT I

Managerial Communication - Concept- Evolution and Growth- Functions - Principles - Objectives - Communication as Management Tool, Process - Social Process. Exploring the Nature of Human Communication Process - Oral Communication - Written Communication - Filtering and Distortion of Message- Perception of Interpersonal Communication.

UNIT II

Communication Process - Self Confidence - Essentials for Effective Communication - Barriers- Measures to Overcome Barriers - Group Communication, Net Work- Wheel Pattern - Y-Pattern- Chain Pattern- Cycle Pattern and Free Flow pattern.

UNIT III

Non Verbal Communication - Kinesics, Para-language, Proxemics, Signals. Listening- Importance, Process- Types - Barriers to Effective Listening- Steps in Better Listening.

UNIT IV

Business Correspondence - Importance - Functions - Characteristics - Structure of Business Letters - Common Errors in Letter Writing - Types of Business Letters.

UNIT V

Group Communication - Group and Team Interactions - Team Briefing - Introduction - Process - Sample - Benefits - Format - Prerequisites for Successful Briefing - Internal Communication - Memos /Circulars/Notes. Company Meetings - Agenda - Minutes.

Text and Reference Books: (Latest revised edition only)

1. C.S. Raydu, Media & Communication Management, Himalaya Publishing House, Mumbai.
2. Wofford, E. Gerloff, Organizational Communication,
3. Berlo, David, Process of Communication,
4. Iillico, T. Michael, Managerial Communication,
5. Sunder & Kamaraj, Business Communication.
6. Ramachandran K. K Business Communication.

CORECOURSE-IX TOTAL

QUALITY MANAGEMENT

Objective : To makethestudentsunderstandtherecentconceptsof total quality management and their importance in both manufacturing and service organisation.

UNIT I

Introduction to Quality Control - Quality and Cost Considerations - Statistics and its Applications in Quality Control

UNIT II

Sampling Inspection in Engineering Manufacture - Statistical Quality Control by the Use of Control Charts - Methods of Inspection and Quality Appraisal - Reliability Engineering - Value Engineering and Value Analysis

UNIT III

Theory of Sampling Inspection - Standard Tolerance - ABC Analysis - Defect Diagnosis and Prevention

UNIT IV

Quality Improvement: Recent Technique for Quality Improvement - Zero Defect - Quality Motivation Techniques - Quality Management System and Total Quality Control

UNITY

Selection of ISO Model and Implementation of ISO 9000 - Human Resource Development and Quality Circles - Environmental Management System and Total Quality Control

Note: Only Theory

Book References

1. Dahlgaard Jens J., Kristensen K., Kanji Gopal K, "Fundamentals of Total Quality Management", Bross Chapman & Hall, London
2. George, Stephen and Weimerskirch, Arnold, "Total Quality Management - Strategies and Techniques Proven", Mohit Publications
3. Hakes, Chris (editor), "Total Quality Management: The Key to Business Success", NY: Chapman and Hall
4. Fox, Roy, "Making Quality Happen. Six Steps to Total Quality Management", McGraw-Hill
4. Srinivasa Gupta and Valarmathy, Vijay Nicole Imprints Pvt Ltd., Chennai
5. Jain, "Quality Control And Total Quality Management", Tata McGraw Hill
6. Lal H, "Total Quality Management: A Practical Approach", New Age International Private Ltd
7. Rao, Ashok, "Total Quality Management: A Cross Functional Perspective", Wiley & Sons

CORE COURSE – X

ADVANCED CORPORATE ACCOUNTING

Objective : To enable the students to understand the detailed concepts of corporate accounting methods from different types of companies.

UNIT I

Valuation of Goodwill and Shares – Liquidation – Inflation Accounting.

UNIT II

Amalgamation by merger and Amalgamation by purchases - External Reconstruction of Companies and alteration of Share Capital .

UNIT III

Holding Company Accounts (including intercompany holdings) - Bank Accounts New format – NPA – Classification of investments.

UNIT IV

Insurance Company Accounts (new format) – Double Account System.

UNIT V

Human Resource Accounting – Definition, Objectives, and Valuation Methods – Advantages – Accounting Standards, with reference to depreciation, inventory valuation. (Theory only) – Inflation Accounting – (Theory only).

Note: *Theory 25 Marks: Problems 50 Marks*

BOOKS FOR REFERENCE:

1. M.C. Shukla, T.S. Grewal & S.C. Gupta – Advanced Accountancy - II
2. S.P. Jain and K.L. Narang – Advanced Accountancy
3. Dr R Palaniappan & Dr N Hariharan, Corporate Accounting, Vijay Nicole Imprints Pvt. Ltd., Chennai
4. R.L. Gupta and M.L. Radhaswamy – Advanced Accountancy
5. Mukherjee and Hanif – Modern Accountancy – II
6. Reddy & Murthy – Advanced Accounts

CORECOURSE–XI

RESEARCH METHODOLOGY (Theory only)

Objective : To make the students understand the research process and the methods of presenting report.

UNIT I

Research in Management: An Introduction – Definition, meaning and nature – Scope and objects of Research. Types of Research : Experimental Research – Survey Research – Case Study methods – Ex Post Facto Research.

UNIT II

Research Design – Defining Research Problem and Formulation of Hypothesis – Experimental Designs.

UNIT III

Research Process – Steps in the process of Research, Data Collection and Measurement: Sources of Secondary data – Methods of Primary data collection – Questionnaire construction – Attitude measurement and Scales – Sampling and Sampling Designs – Philosophy and Pre-testing.

UNIT IV

Data presentation and Analysis – Data Processing – Methods of Statistical analysis and interpretation of Data – Testing of Hypothesis and theory of inference.

UNIT V

Report writing and presentation – steps in Report writing - types of reports – Substance of Reports – Format of Reports – Presentation of a Report - Documentation - Foot Note - Bibliography.

BOOKS FOR REFERENCE:

1. V.P. Michael: Research Methodology in Management, Kitab Mohan Publications, Alahabad.
2. C.R. Kothari: Research Methodology, Wiley Eastern Ltd, New Delhi
3. P. Saravanavel, Research Methodology, Kitab Mahal, Allahabad.
4. O.R. Krishnaswami: Methodology of Research in Social Science
5. D. Amarchand: Research Methods in Commerce.
6. R. Prabhu & T Raju – Research Methods in Management – Vijay Nicole Imprints Pvt. Ltd., Chennai

CORE COURSE – XII
STRATEGIC MANAGEMENT

Objective : To make an understanding the concepts and application of strategic management techniques

UNIT I

Strategic Management – Definition – Scope – Benefits – Risks – Approaches – Models – Strategic change – Strategic Leadership and Decision making.

UNIT II

Situation Analysis – SWOT Analysis – Environmental Scanning and Industry analysis – Forecasting – Internal Scanning – Mission – objectives – Stakeholder Theory – Cyert and March's Behavioural Theory – Objectives of Non-Profit Organizations – Social Responsibility and Business Ethics.

UNIT III

Strategy Formulation – Business Strategy – Corporate Strategy – Diversion Strategy – Portfolio Analysis – BCG Growth /Share matrix – Strategic choice – Development of policies – Strategic Alliances.

UNIT IV

Strategy Implementation – Organization for action – Staffing – Strategic leadership – MBO – Total Quality Management – Functional Strategies – Growth Strategies – Diversification, Acquisition and Joint Venture – Recovery – Recession and Divestments Strategies – Management Burnout.

UNIT V

Strategic Control and Evaluation – Establishing Strategic control – premise control – Implementation control – Strategic Surveillance – Special Alert Control – Evaluation Techniques – Managing change – Strategic issues in Managing Technology and Innovation – Strategic Effectiveness.

BOOKS FOR REFERENCE:

1. Strategic Management – Strategy Formulation and Implementation – John A. Pearce II, Richard B. Robinson Jr. (A.I.T.B.S. Publishers – J-5,6, Krishnan Nagar, Delhi – 110051).
2. Strategic Management – Awareness and change – John L. Thompson (Cheapman & Hall 32 Second Main Road CITE East, Chennai – 35).
3. Strategic Management – J. David Hunger and Thomas L. Wheelen (Addison – Wesley Longman) (Available at Higginbotham's Ltd., Chennai).
4. Strategic Management – Gregory G. Dess and Alex Miller.
5. Strategic Management – An Integrated Approach – W.L. Charles and John Gareth,
6. International & Strategic Management – R.N. Srivastava.
7. Strategic Planning for Corporate Success – V.S. Ramaswamy and S. Nanakumari.

ELECTIVE COURSE – III

(A) EXPORT MARKETING

Objective : To create awareness on the concepts of export and export marketing procedures

UNIT I

Export Marketing - Introduction - Meaning – objectives – scope – Need and importance of export trade – Distinction between internal trade and international trade – Problems faced by exporters.

UNIT II

Features and Functions of export marketing – Sources of market information – Product planning – Quality control – Export pricing – Export marketing channels – Strategy formulation.

UNIT III

Steps involved in export – Confirmation of order – Production of goods – Shipment – Negotiation – Documents used for export – Commercial documents – Regulatory documents – ISO Certificate.

UNIT IV

Export Policy and Promotion: EXIM Policy – Regulation of export trade – Organisations for promoting export – incentives and assistance – Export Houses – Trading Houses.

UNIT V

Institutions engaged in financing export – ECGC – EXIM Bank – Organisations promoting export – Commodity Board – EPC – STC – MMTC.

BOOKS FOR REFERENCE:

1. Export Marketing – Balagopal, T.A.S., Himalaya Publishing House.
2. Export Marketing – Rathor, B.S., and Rathor, J.S., HPH.
3. International Trade and Export Management – Francis Cherunilam.

ELECTIVE COURSE-III

(B) BRAND MANAGEMENT

Objective: To create an awareness on the concepts and valuation of brand image

UNIT I

Brand- concept – Evolution, perspectives, anatomy, types of brand names, brand name associations, Brands Vs Products, Advantages of Brands to consumers & firms. Brand elements: Components & choosing brand elements, Branding challenges & opportunities.

UNIT II

Brand positioning – Basic concepts – alternatives – risks – Brands & consumers – Strategies for positioning the brand for competitive advantage – Points of parity – Points of difference – Buying decision perspectives on consumer behaviour, Building a strong brand – Method & implications.

UNIT III

Brand Image, image dimensions, brand associations & image, Brand identity – perspectives, levels, and prisms. Managing Brand image – stages – functional, symbolic & experiential brands. Brand Equity – Sources of Equity. Brand Equity models, Brand audits. Brand Loyalty & cult brands.

UNIT IV

Leveraging Brands – Brand extensions, extendibility, merits & demerits, Line extensions, line trap – Co-branding & Licensing Brands. Reinforcing and Revitalisation of Brands – need, methods, Brand Architecture – product, line, range, umbrella & source endorsed brands. Brand Portfolio Management.

UNIT V

Brand valuation – Methods of valuation, implications for buying & selling brands. Applications – Branding industrial products, services and Retailers – Building Brand online. Indianisation of Foreign brands & taking Indian brands global – Issues & Challenges.

Reference:

1. Kevin Lane Keller, Strategic Brand Management, PHI/Pearson, New Delhi.
2. Kapferer, Strategic Brand Management, Kogan Page, New Delhi.
3. Harsh Varma, Brand Management, Excell Books, New Delhi.
4. Majumdar, Product Management in India, PHI.
5. Sengupta, Brand Positioning, Tata McGraw Hill.
6. Ramesh Kumar, Managing Indian Brands, Vikas.
7. Chandrasekar, Product Management, Himalaya.
8. A Anandan & Prasanna Mohan Raj – Brand Management – Vijay Nicole Imprints Pvt. Ltd., Chennai

CORE COURSE – XIII
INVESTMENT MANAGEMENT

Objective: To make the student to understand the investment opportunities and portfolio management

UNIT I

Investment Management - Nature and scope - Objectives - Process - Investment Media Security and Non-security forms of Investment - gilt edged securities - Sources of Investment information.

UNIT II

New Issues Market - Methods of Issuing - Parties involved in the new issue market - Secondary market - Stock Exchanges - NSE and BSE - Trading mechanism - online trading - SEBI and Investors production.

UNIT III

Security Analysis - Approaches - Fundamental Analysis - Technical Analysis - Dow Theory - Random Walk Theory - Efficient Market Hypothesis.

UNIT IV

Portfolio Analysis - Traditional and Modern approach - Rationale of Diversification of Investments - Markovitz theory - Sharpe Index Model - Capital Asset Pricing Model.

UNIT V

Investment companies in India - Types Mutual Fund Operations in India - UTI - SEBI and RBI Guidelines for Mutual Funds.

Note: Theory only

BOOKS FOR REFERENCE:

1. Punithavathy Pandian: Security Analysis and Portfolio Management (Vikas Publishing House)
2. Dr S Gurusamy - Security Analysis & Portfolio Management - Vijay Nicole Imprints Pvt Ltd, Chennai.
3. Gupta L.C.: Return of Equities - The Indian Experience (New Delhi OXFORD).
4. Bhalla V.K.: Investment Management and Portfolio Management (S.Chand & Co. Delhi).
5. Fisher & Jordon: Security Analysis and Portfolio Management.
6. Preeti Singh: Security Analysis (Himalaya Publishing House).
7. Avadhani V.A.: Investment and Securities Markets in India.
8. SEBI: Guidelines 1992.
9. Jackdark Francis Investment: Analysis and Management (McGraw Hill 1990).
10. Gara. K.L.: Stock Exchanges in India.

CORE COURSE – XIV
ADVANCED COST & MANAGEMENT ACCOUNTING

Objective: To create knowledge on various aspects of the branches of cost and management accounting techniques.

UNIT I

Cost Accounting – meaning – objectives – Nature and Scope – methods of costing – techniques of costing – classification and coding of costs – inventory control – stock levels – inventory systems – methods of pricing material issues.

UNIT II

Labour costs – Direct and indirect – importance – Remuneration method – labour performance reports – labour turnover and stability – Overheads – Importance – allocation and apportionment of overheads – overhead cost control

UNIT III

Process costing – normal and abnormal loss and gains – equivalent production – joint product and by product – contract costing.

UNIT IV

Management Accounting – Nature & Scope – Tools and Techniques – Ratio analysis – marginal costing – cost-volume profit analysis – Break-even analysis – utility and limitations of cost volume profit analysis – Financial and profit planning – objectives.

UNIT V

Budget administration – types of budget – advantages – budgeting and budgetary control – Standard Costing, Material, Labour and Overhead variances.

Note: Theory 30 Marks: Problems 45 Marks

BOOKS FOR REFERENCE:

1. S.P. Jain and Narang, Cost accounting and management accounting, Kalyani publications
2. M.N. Arora, "Cost and Management Accounting", 8th Edition, Vikas Publishing House (P) Ltd.
3. Hilton, Maher and Selto, "Cost Management", 2nd Edition, Tata McGraw-Hill Publishing Company Ltd.
4. B.M. Lall Nigam and I.C. Jain, "Cost Accounting", Prentice-Hall of India (P) Ltd.
5. Dr. A. Murthy & Dr. S. Gurusamy – Cost & Management Accounting, Vijay Nicole Imprints Pvt. Ltd., Chennai

ELECTIVECOURSE-IV

(A) E-COMMERCE

Objective: To educate the importance and usage electronic knowledge in the field of commerce.

UNIT I

Introduction to E-Commerce – Electronic Commerce Framework – Electronic commerce and Media convergence – The anatomy of E-Commerce Applications – Components of the I-way – Network Access Equipment – Global Information Distribution Networks – Internet Terminology – NSFNET : Architecture and Components - National Research and Educational Network.

UNIT II

Electronic Commerce and World Wide Web: Architectural Framework for E- – WWW Architecture – Hypertext Publishing – Consumer Oriented Applications – Mercantile Process Models – Consumer's Perspective – Merchant's Perspective – Electronic Payment Systems (EPS) – Types - Designing EPS - Smart Cards and EPS – Credit Cards and EPS.

UNIT III

Electronic Data Interchange (EDI) : Applications – Security and Privacy Issues – Software Implementations – Value Added Networks – Internal Information System – Work-flow Automation and Coordination – Customization – Supply Chain Management.

UNIT IV

Marketing on the Internet: Advertising on the Internet – Chatting the On-Line Marketing Process – E-Commerce Catalogs or Directories – Information Filtering – Consumer-Data Interface: Emerging Tools.

UNIT V

Multimedia and Digital Video: Concepts – Digital Video and E-Commerce – Video Conferencing – Frame Relay – Cell Relay – Mobile Computing - Framework – Wireless Delivery Technology – Cellular - Data Communication Protocols.

Books for Reference:

1. Frontiers of Electronic Commerce - Ravi Kalakota, Andrew Winston
2. E-Commerce - A Managerial perspective - P.T. Joseph
3. Designing Systems for Internet Commerce - G. Winfield Treese & Lawrence C. Stewart
4. E-Commerce The Cutting Edge of Business - Kamelesh K Bajaj, Debjani Nag
5. E-Business Road Map for Success - Dr. Ravi Kalakota, Marcia Robinson
6. E-Commerce - Srinivasa Vallabhan. S.V, Vijay Nicole Imprints pvt. Ltd., Chennai

ELECTIVECOURSE-IV

(B) CUSTOMERRELATIONSHIPMANAGEMENT

Objective: To facilitate the students to understand the process of CRM, implementation of CRM strategies and customisation of services

UNIT I

Introduction and Significance - CRM Emerging Concepts; Need for CRM; CRM Applications; CRM Decisions; The Myth of Customer Satisfaction; CRM Model; Understanding Principles of Customer Relationship; Relationship Building Strategies; Building Customer Relationship Management by Customer Retention; Stages of Retention; Sequences in Retention Process; Understanding Strategies to Prevent Defection and Recover Customers.

UNIT II

CRM Process: Introduction and Objectives - an Insight into CRM and e-CRM/online CRM; The CRM cycle - Assessment Phase; Planning Phase; The Executive Phase; Modules in CRM, 4C's of CRM Process; CRM Process for Marketing Organization; CRM Affiliation in Retailing Sector; Key e-CRM features.

UNIT III

CRM Architecture: IT Tools in CRM; Data Warehousing - Integrating Data from different phases with Data Warehousing Technology; Data Mining: - Learning from Information Using Data Mining Technology like OLAP etc.; Understanding of Data Mining Process; Use of Modelling Tools; Benefits of CRM Architecture in Sales & Productivity; Relationship Marketing and Customer Care, CRM Over Internet.

UNIT IV

CRM Implementation: Choosing the right CRM Solution; Framework for Implementing CRM: a Step-by-Step Process: Five Phases of CRM Projects

UNIT V

Development of Customizations; Beta Test and Data Import; Train and Retain; Roll out and System Hand-off; Support, System Optimization and Follow-up; Client/Server CRM Model; Use of CRM in Call Centers using Computer Telephony Integration (CTI); CTI Functionality; Integration of CRM with ERP System. Case Studies

Reference Books:

1. Mohammed, H. Peeru and A. Sagadevan (2004). Customer Relationship Management. Vikas Publishing House, Delhi.
2. Paul Greenberg (2005). CRM - Essential Customer Strategies for the 21st Century. Tata McGraw Hill.
3. William, G. Zikmund, Raymond McLeod Jr.; Faye W. Gilbert (2003). Customer Relationships Management. Wiley.
4. Alex Berson, Stephen Smith, Kurt Thearling (2004). Building Data Mining Applications for CRM. Tata McGraw Hill

ELECTIVE COURSE-V

(A) PROJECT MANAGEMENT

Objective: To impart knowledge on the formation of projects to implementation of projects

UNIT I

Project – Meaning – Nature – Types of project and project life cycle – Project management – Nature and scope of project management – Project management as a profession – Role of project manager.

UNIT II

Project Identification and Formation: Project environment – Identification of investment opportunities – Projects screening – Feasibility study – Project selection – Project formulation – Stages in project formulation – Project report preparation – Planning Commission's guidelines for project formulation.

UNIT III

Project Appraisal: Objectives, essentials of project methodology – Market appraisal – Technical appraisal – Financial appraisal – Socio – economic appraisal – Management appraisal.

UNIT IV

Project Planning and Scheduling : Objectives – Process or Planning Components or good planning – Project designing and project scheduling and time estimation – Scheduling to match availability of man power and release of funds – Cost and time.

UNIT V

Project Execution and Administration – Project contracting: Contract pricing, types – Project organisation: Forms of organisation – Project direction – Project communication – Project co ordination – Factors influencing effective project management – project time monitoring and cost monitoring – Project overruns. Project Control: Control techniques – PERT, CPM – Project audit.

Recommended Textbook

1. For Unit II and IV Total project Management The Indian context by PK. Joy – Mac millan India Ltd.,
2. For UNIT I and V Project Management – by R. Panneerselvam and P. Senthilkumar PHILearning India PVT Ltd.,
3. Project Management By Bhavesh. M Patel, Vikas Publishing House PVT Ltd.,
4. Project Management By S. Choudhury Tata Mcgraw Hill Co.
5. Project Management India Edition By CIDOIClements, Cengage learning.

ELECTIVE COURSE-V
B) MANAGEMENT INFORMATION SYSTEM

Objective : To enable the students understand the concept Management Information system and implementation.

UNIT-I Introduction To Business Systems:

Need for IS in Business – fundamentals of IS – System concepts – Components of IS – IS resources Activities – Overview of IS – Operation Support Systems, Management Support Systems, Other Classification – System approach to Problem solving – Global business scenario – trends in technology and applications.

UNIT-II Information Systems for Business Operations:

Business Information Systems – Marketing Information Systems – Manufacturing Information Systems – Human Resource Information Systems – Accounting Information Systems, Financial Information Systems – Transaction Processing System.

UNIT- III Information Systems for Managerial Decision Support: Management

Information & Decision Support Systems – Management Information Systems – Expert Systems – Examples, Executive Information Systems – Artificial Intelligence Technologies.

UNIT-IV Information Systems for Strategic Advantage:

Strategic roles of IS – Breaking Business Barriers – Reengineering Business Processes Improving Business Quality – Creating Virtual Company – Building knowledge Creating Company – Using Internet Strategically – Challenges of Strategic IS – Enterprise – wide systems and E-Business applications. Internet and GST :Online Registration and filing of returns.

UNIT-V Managing Information Systems:

Enterprise Management – Information Resource Management – Strategic Management, Operational Management – Resource Management Technology Management – Distributed Management. Organizing Planning – IS planning methodologies – Critical Success Factors – Business Systems Planning – Computer Aided Planning Tools. Security & Ethical Challenges; IS controls – Facility Controls – Procedural Controls – Computer Crime – Privacy Issues.

Recommended Textbooks

1. Information Systems Today, By Leonard Jessup and Joseph VALACICH INDIAN Edition, PHI learning PVT Ltd.,
2. Management Information System, MAzam, Vijay Nicole Imprints Pvt. Ltd., Chennai-91.
3. Management Information System, By EFFOZ, Indian Edition, Cengage learning.
4. Management of Information systems by S.A. Kelkar, PHI learning PVT Ltd.,
5. Management Information Systems Indian Edition, Gordon B. Davis and Margrethe H. Olson, Tata Mcgraw Hill.
6. Introduction to Information Systems by Alexis Leon and Mathews Leon Tata Mcgrawhill Co.
7. India GST for Beginners 2nd Edition, by Jayaram Hiregange & Deepak Rao, White Falcone Publishing.

PROJECT

PROJECT(DISSERTATIONANDVIVA-VOCE)

OBJECTIVE:

To facilitate the students to understand the Business enterprises systematically and present the research report as per the acceptable format.

The project topics are to be finalised to the students at the end of the second semester with a time schedule to carryout various stages of work. During the semester vocation, the data Collection may be commenced. The theme selected by each student for the Dissertation should be related to variousproblemsandissuespertainingtoCommerce.Eachcandidate should submit two copies of dissertation as per the guidelines to theController of Examination and one copy to the department concerned. The project will be evaluated for 100 marks (ie. 80 marks for Dissertation work and 20 marks for Viva-Voce) by Internal (Supervisor) and ExternalExaminers.TheaverageoftheMarksoftheInternalExaminers (Supervisors) and External Examiners shall be considered as the final markstobeawardedforproject.ThepassingminimumforDissertationis40 marks and viva voce examination is 10 marks.



BHARATHIDASANUNIVERSITY, TIRUCHIRAPPALLI-620024

B.Com (Bank Management) Syllabus under CBCS

(Applicable to the candidates admitted from the academic year 2016-2017 onwards)

updated on 7-12-2017

Sem	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total
						Int.	Ext.	
I	I	Language Course–I(LC)– Tamil*/Other Languages+#	6	3	3	25	75	100
	II	English Language Course-I(ELC)	6	3	3	25	75	100
	III	Core Course–I (CC) Principles of Accountancy	6	5	3	25	75	100
		Core Course–II(CC) Indian Financial System	6	5	3	25	75	100
		Allied Course–I(AC) Business Management	4	3	3	25	75	100
	IV	Value Education	2	2	3	25	75	100
	Total			30	21			
II	I	Language Course–II(LC)-Tamil*/Other Languages+#	6	3	3	25	75	100
	II	English Language Course–II (ELC)	6	3	3	25	75	100
	III	Core Course–III(CC) Business Tools for decision making	6	5	3	25	75	100
		Core Course–IV (CC) Banking Theory Law & Practice	6	5	3	25	75	100
		Allied Course–II(AC) Business Economics	4	3	3	25	75	100
		Environmental Studies	2	2	3	25	75	100
Total			30	21				600
III	I	Language Course–III(LC) Tamil*/Other Languages+#	6	3	3	25	75	100
	II	English Language Course-III(ELC)	6	3	3	25	75	100
	III	Core Course–V(CC) Financial Accounting	6	5	3	25	75	100
		Core Course–VI (CC) Co-Operative Banking	6	5	3	25	75	100
		Allied Course–III(AC) Business Law	4	3	3	25	75	100
	IV	Non Major Elective I–for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10th+2 but opt for other languages in degree programme A) Banking Practices(or) B) Indian Banking System	2	2	3	25	75	100
	Total			30	21			

IV	I	LanguageCourse–IV(LC) Tamil*/OtherLanguages+#	6	3	3	25	75	100
	II	EnglishLanguageCourse–IV(ELC)	6	3	3	25	75	100
	III	CoreCourse–VII(CC) – CreditManagement	5	5	3	25	75	100
		CoreCourse-VIII(CC)- ServicesMarketing	5	5	3	25	75	100
		AlliedCourse–IV(AC) Business Communication	4	3	3	25	75	100
	IV	NonMajorElectiveII–forthosewhostudied Tamil under Part I a) BasicTamilforotherlanguagestudents b) SpecialTamilforthosewhostudiedTamil upto 10 th +2 but opt for other languages in degree programme A) RuralBanking(or) B) ElementsofInsurance	2	2	3	25	75	100
	V	SkillBasedElectiveI	2	2	3	25	75	100
	Total	30	23				700	
V	III	CoreCourse–IX (CC) CorporateAccounting	5	5	3	25	75	100
		CoreCourse –X(CC) E – Banking	5	5	3	25	75	100
		Core Course– XI (CC)ComputerApplicationsandBa nks Theory-60marks;(UE:45;IA:15) Practical40marks;(UE:30;IA:10) *Theory2hours&Practical2 hours	5	5	*4	25	75	100
		Core Course– XII(CC) ManagementAccounting	5	5	3	25	75	100
		MajorBasedElective–I A) EntrepreneurialDevelopment(or) B) InternationalMarketing	4	3	3	25	75	100
		IV	SkillBasedElective–II	2	2	3	25	75
	IV	SkillBasedElective–III	2	2	3	25	75	100
		SoftSkillsDevelopment	2	2	3	25	75	100
	Total	30	29				800	
VI	III	CoreCourse–X III(CC) Financial Management	6	5	3	25	75	100
		CoreCourse–XIV (CC) IncomeTaxTheoryLaw& Practice	6	5	3	25	75	100
		CoreCourse–XV(CC) Financial Services	6	5	3	25	75	100
		MajorBasedElectiveII A) ForeignExchangeManagement (or) B) InvestmentBanking	5	4	3	25	75	100
		MajorBasedElectiveIII A) InsuranceManagement(or) B) DevelopmentBanking	6	4	3	25	75	100
	V	ExtensionActivities		1	-	-	-	-
		Gender Studies	1	1	3	25	75	100
	Total	30	25				600	

		Grand Total	180	140	-	-	-	3900
LanguagePart–I	-	4						
EnglishPart–II	-	4						
CorePapers	-	15						
AlliedPapers	-	4						
Non-MajorElective	-	2						
SkillBasedElective	-	3						
MajorBasedElective	-	3						
EnvironmentalStudies	-	1						
ValueEducation	-	1						
SoftSkillDevelopment	-	1						
GenderStudies	-	1						
ExtensionActivities	-	1(1Creditorly)						

*forthosewhostudiedTamilupto10th+2(RegularStream)
+SyllabusforotherLanguageshouldbeonparwithTamilatDegreelevel

#thosewhostudiedTamilupto10th+2butoptforotherlanguagesinDegreelevelunderPart I should study special Tamil in Part IV

**ExtensionActivitiesshallbeoutsideinstructionhours

NonMajorElectiveI&II–forthosewhostudiedTamilunderPartI

- a) BasicTamilI&IIforotherlanguagestudents
- b) SpecialTamil I& IIforthosewhostudiedTamilupto10thor+2butoptforotherlanguagesin degree programme

Note:

1. **Theory** Internal 25marks External 75marks

2. Theory & Practical:

Internal Assessment: Theory – 15 Marks;Practicals–10Marks.

UniversityExamination :Theory-45Marks ; Practicals -30 Marks

SeparatepassingminimumisprescribedforInternalandExternal

Passing Minimum

A candidate shall be declared to have passed in each course if he / she secures not less than 40 % marks out of 75 marks (i.e., 30 marks) in the University Examination (UE) and 40% out of 25 marks (i.e., 10 marks) in the Internal Assessment.(CIA)

CORE COURSE - I
PRINCIPLES OF ACCOUNTANCY

Objectives: To understand the basic principles of accounts and its applications in Business.
(Theory & Problem)

Unit I:

Introduction–Accounting concepts and conventions–Accounting Standards–Meaning
-Double entry system–Journal, Ledger, Subsidiary books, Trial Balance–Bank Reconciliation Statement.

Unit II:

Final Accounts of sole traders with adjustment entries–Rectification of Errors.

Unit III

Accounts of Non-profit organization–Bills of exchange–Averaged due date–Account Current.

Unit IV

Consignments and Joint Ventures.

Unit V:

Single Entry System. Depreciation–Methods, provisions and reserves.

(Theory 25% Problems 75%)

Text and Reference Books (Latest revised edition only)

1. R.L.Gupta and Others, "Advanced Accountancy," Sultan Chand Sons, New Delhi
2. S.P.Jain and K.L.Narang, "Advanced Accounting," Kalyani Publishers, New Delhi
3. RSN.Pillai, Bagavathi S.Uma, "Advanced Accounting," S.Chand & Co, New Delhi.
4. M.C.Shukla, "Advanced Accounts," S.Chand and Co., New Delhi.
5. Mukerjee and Haneef, "Advanced Accountancy," Tata McGraw Hill, New Delhi.
6. Arulanandam, "Advanced Accountancy," Himalaya Publication, Mumbai.
7. S.Manikandan & R.Rakesh Sankar, "Financial Accounting," Scitech Publications Pvt Ltd, Chennai. Volume I & II.
8. T.S.Reddy & Dr.A.Murthy, "Financial Accounting," Margham Publications, Chennai

EMPLOYABILITY SKILLS

CORE COURSE – II
INDIAN FINANCIAL SYSTEM

Objective: To learn about the Indian Financial System and to understand the role and development of Banks in India.
(Theory Only)

UNIT I:

Financial System: Meaning, significance and components - Composition of Indian financial system. Indian money market – Indian capital market.

UNIT II:

Reserve Bank of India: Organization; Management; Functions – credit creation and credit control; Monetary policy.

UNIT III:

Commercial Banks: Meaning; Functions; Management and investment policies of commercial banks; Recent trends in Indian commercial banks.

UNIT IV:

All India Development Banks: Concept, objectives, and functions of various all India Development Banks; Operational and promotional activities of all India Development Banks – UTI.

UNIT V:

State Level Development Banks: Objectives, functions and role of state level banks; State financial corporations; Development banks in industrial financing.

Text and Reference Books (Latest revised edition only)

1. Bhole, L.M. “**Financial Markets and Institutions**” Tata McGraw-Hill Publishing Company, New Delhi.
2. Khan, M.Y., “**Indian Financial System: Theory and practice**”, Vikas Publishing House, New Delhi
3. Chandra, Prasanna, “**Financial Management: Theory and Practice**”, Tata McGraw Hill, New Delhi.
4. Sharma, G.L. and Singh, Y.P. (eds.) “**Contemporary Issues in Finance and Taxation**”, Academic Foundation, Delhi.
5. Kapila, Raj and Kapila, Uma, “**Banking and Financial Sector Reforms in India**”, Academic Foundations, Delhi.
6. Saunders, Antony, “**Financial Institutions Management a Modern Perspective**”, Irwin Publications, McGraw Hill Co., New York.
7. Madura, Jeff, “**Financial Markets and Institutions**”, West Publishing Co., New York.
8. Srivastava, R.M., “**Management of India Financial Institutions**”, Himalaya Publishing House, Mumbai.

PAPERS REGARDING SOCIETY

ALLIED COURSE –I
BUSINESSMANAGEMENT

Objective: To impart knowledge on the concepts and principles of Management and application of practices in various organisation.

(Theory only)

UNIT I

Management – Definition, nature, scope, functions and Level of Management - Art, Science and Profession - functions of Managers - Development of management thought – Contribution by F.W. Taylor, Henry Fayol and others.

UNIT II

Planning – Classification – Objectives – characteristics - Steps - process - types - Methods - advantages - limitations, Decision making – Policies.

UNIT III

Organisation and Structure – Types – Supervision and Span of Control - Departmentation – Organisation charts – Authority and Responsibility - Delegation and Decentralisation.

UNIT IV

Motivation - types - Theories – Maslow, Herzberg, McGregor, and others. Communication - Principles - types and barriers of communication.

UNIT V

Leadership – functions - styles - theories. Co-ordination – features – types and techniques. Control - process - effective control system - Techniques of control.

Text and Reference Books (Latest revised edition only)

1. Dinkar Pagare, “**Principles of Management**,” Sultan Chand & Sons New Delhi.
2. K. Sundar, “**Principles of Management**,” Vijay Nicole Imprints Private Limited, Chennai.
3. Drucker Peter F, Butterworth Heinemann, “**Management Challenges**,” Oxford.
4. Wehrich and Koontz, et. al, “**Essentials of Management**,” Tata-McGraw Hill, New Delhi.
5. Fred Luthans, “**Organizational Behaviour**,” McGraw Hill, New York.
6. Louis A. Allen, “**Management and Organisation**,” McGraw Hill, Tokyo.
7. Hampton, David R, “**Modern Management**,” McGraw Hill, New York.
8. Stoner and Free, “**Management**,” Prentice-Hall, New Delhi.
9. Prasad. L.M, “**Principles & Practice of Management**,” Sultan Chand & Sons, New Delhi.

PAPERS REGARDING SOCIETY

CORECOURSE-III

BUSINESS TOOLS FOR DECISION MAKING (Theory&Problem)

Unit I:

Introduction – Meaning, Characteristics, Stages and Uses of Statistics – Classification and Tabulation – Diagrams and graphs – Bar and pie diagrams – Graphs of one and two variables – Graphs of frequency distribution - Measure of central tendency – Arithmetic mean, Median, Mode, Geometric Mean and Harmonic mean.

Unit II:

Measures of Dispersion – Range – Quartiles – Deciles – Quartile deviation – Mean deviation – Standard deviation – Co-efficient of variation - Measurement of Skewness (Karl Pearson & Bowley methods only)

Unit III:

Correlation – Simple correlation – Karl Pearson's coefficient of correlation – Spearman's rank correlation – Concurrent deviation method - Regression analysis – Simple regression – Regression equations 'X on Y' and 'Y on X'.

Unit IV:

Analysis of Time series – Components – Methods – Semi average – Moving average - Method of least square – Interpolation – Meaning, Uses, Assumptions – Newton's method only.

Unit V:

Index numbers – Price index numbers – unweighted and weighted – Tests in index numbers (Time and factor reversal tests only) - Cost of living index number – Aggregate expenditure method – Family budget method.
(Problem 80% and Theory 20%)

Text and Reference Books (Latest revised edition only)

1. S.P. Gupta "Elements of Statistics" Sultan Chand & Sons, New Delhi
2. S.L. Aggarwal and S.L. Bharadwaj, "Tools and Decision making" Kalyani Publishers, New Delhi.
3. P.A. Navanitham, "Business Statistics" Jai Publications, Trichy
4. S.K. Kappor "Elements of Practical Statistics" Oxford and IBHP Publishing Company, Mumbai

PAPERS REGARDING SOCIETY

CORE COURSE-IV

BANKING THEORY LAW AND PRACTICE

Objectives: To impart knowledge on the theory and practice of Banking and to understand the process of Banking activities.
(Theory only)

Unit I:

Definition of the term banker and customer – General relationship – special relationship – main functions and subsidiary services rendered by banker – agency services and general utility services.

Unit II:

Operations of Bank Accounts – Fixed Deposits – Fixed Deposit Receipt and its implications – Savings Bank accounts – Current accounts – Recurring Deposit accounts – New Deposit savings schemes introduced by Banks – Super Savings Package – Cash Certificate, Annuity Deposit – Reinvestment plans – Perennial Premium plan – Non Resident (External) accounts Scheme.

Unit III:

Types of Customers – Account holders – Procedure for opening and closing of accounts of Customers – particulars of individuals including Minor, illiterate persons – Married women – Lunatics – Drunkards – Joint Stock Companies – Non-Trading Associations – Registered and Unregistered Clubs – Societies, Attorney-Executive and administration – Charitable institutions – trustees – Liquidators – Receivers – Local authorities – steps to be taken by banker in the event of death, Lunacy, Bankruptcy – winding up Garnishee Order.

Unit IV:

Paying and collecting bankers – rights, responsibilities and duties of paying and collecting banker – precautions to be taken in payment and collection of cheques – protection provided to them – nature of protection and conditions to get protection – payment in due course – recovery of money paid at mistake.

Unit V:

Pass book and Issue of duplicate pass book – cheques – Definition of a cheque – requisites of a cheque – drawing of a cheque – types of cheque – alteration – marking – crossing – different forms of crossing and their significance – Endorsement loss of cheques in transit – legal effect. Modern Banking, Banking practice – e banking – Internet banking – Mobile banking – ATMS – Cash Machine – EFT (Electronic Fund Transfer) – RTGs, NEFT, MICR.

Text and Reference Books (Latest revised edition only)

1. Sundaram and Varshney, "Banking Theory, Law & Practice" Sultan Chand Company, New Delhi
2. S.M. Sundaram "Banking Theory, Law & Practice" Sri Meenaksi Publications, Karaikudi
3. M. Kumar, Srinivasa, "Banking" New Central Book Agency
4. M.S. Ramasamy, "Tanna's Banking Law & Practice in India" Sultan Chand Company, New Delhi.
5. E. Gordon and N. Natarajan "Banking Theory, Law & Practice" Himalaya Publication.
6. B. Santhanam, "Banking Theory, Law & Practice" Margham Publications, Chennai.

PAPERS REGARDING SOCIETY

ALLIEDCOURSEII

BUSINESS ECONOMICS

OBJECTIVE: To understand the concepts and application of economic tools in business.
(Theory only)

UNIT-I

Business Economics – definition - Scope and Nature Art or Science – Concepts – relationship with other disciplines -Micro and Macro Economics relating to business.

UNIT-II

Demand Analysis-Demand Schedule-Law of Demand-Demand curves-Elasticity of Demand- Demand forecasting - Indifference curve analysis-Marginal rate of substitution – Consumer's equilibrium.

UNIT-III

Production function-Factors of production - Isoquant analysis -scale of production- economies of large scale production and limitations.

UNIT-IV

Supply-supply schedule-Law of supply-Supply curve-Elasticity of supply. Market structure- Equilibrium of firm and industry- Optimum firm. Meaning and characteristics of perfect, monopoly, duopoly oligopoly and monopolistic markets. Pricing under Perfect & Monopolistic competition

Unit V

National Income- concept – Measurement – inequalities of income – Fiscal policy method. Public Finance – Definition – Scope - importance.

Text and Reference Books (Latest revised edition only)

1. S.Sankaran, "Business Economics" Margam Publications, Chennai.
2. Misra and Puri, "Business Economics" Himalaya Publications, Mumbai
3. Mithani D.M., "Business Economics", Himalaya Publications, Mumbai
4. K.P.M.Sundharam and Sundharam, "Business Economics" Sultan Chand & Co., New Delhi.
5. P.Ravilochanan, "Business Economics" Ess Pee Kay Publishing House
6. P.N.Reddy and Appannaiah, "Business Economics" S.Chand & Co., Chennai.
7. T.Aryamala, "Business Economics" Vijay Nicole Imprints Private Limited, Chennai

PAPERS REGARDING SOCIETY

PROFESSIONAL ENGLISH FOR COMMERCE –I

OBJECTIVES:

- To develop the language skills of students by offering adequate practice in professional contexts.
- To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students
- To focus on developing students' knowledge of domain specific registers and the required language skills.
- To develop strategic competence that will help in efficient communication
- To sharpen students' critical thinking skills and make students culturally aware of the target situation.

LEARNING OUTCOMES:

- Recognise their own ability to improve their own competence in using the language
- Use language for speaking with confidence in an intelligible and acceptable manner
- Understand the importance of reading for life
- Read independently unfamiliar texts with comprehension
- Understand the importance of writing in academic life
- Write simple sentences without

committing error of spelling or grammar (Outcomes

based on guidelines in UGC LOCF – Generic Elective)

UNIT 1: COMMUNICATION

1. **Listening:** Listening to instructions

2. **Speaking:** Telephone etiquette and Official phone

conversations 3. **Readings** short passages (3 passages selected from Commerce and Management) 5. **Writing:** Letters and Emails in professional context

6. **Grammar in Context:**

- Wh and yes/no,
- Q tags
- Imperatives

7. **Vocabulary in Context:** Word formation-

- i) Creating antonyms using Prefixes

ii) Intensifying prefixes (E.g inflammable)

Changing words using suffixes

A) Noun Endings

B) Adjective Endings

C) Verb Endings

UNIT 2: DESCRIPTION

Listening – Listening to process description

Speaking – Roleplay

Formal: With faculty and mentors in academic environment, workplace communication

Informal: With peers in academic environment, workplace communication

Reading – Reading passages on trade/commerce/management

Writing – Writing sentence definitions (e.g. ledger) and extended definitions (e.g. accountancy)

Picture Description – Description of fashion and beauty products (a small write-up promoting the product / an objective review of the product in 150 to 200 words).

Grammar in Context: Connectives and linkers.

Vocabulary – Synonyms (register) – Compare & contrast expressions.

UNIT 3: NEGOTIATION STRATEGIES

Listening – Listening to interviews of specialists/inventors in fields (Subject specific)

Speaking – Brainstorming. (mind mapping). Small group discussions (subject-specific)

Reading – Longer Reading text. (Comprehensive passages)

Writing – Essay Writing (250 word essay on topics related to subject area, like recording business transactions)

Grammar in Context: Active voice & Passive voice – If conditional –

Vocabulary: – Collocations

– Phrasal verbs

UNIT 4: PRESENTATION SKILLS

Listening – Listening to presentation. Listening to lectures. Watching documentaries (discovery/ history channel)

Speaking – Short speech

– Making formal presentations (PPT)

Reading – Reading a written speech by eminent personalities in the relevant field

/ Short poems / Short biography.

Writing – Writing Recommendations

Interpreting visuals-charts / tables/flow diagrams/charts

Grammar in Context–Modals

Vocabulary(register) -Single words substitution

UNIT 5: CRITICAL THINKING SKILLS

Listening-Listening to advertisements/news and brief documentary films (with subtitles)

Speaking–Simple problems and suggesting solutions.

Reading: Motivational stories on Professional Competence, Professional Ethics and Life Skills
(subject-specific)

Writing Studying problem and finding solutions- (Essay in 200 words)

Grammar-Makes simple sentences

Vocabulary-Fixed expressions

SUGGESTED ACTIVITIES

UNIT 1

Listening: Links for formal conversation can be given- Gap filling exercises– Multiple Choice questions
– Making notes.

Speaking- Role play activity

Reading– Note making. Note-Taking.

Writing: Guided Writing (developing hints) Email

Grammar: Vocabulary– Worksheets – Games.

UNIT 2

Listening-

Process Descriptions (like recording business transactions in chronological order in the journal/ a process from the field of logistics)

Speaking–Role Play

Reading– Multiple choice questions- Evaluative answers– Classifying and labeling

Writing- Picture description – Description of fashion and beauty products (a small write-up promoting the product/ an objective review of the product in 150 to 200 words).

Vocabulary: Expansion of compound nouns

UNIT 3

Listening-Gap fill exercises– Listening comprehension

Speaking-Debates

Reading-Readingcomprehension

Writing– EssayWriting

Grammar&Vocabulary:Activities,Worksheets&Games.

UNIT4

Listening-Notetaking(oflistening&viewingitems)-Fillingatablebasedonthelisteningitem.

Speaking–JAM,Presentations.(PPT-subjectrelated)

Reading-Reading comprehension

Writing– Difference between recommendations and

instructionsQuestions/MCQsbasedon

graphs/flowdiagrams/charts

Grammar&Vocabulary:Activities,Worksheets&Games.

UNIT5

Listening–RadioNews/ TV-Newstelecast/

Speaking- Watch or listen to documentaries and ask questionsReading- Reading

motivational stories (success stories in subject area)Writing -Essaywriting.

Grammar&Vocabulary:Activities,Worksheets&Games

EMPLOYABILITY SKILLS



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI-620024

ENVIRONMENTAL STUDIES – Syllabus

Unit:1 The Multidisciplinary nature of environmental studies
Definition, scope and importance. (2
lectures) Need for public awareness

Unit:2 Natural Resources:
Renewable and non-renewable resources:
Natural resources and associated problems.

a) Forest resources: use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effect on forests and tribal people.

b) Water resources: Use and over-utilization of surface and groundwater, floods, drought, conflicts over water, dams benefits and problems.

c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, waterlogging, salinity, case studies.

e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies.

f) Land resources: Land as a resource, land degradation, man induced Landslides, soil erosion and desertification.

- Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.
-

(8 lectures)

Unit:3 Ecosystems

- Concept of an ecosystem.
- Structure and function of an ecosystem. Producers, consumers and decomposers
- Energy flow in the ecosystem
- Ecological succession.
- Food chains, food webs and ecological pyramids
- Introduction, types, characteristic features, structure and function of the following ecosystem:-

- a. Forestecosystem
- b. Grasslandecosystem
- c. Desertecosystem
- d. Aquaticecosystems,(ponds,streams,lakes,rivers,oceans,estuaries)

(6lectures)

Unit:4 Biodiversityanditsconservation

- Introduction – Definition : Genetic, species and ecosystem
- diversityBiogeographicalclassification ofIndia
- Valueofbiodiversity:
 - consumptiveuse,productiveuse,social,ethical,aestheticand option
 - values
- Biodiversityatglobal,NationalandlocallevelsInd
- ia as a mega-diversitynation
- Hot-spotsof biodiversity
- Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlifeconflicts.
- Endangeredandendemic speciesof India
- Conservation of biodiversity: In-situ and Ex-situ conservation ofbiodiversity.

(8lectures)

Unit:5 EnvironmentalPollution

Definition

Causes,effectsand controlmeasuresof:

- a. AirPollution
- b. WaterPollution
- c. SoilPollution
- d. MarinePollution
- e. Noisepollution
- f. ThermalPollution
- g. Nuclearhazards

- SolidwasteManagement:Causes,effectsandcontrolmeasuresofurbanandindustrial wastes.
- Role of an individual in prevention of pollutionPollutioncasestudies
- Disastermanagement:floods,earthquake,cycloneandlandslides.
- Ill-EffectsofFireworks: FireworkandCelebrations,HealthHazards, TypesofFire,Firework andSafety

(8lectures)

Unit:6 SocialIssuesandtheEnvironment

- FromUnsustainabletoSustainabledevelopment.U
- rbanproblems related toenergy.
- Water conservation, rain water harvesting, watershed
- management.Resettlementandrehabilitationofpeople;itsproblemsandc
- oncerns.

Casestudies

- Environmentalethics:Issuesandpossiblesolutions.
- Climatechange, globalwarming,acidrain,ozonelayerdepletion,nuclear accidents and holocaust. Casestudies.
- Wasteland
- reclamation.Consumerismandwas
- teproducts.EnvironmentProtectio
- n Act.
- Air (Prevention and Control of Pollution)
- Act.Water(PreventionandControlofPollution)Act
- .WildlifeProtection Act.
- ForestConservationAct.
- IssuesinvolvedinenforcementofenvironmentallegislationPu
- blicawareness.

(7lectures)

Unit:7 HumanPopulationandtheEnvironment

- Population growth, variation among
- nations.Populationexplosion –
- FamilyWelfareProgrammesEnvironmentand
- humanhealth
- HumanRights -ValueEducation
- HIV/AIDS -WomenandChildWelfare
- RoleofInformationTechnologyinEnvironmentandhumanhealthCase
- studies.

Unit:8 FieldWork

- Visittoalocalareatodocumentenvironmentalassets-river/forest/grassland/hill /
- mountain

EMPLOYABILITY SKILLS

References:

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Public Ltd Bikaner.
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt Ltd, Ahmedabad-380013, India, E-mail: mapin@icenet.net (R)
3. Brunner R.C. 1989, Hazardous Waste Incineration, McGraw Hill Inc 480p
4. Clark R.S. Marine Pollution, Clarendon Press Oxford (TB)
5. Cunningham, W.P. Cooper, T.H. Gorhani E & Hepworth, M.T. 2001.
6. De A.K. Environmental Chemistry, Wiley Eastern Ltd
7. Down to Earth, Centre for Science and Environment (R)
8. Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford University, Press 473p.
9. Hawkins, R.E. Encyclopedia of India Natural History, Bombay Natural History Society, Bombay (R)
10. Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment. Cambridge University Press 1140 p.
11. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws Himalaya Pub. House, Delhi 284 p.
12. McKinney, M.L. & Schoch R.M. 1996. Environmental Science systems & Solutions, Web enhanced edition 639 p.
13. Mhaskar A.K. Matter Hazardous, Techno-Science Publications (TB)
14. Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
15. Odum, E.P. 1971 Fundamentals of Ecology. W.B. Saunders Co. USA. 574 p
16. Rao MN & Datta, A.K. 1987 Waste Water treatment, Oxford & IBH Publication Co. Pvt Ltd 345 p.
17. Sharma B.K. 2001 Environmental chemistry Goel Publ House, Meerut.
18. Survey of the Environment, The Hindu (M).
19. Townsend C. Harper, J and Michael Begon, Essentials of Ecology, Blackwell science (TB)
20. Trivedi R.K. Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards, Vol. I and II, Enviro Media (R).
21. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science Publications (TB).
22. Wagner K.D. 1998 Environmental Management. W.B. Saunders Co. Philadelphia USA 499 p

(M) Magazine (R) Reference (TB) Textbook



BHARATHIDASANUNIVERSITY

TIRUCHIRAPPALLI-620024

PART-IVVALUEEDUCATIONCOURSE

**FOR ALL UGARTS, SCIENCE, COMMERCE
ANDMANAGEMENTCHOICEBASEDCREDITSYSTEM–
LEARNINGOUTCOMESBASEDCURRICULUM FRAMEWORK(CBCS-LOCF)
(Applicabletothecandidatesadmittedfromtheacademicyear2022-2023onwards)**

FirstYear

**PART-IV
VALUEEDUCATION
(Theory)**

Semester-I

Code:

Credit:2

OBJECTIVES:

- TounderstandthephilosophyoflifeandvaluesthroughThirukural
- Toanalysethecomponentsofvalueseducationtoattainthesenseofcitizenship
- TounderstanddifferenttypesofvaluestowardsNationalIntegrationandinternationalunderstanding
- Tolearnyogaasvalueeducationtopromotementalandemotionalhealth
- Tounderstandhumanrights,womenrightsandotherrightstopromotepeaceandharmony

UNIT-I: PHILOSOPHYOFLIFEANDSOCIALVALUES:

HumanLifeonEarth(Kural629)-Purposeof Life (Kural 46) -Meaning andPhilosophy of Life (Kural 131, 226) -Family (Kural 45), Peace in Family (Kural1025)Society(Kural 446), The Law of Life (Kural 952),Brotherhood(Kural807)Fiveresponsibilities/dutiesofMan (a) to himself (b) to his family (c) to hisenvironment(d)tohissociety,(e)totheUniverseinhislives(Kural43,981).

UNIT-II–HUMANVALUESANDCITIZENSHIP

Aimofeducationandvalueeducation:Evolutionofvalueorientededucation,ConceptofHumanvalues:typesofValues-CharacterFormation–ComponentsofValueeducation-APJKalam’stenpointsforenlightenedcitizenship-The roleofmediainvaluebuilding

UNIT-III VALUE EDUCATION TOWARDS NATIONAL AND GLOBALDEVELOPMENT:

Constitutionalor national values: Democracy, socialism, secularism, equality, Justice,liberty, freedom and fraternity - Social Values: Pity and probity, self-control, universalbrotherhood - Professional Values - Knowledge thirst, sincerity in profession, regularity,punctualityandfaith-ReligiousValues:Tolerance,wisdom,character - AestheticValues- Love and appreciation of literature and fine arts and respect for thesame-NationalIntegrationandInternationalUnderstanding.

UNIT IV: **YOGA AND HEALTH:**

Definition, Meaning, Scope of Yoga - Aims and objectives of Yoga - Yoga Education with modern context - Different traditions and schools of Yoga - Yoga practices: Asanas, Pranayama and Meditation.

UNIT V: **HUMAN RIGHTS:**

Concept of Human Rights: Indian and international perspectives - Evolution of Human Rights - definitions under Indian and International documents - Broad classification of Human Rights and Relevant Constitutional Provisions: Right to Life, liberty and Dignity - Right to equality - Right against exploitation - Cultural and Educational Right - Economic Rights - Political Rights - Social Rights - Human Rights of Women and Children - Peace and harmony.

UNIT - VI: CURRENT CONTOURS: (for continuous internal assessment only):

COURSE OUTCOMES: After completion of the course, the student will be able to:

- Apply the values in Thirukkural to be peaceful, dutiful and responsible in family and society
- Develop character formation and sense of citizenship
- Be secular, self-control, sincere, respectful and moral.
- Mastery of yoga, asana and meditation to promote mental health
- Be attitudinal to follow the constitutional rights

VALUE EDUCATION

BOOKS FOR REFERENCES:

1. Thirukkural with English Translation of Rev. Dr. G. U. Pope, Uma Publication, 156, Serfoji Nagar, Medical College Road, Thanjavur 613004

CORE COURSE – V
FINANCIAL ACCOUNTING

Objective:

To enable the student to know the importance of Financial Accounting and to understand the basic concepts.

Unit-I

Self-balancing ledger excluding rectifications of errors – Accounts from incomplete records.

Unit-II

Partnership Accounts – Admission, retirement and death of a partner, Joint life Policy. Amalgamation of firms.

Unit-III

Partnership accounts – Dissolution – Insolvency of a partner – sale to a company – piecemeal distribution.

Unit-IV

Hire purchase and Instalment systems – Royalties – Insolvency Accounts

Unit-V

Branch & Departmental accounts excluding foreign branches – Insurance claims.

Text and Reference Books (Latest revised edition only)

1. R.L. Gupta and Others, "Advanced Accountancy," Sultan Chand Sons, New Delhi
2. S.P. Jain and K.L. Narang, "Advanced Accounting," Kalyani Publishers, New Delhi
3. RSN. Pillai, Bagavathi S. Uma, "Advanced Accounting," S. Chand & Co, New Delhi.
4. M.C. Shukla, "Advanced Accounts," S. Chand and Co., New Delhi.
5. Mukerjee and Haneef, "Modern Accountancy," Tata McGraw Hill, New Delhi.
6. Arulanandam, "Advanced Accountancy," Himalaya Publication, New Delhi.
7. T.S. Reddy & Dr. A. Murthy, "Financial Accounting," Margham Publications, Chennai.

PAPERS REGARDING SOCIETY

CORE COURSE – VI

CO-OPERATIVE BANKING

Objective:

To understand the basic principles of co-operation and its application in banking.

Unit-I

Growth of Co-operative Credit in India - Structure of Co-operative Credit - Limitations and Problems.

Unit-II

Primary Agricultural Co-operative Credit Society – Organisation, Functions and Working - Lending Policies – Programmers – Recovery and Overdue Problems – Viability of Primary Co-operatives.

Unit-III

District Co-operative Banks – Organisation Functions and Working – Lending Policy and Procedures. Funds Position – Recovery and Overdue Problems. State Co-operative Banks – Constitution and Working. Its role in institutional Financing.

Unit-IV

Co-operative Land Development Bank – SLDB – PLDB – Constitution, Objects, Working – Sources of Funds Lending and Overdue Problems. Urban Co-operative Banks – Employee Co-operative Credit Societies – Objects – Functions and Working.

Unit-V

Role of NABARD and Co-operative Development. SBI and Co-operatives – Commercial Banks and Co-operative Credit – Marketing Co-operatives – Structure – Primary Co-operative Marketing Societies – State Co-operative Marketing Society – Constitution – Objectives – Functions.

Text and Reference Books (Latest revised edition only)

1. Cooperative Banking in India – Dr. S. Nakkiran., Rainbow Publication Coimbatore.
2. Cooperative Banking – C.D. Indule, Continental Prakashan, Pune.
3. Principles and practice of Cooperative Banking in India – B.N. Chobey., Asia Publishing House, London.

EMPLOYABILITY SKILLS

ALLIED COURSE–III

BUSINESS LAW

Objective:

To enable the students to gain knowledge about mercantile law and its importance.

Unit–I

Introduction–Definition and scope of mercantile law– growth and sources of mercantile law
– Nature and kinds of contracts – offer and acceptance – consideration – capacity of parties – free consent – legality of object, Void Agreements – contingent contracts

Unit–II

Performance of contracts – Discharge of contracts – remedies for breach including specific performance – Quasi contracts.

Unit–III

Indemnity and Guarantee– Bailment and pledge– Agency.

Unit–IV

Law of sale of Goods– Definitions– Buyer– Goods– Delivery– Mercantile Agent
– Sale and Agreement to sell– Conditions & Warranty.

Unit–V

Law of Negotiable Instruments. (Instrument Amendment Act, 2015– Definition– characteristics – classification– notes, bills, cheques and promissory note.)

Text Books Recommended: (Latest revised edition only)

1. Mercantile law by M.C. Shukla– S. Chand & Company, New Delhi.
2. Business Law by V. Balachandran & Thothadri S– Vijay Nicole Imprints (P) Ltd, Chennai.
3. Commercial law by Chawla and Garg– Kalyani Publishers, Chennai.
4. Business law by N.D. Kapoor– S. Chand & Sons, New Delhi.
5. Mercantile law by Batra and Kalra– Tata McGraw Hill Co, Mumbai
6. Mercantile law by M.C. Kuchhal– Vikas Publishing House, Chennai
7. Mercantile law with Industrial law by S.P. Iyengar and B.K. Goyal– R. Chand & Co.

PAPERS REGARDING SOCIETY

NONMAJORELECTIVE-I

(A) BANKING PRACTICES

Objectives:

1. To make the students understand the concept of Money & Banking.

Unit-I

Introduction to Money – Kinds – Functions and Significance – Demand for and Supply of Money – Monetary Standards – Gold Standard – Bimetallism and Paper Currency Systems – Paper Money – Money Market.

Unit-II

Classification of Banks – Functions – Creation of Credit – Balance Sheet – Investment Policies – Bank Assets – Banking Structure – Clearing Houses.

Unit-III

Central Banking – Evolution – Definition – Concepts – Functions – Qualitative Methods of Credit Control.

Unit-IV

Foreign Exchanges – Exchange Market and Rates of Exchange – Exchange Control.

Unit-V

Indian Banking System – Reserve Bank of India – Organisation – Management – Function – NABARD – State Bank of India – Exchange Banks – Commercial Banks – Indigenous Banks – Co-operative Banks.

Text and Reference Books (Latest revised edition only)

1. Sundharam, K.P.M, Money, Banking & International Trade, Sultan Chand & Sons, New Delhi.
2. Vasudevan, S.V, Theory of Banking, S.Chand & Company Ltd., New Delhi
3. Gurusamy S, Banking Theory Law & Practice, Vijay Nicole Imprints (P) Ltd, Chennai
4. Sundharam, K.P.M. & Varshney, P.N, Banking Theory Law & Practice, Sultan Chand & Sons, New Delhi.

PAPERS REGARDING SOCIETY

NONMAJORELECTIVE-I

(B) INDIAN BANKING SYSTEM

Objective:

To acquire knowledge about the functioning and procedures of Indian banks

Unit-I

Indian banking system: structure and organization of bank; Reserve Bank of India; Apex banking institution; Commercial banks; Regional rural banks; Co- Operative banks; Development banks

Unit-II

State Bank of India: Brief History; objectives; Functions; Structure and organization; Working and progress

Unit-III

Banking Regulation Act, 1949: History; Social control; Banking Regulation Act as applicable to banking companies and public sector banks; Banking Regulation Act as applicable to Co- operative banks

Unit-IV

Regional Rural and Co- operative Banks in India: Functions; Role of Regional rural and co-operative banks in rural India; Progress and performance

Unit-V

Reserve Bank of India: Objectives; Organization; Function and working; Monetary policy; Credit control measures and their effectiveness

Text and Reference Books (Latest revised edition only)

1. Basu A.K: Fundamentals of Banking- Theory and practice; A Mukerjee and co.
2. Sayers R.S: Modern Banking; Oxford University Press.
3. Panandikar S.G. and Mithani DM: Banking in India; Orient Longman
4. Gurusamy S: Modern Banking, Vijay Nicole Imprints (P) Ltd

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CORE COURSE – VII

CREDIT MANAGEMENT

Objective:

To enhance the student's knowledge about the concepts and its application in credit management.

Unit-I

Definition of Credit. Forms of credit: Consumer credit, Commercial credit, Export credit, Banking credit, Agriculture credit.

Unit-II

Principles of lending – The 7C's of Credit – Fair practice code – Various types of Borrowers.

Unit-III

Benefits and dangers in using credit, understanding consumer rights and obligations.

Unit-IV

Credit Policy: Definition – Role and use of the policy – Basic contents of the policy.

Unit-V

Consumer Assessments: Credit Bureau, Credit Applications, References, Credit evaluation of borrowers, Collection procedure, Debit Recovery Tribunal, Writing off Bad Debts.

Text and Reference Books (Latest revised edition only)

1. Credit Management by Ed. Vol – Oscar Publication, New Delhi.
2. Credit Management Handbook by Cecil J. Bond, McGraw Hill, USA
3. Credit Planning and Management by Krishna Gupta – Arihant Publishers, Jaipur.
4. Credit Appraisal, Risk Analysis and Decision making – Dr. D. D. Mukherjee, Snow White Publications, Chennai.
5. Risk Management, IIBF, Macmillan, New Delhi.
6. Credit Risk Management, Andrew Fight, Butterworth Heinmann, Oxford, UK.

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CORE COURSE – VIII

SERVICES MARKETING

Objective:

To enable the students to trace the growing importance of Services, and a vital role in decision making, development process & approaches.

Unit-I: Introduction

Meaning and Definition of Service – Classification of Services – Services Marketing Triangle – Significance of Services Marketing – Reasons for the Growth of the Services sector – The Service as a System.

Unit-II: Service Product and Pricing

Service product- Underlying Concepts – The Product Life-Cycle – New Service – Service Product Range – New Service Development (NSD) – New Service Product Features – Failure of new service Products – Achieving success in development of new service products – Service Product Elimination. Pricing for Services: Characteristics of Services and Prices – Price Terminologies – Understanding the costs of service incurred by customers – Understanding Value – Establishing monetary pricing objectives – Pricing relative to demand levels – Communicating Prices to the Target Markets – Additional Aspects of Service Pricing – Pricing strategy – Pricing and Marketing Strategy

Unit-III: Service Location and Promoting Services

Service Location- Flexibility – Classification by location – Accessibility through co-production – Service Channel Development – Methods of distributing Services – Innovations in Methods of Distributing Services – Inputs for location decisions – Basic Location Models. Promoting Services: – Promotional Objectives – Differences in Promoting Services – Selection Criteria – Developing the promotional mix – Guidelines for Improving the Promotion of Services – The role of sales promotion – Sales Promotion tools – Direct Marketing – Public Relations – The role of marketing communication – Target Audience – Branding services: Trends – Brand image development – Setting advertising objectives – Audience response – Guidelines for Service Advertising.

Unit-IV: Service Process and Service Design

Service Process- Introduction – Classification of Services Operating Systems – Policies and flowcharting – Balancing supply and demand – Change – Organisational Conflict in Service Systems – The Systems Concept in Services – Purchase Process – Process of vision – Facilitating process – Challenges for service managers – Breakthrough services – Process improvement – The Self – Reinforcing Service Cycle. Service Design - Design Methodology – The Service Design and management model – Overview of model stages – Blueprinting – Building a service blueprint – Benefits of service blueprinting – Service Mapping – Service Failures – Design elements – Quality function deployment.

Unit-V:ServiceMixScenario

RoleofServiceMix –HealthCare–Tourism –Hotel–Travel –Education– Insurance – Banking.

TextandReferenceBooks(Latestrevisededitiononly).

1. ServicesMarketing–VasantiVenugopal&RaghuM.M–HimalayaPublishingHouse, Mumbai
2. ServicesMarketingTextandCases–HarshVivesma–PearsonEducation,Delhi
3. Services Marketing (Concepts, Practices, Cases from Indian Environment – Dr.S.Shajahan – Himalaya Publishing House, Mumbai
4. ServicesMarketing–GovindApte–OxfordUniversityPress,Delhi

EMPLOYABILITY SKILLS

ALLIED COURSE – IV

BUSINESS COMMUNICATION

Objective:

To enable the students to write business letters effectively and develop communication skills.

Unit-I

Nature and Scope of Business Communication – Meaning and Importance of Communication, Kinds of Business Letters – Layout – Barriers to Communication.

Unit-II

Enquiry and Reply – Orders and their Execution – Credit and Status enquiries – Claims and Adjustments.

Unit-III

Collection Letters – Sales letters – Circular Letters – Bank Correspondence; Correspondence of a Company Secretary.

Unit-IV

Application Letters – Meaning, Types- Guidelines to write Application letters and Resumes- Form and content of an Application letter. Report writing – Features, Types of Reports, Organisation of a Business Report, Preparation of Report – Long and Short Report: Report by Individuals and Committees.

Unit-V

Modern Communication methods – Online Communication – Fax, E-mail, Voicemail, SMS, Internet, Tele – Conferencing, Video – Conferencing, Electronic Bulletin Boards.

Text and Reference Books (Latest revised edition only)

1. Essentials of Business Communication – Rajendra Pal and J.S. Korlahalli. Sultan Chand, New Delhi
2. Effective Business English and Correspondence by M.S. Ramesh and Pattenshetty – R.Chand & Company, New Delhi
3. Business Correspondence and Report writing by Sharma and Krishna Mohan – -Tata McGraw Hill, New Delhi.

PAPERS REGARDING SOCIETY

NONMAJORELECTIVE–II

(A) RURAL BANKING

Objective:

To enable the student to know about rural banking and its development.

Unit-I

Principles and functions of banking, Co-operative banking, Special features, Negotiable instruments, Cheques, Bill of Exchange, Promissory Notes -Banker customer relationship, Psycho-demographic approach, Customer centric vs business centric approach.

Unit-II

Co-operative banking, agriculture and non-agriculture organization, function of Apex MSCB, DCCB, RBI functions and role, NABARD, Lead Bank Scheme, RRB objective and functions -Banking and I.T., E-banking. ATM. M-banking

Unit-III

Domestic Cash Management, ST/MT Funding, Meaning and importance cash management, Objectives, Cash flow cycle, Cash flow budgeting and forecasting, Electronic cash management, MT and LT funding, Term loans, Securitization, Cost center, Profit center, Planning and control, Capital Budgeting.

Unit-IV

Liquidity Management- Objectives-Sources-Maturity concerns: Projected cash and core sources- Contingency Plans- ST/NT Liquidity – Maturity Ladder Limit- Internal control- Information- Netting.

Unit-V

Regulation, Supervision and Compliance- Need and significance of internal and external audit.

Text and Reference Books (Latest revised edition only)

1. Banking Regulation Act.
2. Basu, A.K. Fundamentals of Banking Theory and Practice.
3. Chatterjee, A., Bank Credit Management.
4. Choubay, B.N., Principles and Practice of Co-operative Banking.
5. Tanan, M.L. Banking Law and Practice in Negotiable Instrument India Act.

PAPERS REGARDING SCOEITY

NONMAJORELECTIVE-II

(B) ELEMENTS OF INSURANCE

Objective:

To highlight the importance of insurance and its basic concepts.

Unit-I

Introduction to insurance: purpose and need of insurance – insurance as a social security tool – insurance and economic development – types of insurance.

Unit-II

Procedure for becoming an agent: Pre-requisite for obtaining a license – duration of license – cancellation of license – revocation or suspension/termination of agent appointment – code of conduct – unfair practices.

Unit-III

Fundamentals of agency law: definition of an agent – agents regulations – insurance intermediaries – agents' compensation – IRDA.

Unit-IV

Functions of the agent: proposal form and other forms for grant of cover – financial and medical underwriting – material information – nomination and assignment – procedure regarding settlement of policy claims.

Unit-V

Fundamentals/Principles of life insurance/marine/fire/medical/general insurance: Contracts of various kinds – insurable interest. – Actuarial science.

Text and Reference Books (Latest revised edition only)

1. Insurance by Dr. P. Periyasamy – Tata McGraw Hill
2. Fundamentals of Insurance by P. Periyasamy by Vijay Nicole Imprints (P) Ltd
3. Insurance in India by P. S. Palande, R. S. Shah, Sage Publications Chennai.
4. Insurance principles and practices by Mishra M. N – S. Chand & Co., New Delhi
5. Insurance Regulatory Development Act 1999.
6. Life Insurance Corporation Act 1956

PAPERS REGARDING SOCIETY

CORE COURSE - IX

CORPORATE ACCOUNTING

Objective:

To enable the student to know about accounting procedure in corporate accounting

Unit-I

Company accounts – introduction – legal provisions regarding issues of shares, applications, allotment, calls, calls-in-arrears, calls-in-advance, issue of shares at premium-issue of shares at discount- forfeiture of shares-re-issue – accounting entries.

Unit-II

Issue and redemption of debentures – methods of redemption of debenture- in instalment – cum-interest and Ex-interest – redemption by conversion, sinking fund, insurance policy and redemption of preference shares- implication of Section 80 and 80A of the Companies Act.

Unit-III

Amalgamation – purchase consideration- accounting treatment – pooling of interest method and purchase method, Absorption, external and internal reconstruction of companies.

Unit-IV

Holding company account – legal requirements relating to presentation of accounts - Consolidation of balance sheet (excluding chain holding).

Unit-V

Final accounts of banking companies (new format) and Insurance companies (new format).

Theory:25% Problem:75%

Text and Reference Books (Latest revised edition only)

1. Advanced Accountancy by M.C. Gupta, Shukla and Grewal – S. Chand publishing, Delhi
2. Advanced Accountancy by R.L. Gupta and Radhaswamy – Sultan Chand & Sons, New Delhi.
3. Advanced Accountancy by Jain and Narang – Kalyani Publishers, Chennai
4. Corporate Accounting by Palaniappan & Hariharan – Vijay Nicole Imprints (P) Ltd, Chennai.
5. Advanced Accountancy by Arulanandam and Raman – Himalayan Publishers, New Delhi.

EMPLOYABILITY SKILLS

CORECOURSE–X

E– BANKING

Objective:

To enable the students to understand the concepts related to E-Banking.

Unit-I

Banking concepts of E-Banking – features E - banking strategy & models: IT in finance & service delivery. Introduction to ATMs, Internet Banking & Mobile Banking. Standalone systems, LAN & WAN.

Unit-II

Electronic payment systems: Teller machines at the bank counters, cash dispensers, ATMs, Anywhere Anytime banking, Home banking (Corporate and Personal), online enquiry and update facilities, personal Identification. Numbers and their use in conjunction with magnetic cards of both credit and debit cards, smart cards, signature storage and display by electronic means, cheque truncation, Micro fiche, note and coin counting devices.

Unit-III

Electronic fund transfers system – playing messages (telex or data communication) – structured messages (SWIFT etc.), RTGS information Technology: Current trends, Bank net RBI net, Demat, Nic net, I-net, Internet, E-mail etc,

Unit-IV

Impact of technology and banks protecting the confidentiality and secrecy of data effect on customers and service quality. Technology Management: RTGS: Infrastructure requirement, RTGS transactions.

Unit-V

Security features SFMS: Formats of SFMS, SFMS transaction, Security aspects; RAS: Requirements of RAS, Application, security features of RAS, Digital Certificate: PKI, CCA, CA, RA – Types of digital Certificates, application of digital Certificate, legal status, IT Act: Electronic Records, Digital Signature, application of Electronic transactions; Cyber law –Its application.

Text and Reference Books (Latest revised edition only)

1. Managing with information by H. Jerome Lenter
2. Computer information Technology Global Business by Puri and Vidin Puri
3. Fundamentals of database Systems by Jerome Lenter, Pearson
4. An Introduction to Information Technology by Dr. Srinivasavallabhan, Sulthan Chand & Sons.
5. Law of Information Technology, D.P. Mittal, TaxMan. eMarkets, Macmillan, 2007

PAPERS REGARDING SOCIETY

CORECOURSE– XI

COMPUTER APPLICATIONS AND BANKS

Objective:

To enable the students acquire the basic knowledge of computer application in banks.

(Theory-60marks;UE:45;IA:15)

Unit-I

Meaning of computer – Characteristics of computer – area of application – I-P-O cycle – components of computer – memory and control unit – input and output devices – hardware and software – operating systems – introduction to windows – logging on – desktop & taskbar – icons and desktop – start-up menu option – creation files and folder – windows explorer – find option shortcuts – briefcase – running applications customization.

Unit-II

Introduction Microsoft WORD – stating word – creation of shortcut for word – creating word documents – creating business letter using wizards – editing word documents – check – word count – thesauruses, auto correct – working with table – saving – opening and closing documents – mail merge.

Unit-III

Introduction to spread sheets – spread sheet program and application – MS excel and its features – building work sheets – entering data in work sheets. Editing and formatting work sheets – creating and formatting different types of charts – application financial statistical function – creating a list – sorting data – filtering data using auto filter customs filters. Pivot tables. Analyzing and organizing data using automatic sale totals – saving opening and closing work books.

Unit-IV

Fundamentals of computerized accounting – computerized accounting Vs Manual accounting – architecture and customization of Tally – features of Tally – configuration of Tally – Tally screens and menus – creation of company – creation of groups – editing and deleting groups – creation of ledgers – editing deleting ledgers – introduction to vouchers – vouchers entry – payment of vouchers – receipt voucher – sales voucher – purchase vouchers – contra voucher – journal voucher – editing and deleting vouchers.

Unit-V

Introduction to inventories – creation of stock categories – creation stock groups – creation of stock items – configuration of features of stock item – editing and deleting stocks – usage of stocks in voucher entry – purchase order – stock voucher – sales order – stock voucher – introduction to cost – creation of cost category – creation of cost centers – editing & deleting cost centers and categories – usage of cost category and cost center in voucher entry.

Text and Reference Books (Latest revised edition only)

1. Computer Applications in Business – Dr. S. V. Srinivasa Vallabhan – Sultan Chand Publication.
2. Introduction to computer Application – Dr. S. V. Srinivasa Vallabhan – Sultan Chand Publication.
3. Microsoft Office for Windows 95 Bible Author Ed. Jones Derek Sultan Publications Comdex Computer Publication.
4. TIAL Smart Accountant Book SMW Deva Publication, AVC Deva Publication.
5. Computerized Accounting under Tally Publication, Deva Publication.
6. Implementing Tally 5.4, 6.3, 7.2 versus. Author K. K. Nandhani Publication, BPB Publication.
7. Computer Application in Business – R. Parasuraman – S. Chand & Co.,
7. Computer Application in accounting software: P. Kasivairavan – Friends Publications – Tirupathur.
8. Computer Application in Business: Dr. Joseph Anbarasu, Learntech Press, Trichy. Model for practical laboratory work

(Practical – 40 marks UE: 30 marks IA: 10 marks)

Microsoft Word:

1. Creating personal letter to friend
2. Creating official letter – leave letter
3. Preparation of Bio-Data
4. Use of Mail-merge
5. Creating Circular letter with mail-Merge options
6. Creating a table by using the split and merge options

Microsoft Excel:

1. Entering information in the pay bill
2. Sum function, entering formula
3. Aligning data in cells
4. Creating charts
5. Creating pivot tables.

Tally:

1. Creation of company
2. Creating groups, creating single groups, creating subgroups
3. Entering values in accounts info
4. Voucher entry – sales, purchase
5. Journal entry – contra journals
6. Creating cost centers
7. Inventory problems.

EMPLOYABILITY SKILLS

CORECOURSE– XII

MANAGEMENT ACCOUNTING

Objective:

To enable the student to know the importance of management accounting and its concepts.

Unit-I

Management accounting – Definition – Objectives – Nature – Scope – Merits and limitations – Differences between management accounting and financial accounting – Financial statement analysis – Comparative statement – Common size statement – Trend percentage – Ratio analysis – Meaning – Classification – Liquidity, solvency, turnover and profitability ratios – Dupont chart – Construction of balance sheet.

Unit-II

Fund flow statement – Meaning– Preparation – Schedule of changes in working capital – Funds from operation – Sources and applications – Cash flow statement – Meaning – Difference between funds flow statement and cash flow statement – Preparation of cash flow statement as per Accounting Standard 3.

Unit-III

Budget and Budgetary control – Meaning – Advantages – Preparation of sales, production, production cost, purchase, overhead cost, cash and flexible budgets -Standard costing – Meaning, Advantages and Limitations.

Unit-IV

Variance analysis – Significance - Computation of variances (Material and Labour variance only) - Marginal costing – CVP analysis – Break even analysis – BEP - Managerial applications – Margin of safety – Profit planning.

Unit-V

Capital Budgeting – Meaning – Importance – Appraisal methods – Payback period – Accounting rate of return -Discounted cash flow –Net present value–Profitability index – Internal rate of return.

Theory:20% Problem:80%

Text and Reference Books (Latest revised edition only)

1. Management accounting by S.N. Maheswari – Sultan Chand & sons publications, New Delhi
2. Management accounting by Sharma and Guptha, Kalyani Publishers, Chennai.
3. Management accounting by R. Ramachandran and R. Srinivasan – Srirampublication
4. Management accounting by A. Murthi and S. Gurusamy, Vijay Nicole Publications, Chennai.
5. Management Accounting by R.S.N. Pillai & V. Baghavathi – S. Chand & Co, Mumbai
6. Management accounting by Hingorani & Ramanathan – S. Chand & Co, New Delhi.

EMPLOYABILITY SKILLS

MAJORBASEDELECTIVE-I

(A)ENTREPRENEURIAL DEVELOPMENT

Objectives:

To enable the students to understand the conceptual and applied knowledge about Entrepreneurship.

Unit-I

Entrepreneurship – Definition, Concept, Nature , Characteristics , functions , types and phases of EDP, Development of women and rural entrepreneurs – Women Council Scheme.

Unit-II

The start-up process, Project identification – selection of the project – project formulation and evaluation – feasibility analysis, Project Report.

Unit-III

Institutions in the development of entrepreneurs – DIC, SIDO, NSIC, MSMEDI – SSIC, SIDCO – ITCOT, IIC – KVIC.

Unit-IV

Institutional finance to entrepreneurs: IFCI, SFC, TIIC, LIC and GIC, SIPCOT – SIDBI – Commercial banks - Venture capital.

Unit-V

Incentives and subsidies – Subsidised services – seed capital assistance – Taxation benefit to SSI. Role of entrepreneur in export promotion and import substitution.

Text and Reference Books (Latest revised edition only)

1. Dynamics of Entrepreneurial Development by Vasant Desai – Himalaya Publishing House, New Delhi.
2. Entrepreneurship & Small Business Management by Dr. C.B. Gupta and Dr. S.S. Khanka - Sultan Chand & Sons, New Delhi.
3. Fundamentals of Entrepreneurship and Small Business by Renu Arora & S.KI.Sood – Kalyani Publishers, Chennai.
4. Entrepreneurial Development by Dr. S.S. Khanka – S. Chand & Co, New Delhi.
5. Entrepreneurial Development by Dr. P. Saravanel, Learntech Press Trichy.
6. Entrepreneurial Development by Dr. S.G. Bhanushali - Himalaya Publishing House, New Delhi.

PAPERS REGARDING SOCIETY

MAJORBASEDELECTIVE-I (B)INTERNATIONAL MARKETING

Objective:

To provide the students theoretical aspects of international business.

Unit-I

International marketing – Importance – International Vs Domestic marketing.

International marketing environment. Ebusiness. Challenges in International marketing.

Unit-II

International Marketing – Planning process – social and cultural factors. Consumer

Behaviour. Crosscultural Analysis. Social and cultural influences in BtoB marketing.

International Marketing Research – Opportunity identification and analysis

Unit-III

International Marketing Mix – Developing global products – understanding market needs.

Pricing – factors affecting pricing decisions – strategies – Challenges in pricing.

International Market segmentation.

Unit-IV

International Marketing information system. Global marketing strategies – Direct and Indirect exporting. Joint Venture. Direct investment.

Promotional activities in global markets – Advertising and Sales promotion.

Unit-V

International distribution management – challenges – selecting intermediaries.

Managing physical distribution of goods. CRM – importance. International communication – tools – developing profitable long term relationships.

Text and Reference Books (Latest revised edition only)

1. Adhikary, Manab, Global Business Management, Macmillan, New Delhi
2. Bhattacharya, B. Going International-Response Strategies for Indian Sector, Wheeter Publishing Co., New Delhi.
3. Black and Sundaram, International Business Environment, Prentice Hall of India, New Delhi

PAPERS REGARDING DEMOCRACY

CORE COURSE – XIII

FINANCIAL MANAGEMENT

Objective:

To enable the student to know the principles and practices of managing finance.

Unit-I

Financial Management: Meaning and scope – Objectives: Profit maximization, Wealth maximization – Functions – Financial decisions – Time value of money: Present value and Compound value – Cost of capital – Cost of debt – Cost of preference share capital – Cost of equity – Cost of retained earnings – Weighted average cost of capital.

Unit-II

Capital structure – Meaning and features – Factors determining capital structure – EBIT-EPS relationship – Indifference point of EBIT – Theories of capital structure: Net income approach, Net operating income approach, MM approach and Traditional approach.

Unit-III

Leverage – Meaning, significance and types – Operating leverage - Financial leverage – Combined leverage – Dividend policy – Determinants of dividend policy – Theories: relevance and irrelevance with value of firm – Forms of dividend – Stock dividend – Bonus issue – Stable dividend.

Unit-IV

Working capital management – Determinants of working capital – Forecasting of working capital requirements – Cash management – Motives of holding cash – Stages in cash management: Cash planning, Collection and disbursement of cash, Optimum cash balance – Boumul model – Investment of surplus cash.

Unit-V

Receivables management – Objectives – Factors influencing size of receivables – Credit policy – Credit standard – Credit term – Collection policy – Incremental analysis – Inventory management – Meaning – Types of inventory – Purpose of holding inventory – Excess or inadequate inventory – EOQ – Levels of stock: reorder level, minimum level and maximum level – Techniques – ABC, VED, FSN and HML analysis.

Theory: 20%

Problem: 80%

Text and Reference Books (Latest revised edition only)

1. Elements of financial management by S.N. Maheswari – Sultan Chand & Sons., New Delhi
2. Financial Management by R.K. Sharma – Kalyani publishers, New Delhi
3. Financial Management by R. Ramachandran & R. Srinivasan – Sriram publication, Trichy
4. Theory and Problems of Financial management by Khan & Jain, McGraw Hill Publication, New Delhi
5. Financial Management by S.P. Gupta, Sahitya Bhavan Publication, New Delhi

EMPLOYABILITY SKILLS

CORECOURSE– XIV

INCOME TAX THEORY LAW & PRACTICE

Objective:

To enable the student to know the provisions of income tax.

Unit-I

Basic concepts – Definition - previous year – assessment year – person, assessee, income, total income, casual income, capital and revenue - residential status and incidence of tax, incomes exempt under section 10.

Unit-II

Salary – Basis of charge – different forms of salary, allowances, perquisites and their valuation – deduction from salary – Computation of taxable salary.

Unit-III

House property– basis of charge– determination of annual value-GAV, NAV – income from let-out property – self occupied property – deductions- Computation of taxable income.

Unit-IV

Profits and gains of business and profession – basis of charge – methods of accounting – deductions – disallowances, Computation of taxable income.

Unit-V

Capital gains – basis of charge – short and long term capital gains – indexed cost of acquisition and improvement – exemptions – chargeability of short and long term capital gains – computation of taxable capital gains. Income from other sources – interest on securities, etc. deduction under Sec 80C – Introduction to direct taxes code.

Theory:25%

Problem:75%

Text and Reference Books (Latest revised edition only)

1. Students Guide to Income Tax by Vinodh K. Singhanian, Taxmann Publications, New Delhi
2. Income tax by T.T. Gaur & Narang, Kalyani publishers, Chennai.
3. Income Tax Law and Practice by A. Murthy – Vijay Nicole Imprints (P) Ltd, Chennai.
4. Income tax – Law & Practice by Dinkar Pagare – Sultan Chand & Sons, New Delhi.
5. Income tax by T.S. Reddy & Hari Prasad Reddy, Margham Publications, Chennai.
6. Income tax by Bhagwati Prasad – Vishnu Prakashan publication, Chennai.

PAPERS REGARDING SOCIETY

CORE COURSE – XV

FINANCIAL SERVICES

Objective:

To enable the student to know the nature and types of financial services.

Unit-I

Financial services – Meaning – Classification – Financial products and services – Challenges facing the financial services sector – Merchant banking – Meaning – Functions – SEBI Guidelines – Scope of merchant banking in India. NBFCs – RBI guidelines.

Unit-II

Hire purchase – Meaning – Features – Process – Hire purchase and credit sales – Hire purchase vs Instalment purchase – Banks and hire purchase business – Hire purchase and transport industry – Leasing – Concept – Steps involved in leasing – Lease vs Hire purchase – Types of lease – Problems and prospects of leasing in India.

Unit-III

Mutual funds – Meaning – Types – Functions – Advantages – Institutions involved – UTI, LIC, Commercial banks – Entry of private sector – Growth of mutual funds in India – SEBI Guidelines – Asset Management Companies.

Unit-IV

Venture capital – Meaning – Features – Methods of venture capital financing – Modes of venture financing – Venture capital investment process – Factors determining venture investment – Exit mechanism – Advantages of venture capital – Issues of Indian venture capital industry.

Unit-V

Factoring – Concepts – Significance – Types – Factoring mechanism – Factoring vs bills discounting – Factoring in India – Forfaiting – Meaning – Forfaiting vs Export factoring – Problems of Forfaiting/ factoring.

Text and Reference Books (Latest revised edition only)

1. Financial markets & services by E. Gordon and K. Natarajan – Himalaya publishing house, New Delhi
2. Financial services by E. Dharmaraj – S. Chand & Co., New Delhi
3. Financial Services by S. Mohan and R. Elangovan – Deep and Deep Publications, New Delhi
4. Financial Services by S. Gurusamy – Vijay Nicole Imprints (P) Ltd, Chennai
5. Lease Financing and Hire Purchase by Vinod Kothari – Wadhwa and Co., Nagpur.

PAPERS REGARDING SOCIETY

MAJORBASEDELECTIVE-II

(A) FOREIGN EXCHANGE MANAGEMENT

Objective:

To develop knowledge about Foreign Exchange Management

Unit-I

Introduction–Foreign trade&Foreign Exchange–Balance of payments

Unit-II

Exchange System – Exchange rate system prior to IMF and under IMF – External value of Rupee – Convertibility of Rupee.

Unit-III

Exchange Control – Objectives – Methods – Foreign Exchange Management Act – Administration of Foreign Exchange – Functions of Foreign Exchange Department.

Unit-IV

Foreign Exchange Transaction – Exchange Quotations – Spot & Forward Transaction – Forward Exchange contracts. Introduction to currency – features and options.

Unit-V

International Financial Institution – International Monetary Fund – Special Drawing Rights – International Bank for Reconstruction and Development – International Finance Corporation – International Development Association.

Text and Reference Books (Latest revised edition only)

1. Foreign Exchange Markets understanding derivatives & other instruments, Surendra.S.Yadav, P.K.Jain and Max peyrard, Macmillan.
2. Foreign Exchange Risk Management by Nidhi Jain, Century Publication.

PAPERS REGARDING DEMOCRACY

MAJORBASEDELECTIVE-II

(B) INVESTMENT BANKING

Objective:

To enable students gain knowledge about Investment banking in India.

Unit-I

Investment banking – Introduction – History and evolution of Universal banks and Financial conglomerates. Industry structure – Indian investment banks – asset management and securities business.

Unit-II

Securities Market : Primary Market - Introduction – Equity Capital Market, Debt Capital Market and Derivatives segments. Primary market intermediaries. Role of Merchant bankers in the issue management of IPO and FPO . Underwriting.

Unit-III

Global Capital market – International listing – Equity Issues through Depository Route. Bond markets and Issues. Buy backs and De listings.

Unit-IV

Corporate restructuring – Internal and External restructuring – Types – Asset based restructuring – demerger, hive off, asset sale etc. Equity based restructuring – equity spin off, Disinvestment etc. Mergers and Acquisitions – methodologies.

Unit-V

Venture capital – methods. Leasing and Hire purchase business – methods. Mutual Funds management. Securitisation of debts, Factoring and Forfaiting services.

Text and Reference Books (Latest revised edition only)

1. Investment Banking-Pratap Giri.S., Tata McGraw Hill Education, New Delhi
2. Merchant Banking & Financial Services-Dr.S.Guruswamy-Tata McGraw Hill Education, New Delhi
3. Merchant Banking & Financial Services-S.B.Kulkarni & M.Govindaraj-Nirali Prakashan, Pune.

GENDER EQUITY

MAJOR BASED ELECTIVE–III

(A) INSURANCE MANAGEMENT

Objective:

To make the students to understand the principles and practices of Insurance Management.

Unit-I

Introduction : Savings and investment schemes like shares, units, capital, markets, mutual funds, etc. vis-a-vis insurance; Tax benefits under insurance policies; Life cycle needs - including solutions, matching of the customer's needs and requirements to available products; Comparison between different products offered vis-a-vis chargeable premium, and coverage.

Unit-II

Computation of premiums/Bonus: Premium calculation - including rebates, modes, large-sum assured policies; Extra premium, under premium, Computation of benefits, Surrender value, Paid-up value.

Unit-III

Insurance Documents: Insurance documents, including proposal forms and other relevant forms; First premium receipt/renewal premium receipt; Policy contract; Endorsements; Renewal notice/bonus notices; other insurance documents related to receipt

Unit-IV

Life insurance Product - Traditional unit Linked Policies: Individual and group policies; with-profit and without profit policies; Different types of insurance products - Whole life products, interest sensitive products, term- assurance annuities, Endowment, Assurance.

Unit-V

Options and Guarantees-Group Insurance, pension plans, & health insurance.

Text and Reference Books (Latest revised edition only)

1. Mishra M.N: Insurance Principles and practice; S. Chand and co, New Delhi.
2. Periasamy P, Fundamentals of Insurance; Vijay Nicole Imprints (P) Ltd
3. Insurance Regulatory Development Act 1993 Life Insurance Corporation Act 1956.

PAPERS REGARDING SOCIETY

MAJOR BASED ELECTIVE – III

(B) DEVELOPMENT BANKING

Objective:

To enable students gain knowledge about Development banking in India.

Unit-I

Development banks – Concepts. – Objectives – Functions.
Difference between Commercial banking and Development banking
– role of development banks in developing the economy of India.

Unit-II

Development banking in India –
Commercial banks in the development of agriculture and industry –
schemes and implementation.

Unit-III

National Bank for Agriculture and Rural Development (NABARD) –
objectives and functions. Financial, developmental and supervisory
role of NABARD in the development of rural India.

Unit-IV

National level development banks – IFCI, SIDBI, EXIM Bank
and NHB – organisation – objectives – functions –
role in the development of the India.

Unit-V

State level development banks – State Finance Corporation, Small
Industries Development Corporation – TIIC – organisation – objectives –
functions – role in the industrial development in the states.

Text and Reference Books (Latest revised edition only)

1. Corporation Finance in India by S.C. Kuchal., Chaithanya Publishing House.
2. Development Banking in India
by Kaushal Kumar
Arora., Atlantic Publishers
And Distributors.
3. Development Banking by Vasant Desai. Himalaya Publishers.

PAPERS REGARDING SOCIETY



Bharathidasan University, Tiruchirappalli – 24

Gender Studies

Objectives

- ❖ To make boys and girls aware of each other's strengths and Weakness.
- ❖ To develop sensitivity towards both genders in order to lead an ethically enriched life.
- ❖ To promote attitudinal change towards a gender balanced ambience and women empowerment.

Unit– I

Concepts of Gender: Sex–Gender–Biological Determinism–Patriarchy–Feminism–Gender Discrimination–Gender Division of labour–Gender Stereotyping–Gender Sensitivity–Gender Equity– Equality– Gender Mainstreaming–Empowerment.

Unit– II

Women's Studies vs Gender Studies: UGC's Guidelines–VII to XI Plans–Gender Studies: Beijing Conference and CEDAW – Exclusiveness and Inclusiveness.

Unit– III

Areas of Gender Discrimination : Family – Sex Ratio – Literacy – Health – Governance – Religion Work Vs Employment – Market – Media – Politics – Law – Domestic Violence – Sexual Harassment – State Policies and Planning.

Unit– IV

Women Development and Gender Empowerment: Initiatives–International Women's Decade–International Women's Year–National Policy for Empowerment of Women–Women Empowerment Year 2001 – Mainstreaming Global Policies .

Unit– V

Women's Movements and Safeguarding Mechanism : In India National /State Commission for Women (NCW) – All Women Police Station – Family Court – Domestic Violence Act – Prevention of Sexual Harassment at Work Place Supreme Court Guidelines – Maternity Benefit Act–PNDT Act–Hindu Succession Act 2005–Eve Teasing Prevention Act–Self Help Groups– 73rd and 74th Amendment for PRIS

GENDER EQUITY

References

1. Bhasin Kamala, Understanding Gender: Gender Basics, New Delhi: Women Unlimited, 2004
2. Bhasin Kamala, Exploring Masculinity: Gender Basics, New Delhi: Women Unlimited, 2004
3. Bhasin Kamala, What is Patriarchy?: Gender Basics, New Delhi: Women Unlimited, 1993
4. Pernau Margrit, Ahmad Imtiaz, Reifeld Hermut (ed.,) Family and Gender: Changing Values in Germany and India, New Delhi : Sage Publications, 2003
5. Agarwal Bina, Humphries Jane and Robeyns Ingrid (ed.,) Capabilities, Freedom, and Equality: Amartya Sen's Work from a Gender Perspective, New Delhi : Oxford University Press, 2006
6. Rajadurai. S. V, Geetha. V, Themes in Caste Gender and Religion, Tiruchirappalli: Bharathidasan University, 2007
7. Misra Geetanjali, Chandiramani Radhika (ed.,) Sexuality , Gender and Rights: Exploring Theory and Practice in South and Southeast Asia, New Delhi : Sage Publication, 2005
8. Rao Anupama (ed.,) Gender & Caste: Issues in Contemporary Indian Feminism, New Delhi : Kalika Women, 2003
9. Saha Chandana, Gender Equity and Gender Equality: Study of Girl Child in Rajasthan, Jaipur: Rawat Publication , 2003.
10. Krishna Sumi, (ed.,), Livelihood and Gender: Equity in Community Resource Management, New Delhi : Sage Publication , 2004
11. Pludi. A Michele (ed.,) Praeger Guide to the Psychology of Gender, London: Praeger Publisher, 2004
12. Wharton. S Amy, The Sociology of Gender: An Introduction to Theory and Research, USA: Blackwell Publishing, 2005
13. Mohanty Manoranjan (ed.,) Class, Caste, Gender: Readings in Indian Government and Politics – 5, New Delhi : Sage Publications , 2004.
14. Arya Sadhna Women, Gender Equality and the State, New Delhi: Deep & Deep Publication, 2000



(Applicable to the candidates admitted from the academic year 2016 -2017 onwards)

Updated on 09.07.2018

Sem	Part	Course	Title	Ins. Hrs	Credit	Exam Hours	Marks		Total
							Int	Ext.	
I	I	Language Course – I (LC) – Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course - I (ELC)		6	3	3	25	75	100
	III	Core Course – I (CC)	Differential Calculus and Trigonometry	5	5	3	25	75	100
		Core Course – II (CC)	Integral Calculus	4	4	3	25	75	100
		First Allied Course – I (AC)		4	4	3	25	75	100
		First Allied Course – II (AP)		3	---	---	---	---	---
	IV	Value Education	Value Education	2	2	3	25	75	100
TOTAL				30	21				600
II	I	Language Course – II (LC) - Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course – II (ELC)		6	3	3	25	75	100
	III	Core Course – III (CC)	Differential Equations and Laplace Transforms	5	5	3	25	75	100
		Core Course – IV (CC)	Analytical Geometry 3D	4	3	3	25	75	100
		First Allied Course – II (AP)		3	3	3	40	60	100
		First Allied Course – III (AC)		4	2	3	25	75	100
	IV	Environmental Studies	Environmental Studies	2	2	3	25	75	100
TOTAL				30	21				700
III	I	Language Course – III (LC) Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course - III (ELC)		6	3	3	25	75	100
	III	Core Course – V (CC)	Sequences and Series	5	4	3	25	75	100
		Core Course – VI (CC)	Classical Algebra and Theory of Numbers	4	4	3	25	75	100
		Second Allied Course – I (AC)		4	4	3	25	75	100
		Second Allied Course – II (AP)		3	---	---	---	---	---
	IV	Non Major Elective I – for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10th +2 but opt for other languages in degree programme	Quantitative Aptitude I	2	2	3	25	75	100
TOTAL				30	20				600

IV	I	Language Course –IV (LC) Tamil*/Other Languages +#		6	3	3	25	75	100	
	II	English Language Course – IV (ELC)		6	3	3	25	75	100	
	III	Core Course – VII (CC)	Vector Calculus and Fourier Series		4	4	3	25	75	100
		Core Course – VIII (CC)	Linear Algebra		4	4	3	25	75	100
		Second Allied Course – II (AP)			3	3	3	40	60	100
		Second Allied Course – III			3	2	3	25	75	100
	IV	Non Major Elective II – for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10 th +2 but opt for other languages in degree programme	Quantitative Aptitude II		2	2	3	25	75	100
		Skill Based Elective - I	Skill Based Elective - I		2	2	3	25	75	100
	TOTAL				30	23				800
	V	III	Core Course – IX (CC)	Numerical Methods with MATLAB Programming	5	4	3	25	75	100
Core Course – X (CC)			Real Analysis	6	6	3	25	75	100	
Core Course – XI (CC)			Statics	6	5	3	25	75	100	
Core Practical – I (CP)			Numerical Methods with MATLAB Programming (P)	2	2	3	40	60	100	
Major Based Elective – I			Operations Research / Stochastic Processes	5	5	3	25	75	100	
IV		Skill Based Elective – II	Skill Based Elective - II		2	2	3	25	75	100
		Skill Based Elective – III	Skill Based Elective - III		2	2	3	25	75	100
		Soft Skills Development	Soft Skills Development		2	2	3	25	75	100
TOTAL				30	28				800	
VI	III	Core Course – XII (CC)	Abstract Algebra	6	5	3	25	75	100	
		Core Course – XIII (CC)	Complex Analysis	6	5	3	25	75	100	
		Core Course - XIV (CC)	Dynamics	5	5	3	25	75	100	
		Major Based Elective II	Graph Theory / Mathematical Modelling	6	5	3	25	75	100	
		Major Based Elective III	Astronomy / Number Theory	6	5	3	25	75	100	
	V	Extension Activities	Extension Activities		-	1	-	-	-	-
		Gender Studies	Gender Studies		1	1	3	25	75	100
TOTAL				30	27				600	
GRAND TOTAL				180	140	-	-	-	4100	

List of Allied Courses

Group I (Any one)

1. Physics
2. Mathematical Statistics
3. Financial Accounting

Group II (Any one)

1. Chemistry
2. Computer Science
3. Management Accounting

Language Part – I	-	4	
English Part –II	-	4	
Core Paper	-	14	
Core Practical	-	1	
Allied Paper	-	4	
Allied Practical	-	2	
Non-Major Elective	-	2	
Skill Based Elective	-	3	
Major Based Elective	-	3	
Environmental Studies	-	1	
Value Education	-	1	
Soft Skill Development	-	1	
Gender Studies	-	1	
Extension Activities	-	1	(Credit only)

* for those who studied Tamil upto 10th +2 (Regular Stream)

+ Syllabus for other Languages should be on par with Tamil at degree level

those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part I should study special Tamil in Part IV

** Extension Activities shall be out side instruction hours

Non Major Elective I & II – for those who studied Tamil under Part I

- Basic Tamil I & II for other language students
- Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

	Internal Marks	External Marks
1. Theory	25	75
2. Practical	40	60
3. Separate passing minimum is prescribed for Internal and External marks		

FOR THEORY

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]

The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

FOR PRACTICAL

The passing minimum for CIA shall be 40% out of 40 marks [i.e. 16 marks]

The passing minimum for University Examinations shall be 40% out of 60 marks [i.e. 24 marks]

CORE COURSE I

DIFFERENTIAL CALCULUS AND TRIGONOMETRY

Objectives

1. To inculcate the basics of differentiation and their applications.
2. To introduce the notion of curvatures, Evolutes & Involutives and polar co-ordinates.
3. To understand the basic concepts of Trigonometry

UNIT I

Methods of Successive Differentiation – Leibnitz's Theorem and its applications-
Increasing & Decreasing functions –Maxima and Minima of function of two variables.

UNIT II

Curvature – Radius of curvature in Cartesian and in Polar Coordinates – Centre of
curvature–Evolutes & Involutives

UNIT III

Expansions of $\sin(nx)$, $\cos(nx)$, $\tan(nx)$ – Expansions of $\sin^{-n}x$, $\cos^{-n}x$ –Expansions of
 $\sin(x)$, $\cos(x)$, $\tan(x)$ in powers of x .

UNIT IV

Hyperbolic functions – Relation between hyperbolic & Circular functions- Inverse
hyperbolic functions.

UNIT V

Logarithm of a complex number –Summation of Trigonometric series – Difference
method- Angles in arithmetic progression method –Gregory's series

TEXT BOOKS:

1. S.Narayanan and T.K.Manicavachagom Pillai, **Calculus Volume I**, S.Viswanathan
(Printers&Publishers) Pvt Limited , Chennai -2011.
2. S.Arumugam & others, **Trigonometry and Fourier series**, New Gamma
Publications -1999

UNIT – I	- Chapter III	Sections 1.1 to 2.2 & Chapter IV Section 2.1, 2.2 and Chapter V 1.1 to 1.4 of [1]
UNIT – II	- Chapter X	Sections 2.1 to 2.6 of [1]
UNIT – III	- Chapter 1	Sections 1.2 to 1.4 of [2]
UNIT – IV	- Chapter 2	Sections 2.1& 2.2 of [2]
UNIT – V	- Chapter 3 & Chapter 4	Sections 4.1,4.2 & 4.4 of [2]

REFERENCE(S)

1. S.Arumugam and Isaac, Calculus, Volume1, New Gamma Publishing House, 1991.
2. S. Narayanan, T.K. Manichavasagam Pillai, Trigonometry, S. Viswanathan Pvt
Limited, and Vijay Nicole Imprints Pvt Ltd, 2004.

CORE COURSE II
INTEGRAL CALCULUS

Objectives

1. To inculcate the basics of integration and their applications.
2. To study some applications of definite integrals.
3. To understand the concepts of Beta, Gamma functions

UNIT I

Revision of all integral models – simple problems -

UNIT II

Definite integrals - Integration by parts & reduction formula

UNIT III

Geometric Application of Integration-Area under plane curves: Cartesian co-ordinates -Area of a closed curve - Examples - Areas in polar co-ordinates.

UNIT IV

Double integrals – changing the order of Integration – Triple Integrals.

UNIT V

Beta & Gamma functions and the relation between them – Integration using Beta & Gamma functions

TEXT BOOK(S)

1. S.Narayanan and T.K.Manicavachagom Pillai, **Calculus Volume II**, S.Viswanathan (Printers & Publishers) Pvt Limited, Chennai -2011.

UNIT I : Chapter 1 section 1 to 10
UNIT II : Chapter 1 section 11, 12 & 13
UNIT III : Chapter 2 section 1.1, 1.2, 1.3 & 1.4
UNIT IV : Chapter 5 section 2.1, 2.2 & 4
UNIT V : Chapter 7 section 2.1 to 2.5

REFERNECE(S)

1. Shanti Narayan, Differential & Integral Calculus.

CORE COURSE III

DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS

OBJECTIVES:

1. To know the order and degree of the ODE's
2. To identify some specific methods and solve them
3. To make difference between ODE and PDE
4. To solve some standard methods
5. To know the concept of Laplace transforms and its inverse with applications

UNIT I

First order, higher degree differential equations solvable for x, solvable for y, solvable for dy/dx , Clairauts form – Conditions of integrability of $M dx + N dy = 0$ – simple problems.

UNIT II

Particular integrals of second order differential equations with constant coefficients - Linear equations with variable coefficients – Method of Variation of Parameters (Omit third & higher order equations).

UNIT III

Formation of Partial Differential Equation – General, Particular & Complete integrals – Solution of PDE of the standard forms - Lagrange's method - Solving of Charpit's method and a few standard forms.

UNIT IV

PDE of second order homogeneous equation with Constant coefficients – Particular integrals of the forms e^{ax+by} , $\sin(ax+by)$, $\cos(ax+by)$, $x^r y^s$ and $e^{ax+by}.f(x,y)$.

UNIT V

Laplace Transforms – Standard formulae – Basic theorems & simple applications – Inverse Laplace Transforms – Use of Laplace Transforms in solving ODE with constant coefficients.

TEXT BOOK

1. T.K.Manicavachagom Pillay & S.Narayanan, Differential Equations, S.Viswanathan Publishers Pvt. Ltd., 1996.
2. Arumugam & Isaac, Differential Equations, New Gamma Publishing House, Palayamkottai, 2003.

Unit : 1 Chapter IV – Sections 1,2 & 3, Chapter II – Section 6 [1]
Unit : 2 Chapter V – Sections 1,2,3,4 & 5, Chapter VIII – Section 4 [1]
Unit : 3 Chapter XII – Sections 1 – 6 [1]
Unit : 4 Chapter V [2]
Unit : 5 Chapter IX – Sections 1 – 8 [1]

Reference book:

1. M.D.Raisinghania , Ordinary and Partial Differential Equations, S.Chand & Co
2. M.K. Venkatraman, Engineering Mathematics, S.V. Publications, 1985 Revised Edition

CORE COURSE IV
ANALYTICAL GEOMETRY 3D

OBJECTIVES :

1. To study 3 dimensional Cartesian Co-ordinates system
2. To enable the students to develop their skill in 3 dimensions

UNIT I

Coordinates in space-Direction cosines of a line in space-angle between lines in space – equation of a plane in normal form. Angle between planes – Distance of a plane from a point.

UNIT II

Straight lines in space – line of intersection of planes – plane containing a line. Coplanar lines – skew lines and shortest distance between skew lines- length of the perpendicular from point to line.

UNIT III

General equation of a sphere-Section of sphere by plane-tangent planes –condition of tangency-system of spheres generated by two spheres - System of spheres generated by a sphere and plane.

UNIT IV

The equation of surface – cone – intersection of straight line and quadric cone – tangent plane and normal

UNIT V

Condition for plane to touch the quadric cone - angle between the lines in which the plane cuts the cone. Condition that the cone has three mutually perpendicular generators- Central quadrics – intersection of a line and quadric – tangents and tangent planes – condition for the plane to touch the conicoid

Books for Study

1. Shanthi Narayanan and Mittal P.K:Analytical Solid Geometry 16th Edition S.Chand & Co., New Delhi.
2. Narayanan and Manickavasagam Pillay, T.K. Treatment as Analytical Geometry S.Viswanathan (Printers & Publishers) Pvt. Ltd.,
Unit I : Chapter I, Sec 1.5 to 1.9, Chapter II Sec 2.1 to 2.3, Pages : 10-31,
Chapter II Sec 2.4 to 2.8 pages : 32-47 of [1]
Unit II : chapter III section 3.1-3.7, pages 55-89 of [1]
Unit III : Chapter VI Sec. 6.1 to 6.6 pages : 121-143 of [1]
Unit IV : Chapter V Sec.43 to 47 pages : 103-113 of [2]
Unit V: Chapter V Sec.49 to 53, Pages:115-125 of [2]

Book for Reference

1. P.Duraipandian & others- Analytical Geometry 3 Dimensional – Edition.

CORE COURSE V
SEQUENCES AND SERIES

OBJECTIVES :

1. To lay a good foundation for classical analysis
2. To study the behavior of sequences and series.

Unit I

Sequences – Bounded Sequences – Monotonic Sequences – Convergent Sequence – Divergent Sequences – Oscillating sequences

Unit II

Algebra of Limits – Behavior of Monotonic functions

Unit III

Some theorems on limits – subsequences – limit points : Cauchy sequences

Unit IV

Series – infinite series – Cauchy's general principal of convergence – Comparison – test theorem and test of convergence using comparison test (comparison test statement only, no proof)

Unit V

Test of convergence using D Alembert's ratio test – Cauchy's root test – Alternating Series – Absolute Convergence (Statement only for all tests)

Book for Study

Dr. S.Arumugam & Mr.A.Thangapandi Isaac Sequences and Series – New Gamma Publishing House – 2002 Edition.

Unit I : Chapter 3 : Sec. 3.0 – 3.5 Page No : 39-55

Unit II : Chapter 3 : Sec. 3.6, 3.7 Page No:56 – 82

Unit III : Chapter 3 : Sec. 3.8-3.11, Page No:82-102

Unit IV : Chapter 4 : Sec. (4.1 & 4.2) Page No : 112-128.

Unit V : Relevant part of Chapter 4 and Chapter 5: Sec. 5.1 & 5.2
Page No:157-167.

Book for Reference

1. Algebra – Prof. S.Surya Narayan Iyer
2. Algebra – Prof. M.I.Francis Raj

CORE COURSE VI

CLASSICAL ALGEBRA AND THEORY OF NUMBERS

Objectives

1. To lay a good foundation for the study of Theory of Equations.
2. To train the students in operative algebra.

Unit I

Relation between roots & coefficients of Polynomial Equations – Symmetric functions – Sum of the r^{th} Powers of the Roots

Unit II

Newtion's theorem on the sum of the power of the roots-Transformations of Equations – Diminshing, Increasing & Multiplying the roots by a constant - Reciprocal equations - To increase or decrease the roots of the equation by a given quantity.

Unit III

Form of the quotient and remainder – Removal of terms – To form of an equation whose roots are any power – Transformation in general – Descart's rule of sign

Unit IV

Inequalities – elementary principles – Geometric & Arithmetic means – Weirstrass inequalities – Cauchy inequality – Applications to Maxima & Minima.

Unit V

Theory of Numbers – Prime & Composite numbers – divisors of a given number N – Euler's Function (N) and its value – The highest Power of a prime P contained in $N!$ – Congruences – Fermat's, Wilson's & Lagrange's Theorems.

Text Book(s)

1. T.K.Manickavasagam Pillai & others Algebra Volume I.S.V. Publications – 1985 Revised Edition.
2. T.K. Manickavasagam Pillai & others Algebra Volume II, S.V.Publications – 1985 Revised Edition.

Unit I	:	Chapter 6 Section 11 to 13 of (1)
Unit II	:	Chapter 6 Section 14 to 17 of (1)
Unit III	:	Chapter 6 Section 18- 21 & 24 of (1)
Unit IV	:	Chapter 4 of (2)
Unit V	:	Chapter 5 of (2)

References :

1. H.S.Hall and S.R. Knight, Higher Algebra, Prentice Hall of India, New Delhi.
2. H.S. Hall and S.R.Knight, Higher Algebra, McMillan and Co., London, 1948.

NON-MAJOR ELECTIVE I
QUANTITATIVE APTITUDE I

Objectives :

1. To learn the problems solving techniques for aptitude problems
2. To enable to students prepare themselves for various competitive examinations

Unit I

Numbers – HCF – LCM – Problems on numbers

Unit II

Decimal Fractions and Simplification

Unit III

Surds and Indices – Percentage – Profit and Loss

Unit IV

Ratio and Proportion – Partnership – Allegation or Mixture

Unit V

Average – Problems on Age

Text Book:

Scope and treatment as in “Quantitative Aptitude” by R.S.Aggarwal, S.Chand & Company Ltd., Ram Nagar, New Delhi (2007)

Unit 1: (Chapters 1, 2 & 7)

Unit 2: (Chapter 3 & 4)

Unit 3: (Chapters 9, 10 & 11)

Unit 4: (Chapters 12, 13 & 20)

Unit 5: (Chapters 6 & 8)

CORE COURSE VII
VECTOR CALCULUS AND FOURIER SERIES

Objectives:

To provide the basic knowledge of vector differentiation & vector integration.
To solve vector differentiation & integration problems.

UNIT I

Vector differentiation –velocity & acceleration-Vector & scalar fields –Gradient of a vector- Directional derivative – divergence & curl of a vector solinoidal & irrotational vectors –Laplacian double operator –simple problems

UNIT II

Vector integration –Tangential line integral –Conservative force field –scalar potential- Work done by a force - Normal surface integral- Volume integral – simple problems.

UNIT III

Gauss Divergence Theorem – Stoke’s Theorem- Green’s Theorem – Simple problems & Verification of the theorems for simple problems.

UNIT IV

Fourier series- definition - Fourier Series expansion of periodic functions with Period 2π and period $2a$ – Use of odd & even functions in Fourier Series.

UNIT V

Half-range Fourier Series – definition- Development in Cosine series & in Sine series Change of interval – Combination of series

TEXT BOOK(S)

1. M.L. Khanna, Vector Calculus, Jai Prakash Nath and Co., 8th Edition, 1986.
2. S. Narayanan, T.K. Manicavachagam Pillai, Calculus, Vol. III, S. Viswanathan Pvt Limited, and Vijay Nicole Imprints Pvt Ltd, 2004.

UNIT – I - Chapter 1 Section 1 & Chapter 2 Sections 2.3 to 2.6 , 3 , 4 , 5 , 7 of [1]

UNIT – II - Chapter 3 Sections 1 , 2 , 4 of [1]

UNIT – III - Chapter 3 Sections 5 & 6 of [2]

UNIT – IV - Chapter 6 Section 1, 2, 3 of [2]

UNIT – V - Chapter 6 Section 4, 5.1, 5.2, 6, 7 of [2]

Reference:

1. P.Duraipandiyan and Lakshmi Duraipandian, Vector Analysis, Emerald publishers (1986).
2. Dr. S.Arumugam and prof. A.Thangapandi Issac, Fourier series, New Gamma publishing house (Nov 12)

CORE COURSE VIII

LINEAR ALGEBRA

Objectives

1. To facilitate a better understanding of vector space
2. To solve problems in linear algebra

Unit I Vector spaces:

Vector spaces – Definition and examples – Subspaces-linear transformation – Span of a set.

Unit II Basis and Dimension:

Linear Independence – Basis and Dimension – Rank and Nullity.

Unit III Matrix and Inner product space:

Matrix of a linear transformation -Inner product space – Definition and examples – Orthogonality – Gram Schmidt orthogonalisation process – Orthogonal Complement.

Unit IV Theory of Matrices:

Algebra of Matrices - Types of Matrices – The Inverse of a Matrix – Elementary Transformations – Rank of a matrix.

Unit V Characteristic equation and bilinear forms:

Characteristic equation and Cayley -Hamilton theorem – Eigen values and Eigen vectors

Textbook

1. Arumugam S and Thangapandi Isaac A, Modern Algebra, SciTech Publications (India) Ltd., Chennai, Edition 2012.

Unit1: Chapter 5, Sec 5.1 to 5.4

Unit2: Chapter 5, Sec 5.5 to 5.7

Unit3: Chapter 5, Sec 5.8, Chapter 6, Sec 6.1 to 6.3

Unit4: Chapter 7 Sec 7.1 to 7.5

Unit5: Chapter 7, Sec 7.7, 7.8

References

1. I. N. Herstein, Topics in Algebra, Second Edition, John Wiley & Sons (Asia), 1975.

NON- MAJOR ELECTIVE II

QUANTITATIVE APTITUDE II

Objectives :

1. To learn the problems solving techniques for aptitude problems
2. To enable to students prepare themselves for various competitive examinations

Unit I

Chain Rule – Time and Work – Pipes and Cisterns

Unit II

Time and Distance – Problems on Trains – Boats and Streams

Unit III

Simple Interest – Compound Interest - Stocks and Shares.

Unit IV

Clocks – Area – Volume and Surface Area.

Unit V

Permutations and Combinations.

Text Book:

Scope and treatment as in “Quantitative Aptitude “by R.S.Aggarwal, S.Chand & company limited, Ram Nagar, New Delhi - 2015

Unit1: (Chapters 14, 15 & 16)

Unit 2: (Chapters 21, 22 & 29)

Unit 3: (Chapters 17, 18 & 19)

Unit 4: (Chapters 24, 25 & 28)

Unit 5: (Chapters 30 & 31)

CORE COURSE IX

NUMERICAL METHODS WITH MATLAB PROGRAMMING

Objectives:

1. To introduce the exciting world of programming to the students through numerical methods.
2. To introduce the techniques of MATLAB programming.
3. To solve numerical problems using MATLAB programming.

UNIT I

MATLAB Environment : Getting Started – Solving Problems in MATLAB – Saving you works – Predefined MATLAB Functions – Using Predefined Functions – Manipulating Matrices – Computational Limitations-Special Values and Functions.

UNIT II

Plotting : Introduction Two Dimensional Plots – Three Dimensional Plotting – Editing Plots from the Menu Bar – Creating Plots from the Workshop Window – Programming in MATLAB : introduction – Problems with Two Variables – Input/Functions – Statement level Control Structures.

UNIT III

Numerical Techniques : Introduction – Curve Fitting: Linear and Polynomial Regression – Using the Interactive Fitting Tools – Numerical Integration – Numerical Differentiation.

UNIT IV

Curve Fitting – Linear and parabolic curves by the method of least squares principle-Solving algebraic and transcendental equations-Bisection method, false position method and Newton Raphson method – Solving simultaneous algebraic equation – Guass – seidal method – Guass elimination method.

UNIT V

Interpolation – Newton's forward and backward difference formulae – Lagrange's interpolation formulae – Numerical integration using Trapezoidal and Simpson's one – third rules – solution of ODE's = Euler method and Runge – Kutta fourth order method.

Books for Study

1. Delores M.Etter, David C.Kuncicky, Holly Moore. Introduction to MATLAB, Published by Dorling Kindersley (india) Pvt. Ltd., licenses of Pearson Education in South Asia.
2. M.K.Venkatraman, Numerical methods in Science and Engineering, National Publisher Company, Fifth Edition, 2001 (For Units IV and V).
Unit 1 : Chapter 2 & 3
Unit 2 : Chapter 4 & 5
Unit 3 : Chapter 8.
Unit 4 : Chapter 2 section 1.7-1.8, Chapter 3, section 2, 4 and 5, Chapter 4, section 2, 6 of (2).
Unit 5 : Chapter 6, sec 3, 4. Chapter 8, sec 4, Chapter 9, sec 8, 10, Chapter 11, sec 10, 16.

CORE COURSE X

REAL ANALYSIS

Objectives: To enable the students to

1. Understand the real number system and countable concepts in real number system
2. Provide a Comprehensive idea about the real number system.
3. Understand the concepts of Continuity, Differentiation and Riemann Integrals
4. Learn Rolle's Theorem and apply the Rolle's theorem concepts.

UNIT I

Real Number system – Field axioms –Order relation in \mathbb{R} . Absolute value of a real number & its properties –Supremum & Infimum of a set – Order completeness property – Countable & uncountable sets.

UNIT II

Continuous functions –Limit of a Function – Algebra of Limits – Continuity of a function –Types of discontinuities – Elementary properties of continuous functions – Uniform continuity of a function.

UNIT III

Differentiability of a function –Derivability & Continuity –Algebra of derivatives – Inverse Function Theorem – Daurboux's Theorem on derivatives.

UNIT IV

Rolle's Theorem –Mean Value Theorems on derivatives- Taylor's Theorem with remainder- Power series expansion .

UNIT V

Riemann integration –definition – Daurboux's theorem –conditions for integrability – Integrability of continuous & monotonic functions - Integral functions –Properties of Integrable functions - Continuity & derivability of integral functions – The Fundamental Theorem of Calculus and the First Mean Value Theorem.

TEXT BOOK(S)

1. M.K,Singhal & Asha Rani Singhal , A First Course in Real Analysis, R.Chand & Co., June 1997 Edition
2. Shanthi Narayan, A Course of Mathematical Analysis, S. Chand & Co., 1995

UNIT – I - Chapter 1 of [1]

UNIT – II - Chapter 5 of [1]

UNIT – III - Chapter 6 – Sec 1 to 5 of [1]

UNIT – IV - Chapter 8 – Sec 1 to 6 of [1]

UNIT – V - Chapter 6 – Sec 6.2, 6.3, 6.5, 6.7, 6.9 of [2]

REFERENCE(S)

1. Goldberge, Richard R, Methods of Real Analysis, Oxford & IBHP Publishing Co., New Delhi, 1970.

CORE COURSE XI

STATICS

OBJECTIVE:

1. To provide the basic knowledge of equilibrium of a particle.
2. To develop a working knowledge to handle practical problems.

UNIT I

Introduction – Forces acting at a point: Triangle of forces – Resolution of force – Condition of equilibrium.

UNIT II

Parallel forces and Moments: Resultant of parallel forces – Theorems on Moments – Moment about an axis – couples.

UNIT III

Equilibrium of three forces acting on a rigid body: Conditions of equilibrium – Trigonometrical theorems and problems - Coplanar forces: Reduction of Coplanar forces – Equation of Line of action of the resultant – Conditions of equilibrium

UNIT IV

Friction: Introduction – Laws of Friction – Definitions – Equilibrium of a particle on a rough inclined plane.

UNIT V

Equilibrium of strings: Equation of the Common Catenary -Parabolic Catenary.

TEXT BOOK:

M.K.Venkataraman, Statics, Agasthiyar Publications, 17th edition, 2014.

UNIT I -Chapter1, Chapter2.

UNIT II -Chapter 3, Chapter 4.

UNIT III -Chapter 5 (Section 1-6), Chapter 6 (Section 1-12).

UNIT IV -Chapter 7 (Section 1-13) Pages: 206 – 238.

UNIT V -Chapter 9 (Section 1- 8)

REFERENCE(S)

1. A.V.Dharmapadham, Statics, S.Viswanathan Publishers Pvt.Ltd, 2006.
2. P. Duraipandian, Laxmi Duraipandian and Muthamizh Jayapragasam, Mechanics S.Chand & Company PVT, LTD, 2014
3. S.L.Lony, Elements of Statics and Dynamics, Part-I, A.I.T.B.S.Publishers, 2007.

CORE PRACTICAL I

NUMERICAL METHODS WITH MATLAB PROGRAMMING (P)

Objectives:

1. To introduce the exciting world of programming to the students through numerical methods.
2. To introduce the techniques of MATLAB programming.
3. To solve numerical problems using MATLAB programming.

LIST OF PRACTICALS

1. Linear Interpolation
2. Linear Regression
3. Curve Fitting
4. Trapezoidal rule of integration
5. Simpson's 1/3 rule of integration
6. Newton – Raphson method of solving equations
7. Gauss – elimination method of solving simultaneous equations
8. Gauss – Seidal method of solving simultaneous equations
9. R-K fourth order method of solving differential equations
10. Lagrange's method of interpolation.

MAJOR BASED ELECTIVE I (A)
OPERATIONS RESEARCH

Objectives:

1. To introduce the various techniques of Operations Research.
2. To make the students solve real life problems in Business and Management

UNIT I

Linear programming problem - Mathematical formulation - Illustrations on Mathematical formulation on Linear Programming Problems - Graphical solution method - some exceptional cases - Canonical and standard forms of Linear Programming Problem - Simplex method.

UNIT II

Use of Artificial Variables (Big M method - Two phase method) - Duality in Linear Programming - General primal-dual pair - Formulating a Dual problem - Primal-dual pair in matrix form -Dual simplex method.

UNIT III

Transportation problem - LP formulation of the TP - Solution of a TP - Finding an initial basic feasible solution (NWCM - LCM -VAM) - Degeneracy in TP - Transportation Algorithm (MODI Method) - Assignment problem - Solution methods of assignment problem - special cases in assignment problem.

UNIT IV

Queuing theory - Queuing system - Classification of Queuing models - Poisson Queuing systems Model I (M/M/1)(∞ /FIFO) only - Games and Strategies - Two person zero sum - Some basic terms - the maximin-minimax principle -Games without saddle points-Mixed strategies - graphic solution $2 \times n$ and $m \times 2$ games.

UNIT V

PERT and CPM - Basic components - logical sequencing - Rules of network construction- Critical path analysis - Probability considerations in PERT.

Book for Study:

Kanti Swarup, P.K. Gupta and ManMohan, Operations Research, 13th edition, Sultan Chand and Sons, 2007.

Unit 1: Chapter 2 Sec 2.1 to 2.4, Chapter 3 Sec 3.1 to 3.5, Chapter 4 Sec 4.1 , 4.3

Unit 2: Chapter 4 Sec 4.4, Chapter 5 Sec 5.1 to 5.4, 5.9

Unit 3: Chapter 10 Sec 10.1, 10.2, 10.8, 10.9, 10.12, 10.13, Chapter 11 Sec 11.1 to 11.4

Unit 4: Chapter 21 Sec 21.1, 21.2, 21.7 to 21.9, Chapter 17 Sec 17.1 to 17.6

Unit 5: Chapter 25 Sec 25.1 to 25.4, 25.6, 25.7

Book for Reference:

1. Sundaresan.V, Ganapathy Subramanian. K.S. and Ganesan.K, Resource Management Techniques, A.R. Publications, 2002.
2. Taha H.A., Operations Research: An introduction, 7th edition, Pearson Prentice Hall, 2002.

MAJOR BASED ELECTIVE I (B)

STOCHASTIC PROCESSES

OBJECTIVES

1. To know probability and distribution function
2. To understand the concept Stochastic Process
3. To identify Markov chains ,Poisson Process and Birth and death Process
4. To know the concept of queuing theory with some examples

UNIT I

Generating function - Laplace transforms - Laplace transforms of a probability distribution function - Difference equations - Differential difference equations - Matrix analysis.

UNIT II

Stochastic Process - Notion - Specification - Stationary Process - Markov Chains - Definition and examples - Higher transition probabilities.

UNIT III

Classification of states and chains - Determination of higher transition probabilities - Stability of Markov system - Limiting behaviour.

UNIT IV

Poisson Process and related distributions - Generalization of Poisson Process - Birth and death process.

UNIT V

Stochastic Process in queuing and reliability - queuing systems - M/M/1 models - Birth and death process in queuing theory - Multi channel models - Bulk Queues.

TEXT BOOK

J.Medhi, Stochastic Processes, Chapters 1,2,3 (Omitting 3.6,3.7,3.8), Chapter 4 (Omitting 4.5 and 4.6) and Chapter 10 (Omitting 10.6,10.7).

Unit 1: Chapter 1 - Sec 1.1, 1.2, 1.3, Appendix A 1, 2, 3, 4.

Unit 2: Chapter 2 - Sec 2.1, 2.2, 2.3 & Chapter 3 - Sec 3.1, 3.2.

Unit 3: Chapter 3 - Sec 3.4, 3.5, 3.6.

Unit 4: Chapter 4 - Sec 4.1, 4.2, 4.3, 4.4

Unit 5: Chapter 10 - Sec 10.1, 10.2, 10.3, 10.4, 10.5

REFERENCES

[1] First Course in Stochastic Processes by Samuel Karlin.

[2] Stochastic Processes by Srinivasan and Metha (TATA McGraw Hill).

[3] Elements of Applied Stochastic Processes by V.Narayan.

CORE COURSE XII
ABSTRACT ALGEBRA

Objectives

1. To introduce the concept of Algebra from the basic set theory and Functions, etc.
2. To introduce the concept of Group theory and Rings.

UNIT I

Groups : Definition and Examples – Elementary Properties of a Group – Equivalent Definitions of a Group.-Permutation Groups

UNIT II

Subgroups - Cyclic Groups-Order of an Element – Cosets and Lagrange’s Theorem .

UNIT III

Normal Subgroups and Quotient Groups - Isomorphism –Homomorphism

UNIT IV

Rings: Definitions and Examples - Elementary properties of rings –Isomorphism - Types of rings.-Characteristic of a ring – subrings – Ideals - Quotient rings

UNIT V

Maximal and Prime Ideals.-Homomorphism of rings – Field of quotient of an integral domain – unique factorization domain-Euclidean domain

Textbook

1. S Arumugam and A Thangapandi Isaac, Modern Algebra, SciTech Publications, Chennai, 2003.

Unit 1: Chapter 3 Sections 3.1-3.4

Unit 2: Chapter 3 Sections 3.5-3.8

Unit 3: Chapter 3 Sections 3.9-3.11

Unit 4: Chapter 4 Sections 4.1-4.8

Unit 5: Chapter 4 Sections 4.9- 4.11, 4.13-14

References

1. N. Herstein, Topics in Algebra, John Wiley & Sons, Student 2nd edition, 1975.
2. Vijay, K. Khanna and S.K. Bhambri, A Course in Abstract Algebra, Vikas Publishing House Pvt. Ltd.

CORE COURSE XIII
COMPLEX ANALYSIS

Objectives: To enable the students to

1. Understand the functions of complex variables, continuity and differentiation of complex variable functions, $C - R$ equations of analytic functions.
2. Learn about elementary transformation concepts in complex variable.
3. Know about complex Integral functions with Cauchy's Theorem, power series expansions of Taylor's and Laurant's series.
4. Understand the singularity concepts and residues, solving definite integrals using the residue concepts.

UNIT I

Functions of a Complex variable -Limits-Theorems on Limits -Continuous functions - Differentiability - Cauchy-Riemann equations - Analytic functions -Harmonic functions.

UNIT II

Elementary transformations - Bilinear transformations - Cross ratio - fixed points of Bilinear Transformation - Some special bilinear transformations.

UNIT III

Complex integration - definite integral - Cauchy's Theorem -Cauchy's integral formula -Higher derivatives - .

UNIT IV

Series expansions - Taylor's series - Laurant's Series - Zeroes of analytic functions - Singularities.

UNIT V

Residues - Cauchy's Residue Theorem -Evaluation of definite integrals.

TEXT BOOK(S)

1. S.Arumugam, A.Thangapandi Isaac, & A.Somasundaram, Complex Analysis, New Scitech Publications (India) Pvt Ltd, 2002.
UNIT - I -Chapter 2 section 2.1 to 2.8 of Text Book
UNIT - II -Chapter 3 Sections 3.1 to 3.5 of Text Book
UNIT - III -Chapter 6 sections 6.1 to6.4 of Text Book
UNIT -IV -Chapter 7 Sections 7.1 to 7.4 of Text Book
UNIT - V -Chapter 8 Sections 8.1 to 8.3 of Text Book

REFERENCE(S)

1. J.N. Sharma, Functions of a Complex variable, Krishna Prakasan Media(P) Ltd, 13th Edition, 1996-97.
2. T.K.Manickavachaagam Pillai, Complex Analysis, S.Viswanathan Publishers Pvt Ltc, 1994.

CORE COURSE XIV

DYNAMICS

OBJECTIVE:

1. To provide a basic knowledge of the behavior of objects in motion.
2. To develop a working knowledge to handle practical problems.

UNIT I

Introduction-Kinematics: Velocity-Relative Velocity-Angular Velocity-Acceleration-Relative Acceleration-Motion in a straight line under uniform acceleration.

UNIT II

Projectile: Projectile-Path of a projectile-Characteristics-Horizontal projection-Projectile up/down an inclined plane-Enveloping parabola.

UNIT III

Collision of Elastic Bodies: Introduction-Definitions-Fundamental Laws of impact-Impact of a smooth sphere on a fixed smooth plane-Direct impact of two smooth spheres-Oblique impact of two smooth spheres-Dissipation of energy due to impact-Compression and Restitution-Impact of a particle on a rough plane.

UNIT IV

Simple Harmonic Motion: Introduction-S.H.M. in straight line-Compositions of simple harmonic motions of the same period.

UNIT V

Motion Under The action Of Central Forces: Velocity and acceleration in polar coordinates-Equiangular spiral-Differential Equation of central orbits-Pedal Equation of the central orbit-Two-fold problems in central orbits.

TEXT BOOK:

1. Dr.M.K.VENKATARAMAN, Dynamics, Agasthiyar Publications, Thirteenth Edition, July 2009.

UNIT I	-Chapter2, Chapter 3, Section 3.1-3.22
UNIT II	-Chapter6, Sections 6.1-6.17
UNIT III	-Chapter8, Sections 8.1-8.11
UNIT IV	-Chapter 10, Sections 10.1-10.13
UNIT V	-Chapter 11, Sections 11.1-11.13

REFERENCE(S)

1. P. Duraipandian, Laxmi Duraipandian and Muthamizh Jayapragasam, Mechanics S.Chand &Company PVT, LTD, 2014
2. A.V.Dharmapadham, Dynamics, S, Viswanathan Publishers Pvt.Ltd. 2006.

MAJOR BASED ELECTIVE II (A)

GRAPH THEORY

Objectives

1. To introduce the notion of graph theory and its applications.
2. To learn the techniques of combinatorics in Graph Theory.

UNIT I

Introduction - The Konigsberg Bridge Problem - Graphs and subgraphs: Definition and Examples - Degrees - Subgraphs - Isomorphism. –independent sets and coverings.

UNIT II

Matrices - Operations on Graphs - Walks, Trails and Paths – Connectedness and Components - Eulerian Graphs.

UNIT III

Hamiltonian Graphs (Omit Chavatal Theorem) - Characterization of Trees - Centre of a Tree.

UNIT IV

Planarity: Introduction - Definition and Properties - Characterization of Planar Graphs.

UNIT V

Directed Graphs: Introduction - Definitions and Basic Properties – Some Applications: Connector Problem - Kruskal's algorithm - Shortest Path Problem – Dijkstra's algorithm.

Textbook

1. S. Arumugam and S. Ramachandran, Invitation to Graph Theory, SciTech Publications (India) Pvt. Ltd., Chennai, 2006.

UNIT-I Chapter-1 Sec 1.0, 1.1 and Chapter -2 Sec 2.0, 2.1, 2.2, 2.3, 2.4.2.6

UNIT-II Chapter-2 Sec 2.8,2.9 ,Chapter-4 Sec 4.1,4.2 and Chapter-5 Sec 5.0,5.1

UNI-III Chapter-5 Sec 5.2, Chapter-6 Sec 6.0, 6.1, 6.2.

UNIT-IV Chapter-8 Sec 8.0, 8.1, 8.2.

UNIT-V Chapter-10 Sec 10.0, 10.1 Chapter-11 Sec 11.0, 11.1, 11.2

References

1. Narsingh Deo, Graph Theory with applications to Engineering and Computer Science, Prentice Hall of India, 2004.
2. Gary Chartrand and Ping Zhang, Introduction to Graph Theory, Tata McGraw-Hill Edition, 2004.

MAJOR BASED ELECTIVE II (B)

MATHEMATICAL MODELLING

OBJECTIVES

1. To study the mathematical models through ode and difference equations
2. To train the students to develop mathematical models in real life problems

UNIT I

Mathematical Modelling through Ordinary Differential Equations of First order : Linear Growth and Decay Models – Non-Linear Growth and Decay Models – Compartment Models – Dynamic problems – Geometrical problems.

UNIT II

Mathematical Modelling through Systems of Ordinary Differential Equations of First Order : Population Dynamics – Epidemics – Compartment Models – Economics – Medicine, Arms Race, Battles and International Trade – Dynamics.

UNIT III

Mathematical Modelling through Ordinary Differential Equations of Second Order : Planetary Motions – Circular Motion and Motion of Satellites – Mathematical Modelling through Linear Differential Equations of Second Order – Miscellaneous Mathematical Models.

UNIT IV

Mathematical Modelling through Difference Equations : Simple Models – Basic Theory of Linear Difference Equations with Constant Coefficients – Economics and Finance – Population Dynamics and Genetics – Probability Theory.

UNIT V

Mathematical Modelling through Graphs : Solutions that can be Modelled Through Graphs – Mathematical Modelling in Terms of Directed Graphs, Signed Graphs, Weighted Digraphs and Unoriented Graphs.

TEXT BOOK(S)

1. J.N. Kapur, Mathematical Modelling, Wiley Eastern Limited, New Delhi, 1988.
Unit 1: Chap 2, Sec 2.1 – 2.6
Unit 2: Chap 3, Sec 3.1 – 3.6
Unit 3: Chap 4, Sec 4.1 – 4.4
Unit 4: Chap 5, Sec 5.1 – 5.5
Unit 5: Chap 7, Sec 7.1 – 7.5

REFERENCE(S)

1. J.N. Kapur, Mathematical Models in biology and Medicine, EWP, New Delhi, 1985.

MAJOR BASED ELECTIVE III (A)

ASTRONOMY

Objectives:

1. To introduce the exciting world of astronomy to the students.
2. To help the students to study spherical trigonometry in the field of astronomy.
3. To understand the movements of the celestial objects.

UNIT I

Relevant properties of sphere and formulae in spherical trigonometry (no proof, no problems) - Celestial sphere and diurnal motion - Celestial coordinates - sidereal time.

UNIT II

Morning and evening stars - circumpolar stars - diagram of the celestial sphere - zones of earth - perpetual day - dip of horizon - twilight.

UNIT III

Refraction - laws of refraction - tangent formula - Cassini's formula - horizontal refraction - geocentric parallax - horizontal parallax.

UNIT IV

Kepler's laws - verification of 1st and 2nd laws in the case of earth - Anomalies - Kepler's equation - Seasons - causes - kinds of years.

UNIT V

Moon - sidereal and synodic months - elongation - phase of moon - eclipses - umbra and penumbra - lunar and solar eclipses - ecliptic limits - maximum and minimum number of eclipses near a node and in a year - Saros.

Book for Study:

1. Kumaravel, S. and Susheela Kumaravel, *Astronomy*, 8th Edition, SKV Publications, 2004.

Unit 1: Sec: 39-79

Unit 2: Sec: 80-90, 106-116

Unit 3: Sec: 117-144

Unit 4: Sec: 146-162, 173-178

Unit 5: Sec: 229-241, 256-275

Book for Reference:

1. G V Ramachandran, Text Book of Astronomy, Mission Press, Palayamkottai, 1965.

MAJOR BASED ELECTIVE III (B)

NUMBER THEORY

OBJECTIVES :

1. To highlight the niceties and nuances in the world of numbers.
2. To prepare the students for coding through congruences.

Unit I

Euclid's Division Lemma – Divisibility – The Linear Diophantine Equation – The Fundamental Theorem of Arithmetic

Unit II

Permutations and Combinations – Fermat's Little Theorem – Wilson's Theorem – Generating Functions

Unit III

Basic Properties of Congruences Residue Systems. Linear Congruences – The Theorems of Fermat and Wilson Revisited.

Unit IV

The Chinese Remainder Theorem – Polynomial Congruences – Combinational Study of $F(n)$.

Unit V

Formulae for $d(n)$ and $s(n)$ – Multiplicative Arithmetic Function – The Mobius Inversion Formula.

Books for Study

1. Number Theory by George E.Andrews, Hindustan Publishing Corporation – 1984, Edition.

Unit I	: Chapter - 2 Sec. 2.1 – 2.4 pages 12-29
Unit II	: Chapter – 3 Sec. 3.1, 3.4 pages 30-44
Unit III	: Chapter – 4Sec. 4.1 – 4.2 Pages 49 – 55, Sec. 5.1- 5.2 Pages 58-65
Unit IV	: Chapter – 4 Sec. 5.3 – 5.4 pages 66-74, Sec. 6.1 Pages 75-81
Unit V	: Chapter – 5 Sec. 6.2 – 6.3 Pages 82-92

Books for Reference

1. Basic Number Theory by S.B.Malik, Vikas Publishing House Pvt. Ltd.,
2. A First Course Theory of Numbers by K.C.Chowdhury. Asian Books Pvt. Ltd., I Edition (2004)

NON MAJOR ELECTIVE COURSE I
ADVERTISEMENT MANAGEMENT

Objective : To make the students to understand the Objectives and Functions of Advertisement.

Module I : Introductory Aspects of Advertisement

Meaning of Advertising - Purpose and Functions – Objectives and Role.

Module II : Creativity and its Role

Creativity – Meaning and Sources - Development of Creative Strategy – Government Regulation- Restrictions.

Module III : Advertising Strategy & Planning

Advertising Strategy & Planning and Organisation - Contribution of Advertising – Strategy- Level of decision making- Factors influencing organizational features.

Module IV : Advertising Budget and Research

Advertising Budget – Advertisement as Investment – Advertisement Budget Making process.

Module V : Future Trend in Advertisement

Role of Advertising Agents - Competition among Agencies - Ethics and Morale of Advertisement.

References :

1. Patel, J.S.K.(1988), Salesmanship & Publicity, Sultan Chand & Sons, New Delhi.
2. Sontakki , C.N. (1989), Advertising, Kalyani Publishers, Ludhiana.
3. Bastia, G.R. & Sharma, N.R.(1996), Effecting Advertising Marketing and Sales Management, Mangal Deep Publication, Jaipur.
4. Kumar, K.J.,Sethia, K.C., Subramanian G.V. and Suchank (1999), Advertising Theory and Practice, Himalaya Publishing House, Mumbai.
5. Mathur, U.G. (2002), Advertising Management, New Age International Publishers, New Delhi.
6. Kapoor,(2004), Marketing and Sales Management, Sultan Chand & Company Ltd, New Delhi.
7. Sangeetha Sharma Reghuvir Singh(2004), Advertising Planning and Implementation, PHI-Learning Pvt Ltd, New Delhi.
8. Jain.J.N&Singh,p.p.(2007), Modern Advertising Management-Principles and Techniques, Regal Publications, New Delhi.
9. Gupta, S.L., Ratna, V.V.(2011) Advertising and Sales Promotion Management- An Indian Perspective Text and Cases, Sultan Chand & Sons, New Delhi.

NON MAJOR ELECTIVE COURSE II
ECONOMICS OF TRANSPORTATION

Objective : To make the students understand the modes of Transport.

Module I : Meaning and Classification of Transport

Meaning and Classification of Transport - Land –Water- Air and other modes of transports - Economic, Political, Social, Cultural Significances and drawbacks.

Module II : Railways

Railways – Features- Monopoly- Public Utility-Large Scale Operation- Railway Development in Five Year Plans - Route Length – Goods Traffic – Productivity – Railway Finance- Administration- Railway Research – Training of Staff- Consultancy- Rates and Fares- Administrative Control – Problems of railways.

Module III : Road Transport

Road Transport- Roads – Vehicles – Significance- Characteristics- Competition –Monopoly – Nationalisation- Road Development during Plans- Road Finance – Regulation – Taxation – Current problems of motor transport.

Module IV : Water Transport

Water Transport- Advantages- Limitations- Problems and Prospects – Features of Shipping policy- Competition- Ports and Harbors- Current Problems- Inland water transport.

Module V : Air Transportation

Air Transportation - Nature and Significance- Revenue and Expenditure- Rates and Fares - Competition and Monopoly - State Regulation- Recent developments – Transport Policy- Transport competition and Coordination - Methods of Coordination- Coordination in India.

Reference:

1. Sankaran, S.(2010), Indian Economy, Margham Publications, Chennai.



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI- 620 024

ENVIRONMENTAL STUDIES – Syllabus (updated on 21.11.2016)

(Applicable to the candidates admitted from the Academic year 2016-17 onwards)

- Unit: 1** The Multidisciplinary nature of environmental studies
Definition, scope and importance. (2 lectures)
Need for public awareness
- Unit: 2** Natural Resources:
Renewable and non-renewable resources:
Natural resources and associated problems.
- a) Forest resources: use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
 - b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems.
 - c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
 - e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies.
 - f) Land resources: Land as a resources, land degradation, man induced Landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
 - Equitable use of resources for sustainable lifestyles.
- (8 lectures)
- Unit: 3** **Ecosystems**
- Concept of an ecosystem.
 - Structure and function of an ecosystem.
 - Producers, consumers and decomposers
 - Energy flow in the ecosystem
 - Ecological succession.
 - Food chains, food webs and ecological pyramids
 - Introduction, types, characteristic features, structure and function of the following ecosystem:-

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems, (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lectures)

Unit: 4 **Biodiversity and its conservation**

- Introduction – Definition : Genetic, species and ecosystem diversity
- Biogeographical classification of India
- Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values
- Biodiversity at global, National and local levels
- India as a mega-diversity nation
- Hot-spots of biodiversity
- Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts.
- Endangered and endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

(8 lectures)

Unit: 5 **Environmental Pollution**

Definition

Causes, effects and control measures of :

- a. Air Pollution
- b. Water Pollution
- c. Soil Pollution
- d. Marine Pollution
- e. Noise pollution
- f. Thermal Pollution
- g. Nuclear hazards

- Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution
- Pollution case studies
- Disaster management: floods, earthquake, cyclone and landslides.
- Ill-Effects of Fireworks: Firework and Celebrations, Health Hazards, Types of Fire, Firework and Safety

Unit: 6 **Social Issues and the Environment**

- From Unsustainable to Sustainable development.
 - Urban problems related to energy.
 - Water conservation, rain water harvesting, watershed management.
 - Resettlement and rehabilitation of people; its problems and concerns.
- Case studies
- Environmental ethics: Issues and possible solutions.
 - Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
 - Wasteland reclamation.
 - Consumerism and waste products.
 - Environment Protection Act.
 - Air (Prevention and Control of Pollution) Act.
 - Water (Prevention and Control of Pollution) Act.
 - Wildlife Protection Act.
 - Forest Conservation Act.
 - Issues involved in enforcement of environmental legislation
 - Public awareness.

(7 lectures)

Unit: 7 **Human Population and the Environment**

- Population growth, variation among nations.
- Population explosion – Family Welfare Programmes
- Environment and human health
- Human Rights - Value Education
- HIV/ AIDS - Women and Child Welfare
- Role of Information Technology in Environment and human health
- Case studies.

Unit: 8 **Field Work**

- Visit to a local area to document environmental assets-river / forest/ grassland/ hill / mountain

References:

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Public Ltd Bikaner.
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt Ltd, Ahamedabad – 380013, India, E-mail: mapin@icenet.net(R)
3. Brunner R.C. 1989, Hazardous Waste Incineration, McGraw Hill Inc 480 p
4. Clark R.S. Marine Pollution, Clanderson Press Oxford (TB)
5. Cunningham, W.P.Cooper, T.H.Gorhani E & Hepworth, M.T. 2001.
6. De A.K. Environmental Chemistry, Wiley Eastern Ltd
7. Down to Earth, Centre for Science and Environment (R)
8. Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford University, Press 473p.
9. Hawkins, R.E. Encyclopedia of India Natural History, Bombay Natural History Society, Bombay (R)
10. Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment. Cambridge University Press 1140 p.
11. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws Himalaya Pub. House, Delhi 284 p.
12. Mckinney, M.L. & Schoch R.M. 1996. Environmental Science systems & Solutions, Web enhanced edition 639 p.
13. Mhaskar A.K. Matter Hazardous, Techno-Science Publications (TB)
14. Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
15. Odum, E.P. 1971 Fundamentals of Ecology. W.B. Saunders Co. USA. 574 p
16. Rao MN & Datta, A.K. 1987 Waste Water treatment, Oxford & IBH Publication Co. Pvt Ltd 345 p.
17. Sharma B.K. 2001 Environmental chemistry Goel Publ House, Meerut.
18. Survey of the Environment, The Hindu (M).
19. Townsend C. Harper, J and Michael Begon, Essentials of Ecology, Blackwell science (TB)
20. Trivedi R.K. Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards, Vol. I and II, Enviro Media (R).
21. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science Publications (TB).
22. Wagner K.D. 1998 Environmental Management. W.B. Saunders Co. Philadelphia USA 499 p

(M) Magazine (R) Reference (TB) Textbook

OFFICE MANAGEMENT

Skill Based Elective I (Semester IV)

INTRODUCTION TO OFFICE MANAGEMENT

UNIT I

Office management – Meaning – Elements of office management – Functions of office management.

UNIT II

Office organization – Definition, Characteristics and Steps – Types of Organization – Functions of an Office administrator

UNIT III

Office record management – Importance – Filing essentials –Classification and arrangement of files-Modern methods of filing-Modern filing devices

UNIT IV

Office Communication – Correspondence and Report writing –Meaning of office communication & mailing

UNIT V

Form letters –Meaning, Principles, and Factors to be considered in designing office forms – Types of report writing

TEXT BOOKS RECOMMENDED:

1. Fundamentals of office management – by J.P.Mahajan,
2. OfficeManagement by S.P.Arrora
3. Office Management – R.S.N.Pillai & Bagavathi- S.Chand.

Skill Based Elective II (Semester V)
OFFICE MANAGEMENT TOOLS

UNIT I Computer Fundamentals

Computer and Operating system Fundamentals – Components of a computer system –Input and Output devices – Memory Handling –Storage Device s

UNIT II MS -Word

Introduction to MS-Word and User Utilities – Exploring Template and Formation of Documents – Table handling –Mail Merge and Print Process

UNIT III MS – Excel

Spreadsheet –workbook window –Formatting Cells / Worksheet – Working with Formula, Function and Charts – Filtering data and Printing a Presentation

UNIT IV MS – Power Point

Introduction to MS –Power Point –Creating Templates – Font and color editing – Adding – Multimedia effects – Consolidating using MS-Power Point

UNIT V Officer Appliances

Accounting machine – Addressing machine – Envelope Sealing machine – Franking machine & other modern office gadgets

TEXT BOOKS RECOMMENDED:

1. Computer Application in Business –Dr.S.V.Srinivasa Vallabhan, Sultan Chand and Sons, New Delhi
2. MS-Office and Internet by Alexis Leon
3. Computer Application in Business – K.Mohan Kumar, Vijay Nicole imprints Private Limited Dr.S.Rajkumar –Chennai
4. Computer Basics – V.Rajaraman – PHI.
5. Office Management – R.S.N.Pillai & Bagavathi – S.Chand

Skill Based Elective III (Semester V)
COMMUNICATION AND INTERPERSONAL SKILLS

UNIT I **Basic Communication**

Communication – Meaning and Definition – Medium of Communication –
Barriers to Communication

UNIT II **Listening**

Needs and Advantages of Listening – Active – Elements of active listening with
reading - coherence of listening with reading and Speaking

UNIT III **Speaking**

Features of effective speech – Role play-Conversation building –Topic
presentation – Group Discussions

UNIT IV **Reading**

Comprehensive of Technical and Non- Technical Material – Skimming Scanning
– inferring Guessing

UNIT V **Writing**

Writing Effective Sentences – Cohesive writing – Clarity and Conciseness in
writing –Resumes and job applications

TEXT BOOKS RECOMMENDED:

1. Basic Communication Skills by p.Kiranmani Dutt and Geetha Rajeevan
2. Business Scenarios by Heidi Schuttz Ph.D
3. Business Communication –Asha Kaul – PHI.
4. Business Communication – Sathya Swaroop Debasish & Bhagaban Das –
PHI
5. Business Communication – NS Raghunathan & Santhanam – Marghum.



SOFT SKILLS DEVELOPMENT

Learning Objective

Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

Unit I

Know Thyself/ Understanding Self

Introduction to Soft skills-Self discovery-Developing positive attitude-Improving perceptions-Forming values

Unit II

Interpersonal Skills/ Understanding Others

Developing interpersonal relationship-Team building-group dynamics-Net working-Improved work relationship

Unit III

Communication Skills / Communication with others

Art of listening-Art of reading-Art of speaking-Art of writing-Art of writing e-mails-e mail etiquette

Unit IV

Corporate Skills / Working with Others

Developing body language-Practising etiquette and mannerism-Time management-Stress management

Unit V

Selling Self / Job Hunting

Writing resume/cv-interview skills-Group discussion- Mock interview-Mock GD – Goal setting - Career planning

TEXT BOOKS:

Meena.K and V.Ayothi (2013) A Book on Development of Soft Skills (Soft Skills : A Road Map to Success), P.R. Publishers & Distributors, No, B-20 & 21, V.M.M. Complex, Chatiram Bus Stand, Tiruchirappalli- 620 002.

(Phone No: 0431-2702824: Mobile No: 94433 70597, 98430 74472)

Alex K. (2012) Soft Skills – Know Yourself & Know the World, S.Chand & Company LTD, Ram Nagar, New Delhi- 110 055.

Mobile No : 94425 14814 (Dr.K.Alex)

REFERENCE BOOKS:

- (i) Developing the leader within you John c Maxwell
- (ii) Good to Great by *Jim Collins*
- (iii) The seven habits of highly effective people Stephen Covey
- (iv) Emotional Intelligence Daniel Goleman
- (v) You can win Shive Khera
- (vi) Principle centred leadership Stephen Covey



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI- 620 024.

Applicable to the candidates admitted from the Academic year 2015-16 onwards

Part IV - VALUE EDUCATION (Revised syllabus)

Unit I Philosophy of Life and Social Values

Human Life on Earth (Kural 629) Purpose of Life (Kural 46) Meaning and Philosophy of Life (Kural 131, 226) Family (Kural 45), Peace in Family (Kural 1025) Society (Kural 446), The Law of Life (Kural 952), Brotherhood (Kural 807) Five responsibilities / duties of Man (a) to himself (b) to his family (c) to his environment (d) to his society, (e) to the Universe in his lives (Kural 43, 981).

Unit II Human Rights and Organisations

Definitions, Nature of Human Rights. Universal Declaration of Human Rights, International covenant on Civil and Political Rights - International covenant of Economic, Social and Cultural Rights. Amnesty International Red Cross.

Unit III Human Rights : Contemporary Challenges

Child labour - Womens Right - Bonded labour - Problems of refugees - Capital punishment. National and State Human Rights Commissions

Unit IV Yoga and Health

Definition, Meaning, Scope of Yoga - Aims and objectives of Yoga - Yoga Education with modern context - Different traditions and schools of Yoga - Yoga practices: Asanas, Pranayama and Meditation.

Unit V Role of State Public Service Commission

Constitutional provisions and formation - Powers and Functions - Methods of recruitment - Rules and notification, syllabi for different exams - written and oral - placement.

BOOKS FOR REFERENCES:

1. Thirukkural with English Translation of Rev. Dr. G.U. Pope, Uma Publication, 156, Serfoji Nagar, Medical College Road, Thanjavur 613 004
2. திருக்குறள் - ஜி.யு.போப் - ஆங்கில மொழியாக்கத்துடன் உமா நூல். வெளியீட்டகம், தஞ்சாவூர்.
3. Leah Levin, Human Rights, NBT, 1998
4. V.R. Krishna Iyer, Dialectics and Dynamics of Human Rights in India, Tagore Law Lectures.
5. Yogic Therapy - Swami Kunalayananda and Dr.S.L.Vinekar, Government of India, Ministry of Health, New Delhi.
6. SOUND HEALTH THROUGH YOGA - Dr.K.Chandrasekaran, Prem Kalyan Publications, Sedapatti, 1999.



(For the candidates admitted from the academic year 2016-2017 onwards)

Sem	Course	Course Title	Ins. Hrs / Week	Credit	Exam Hrs	Marks		Total
						Int.	Ext.	
I	Core Course – I (CC)	Algebra	6	5	3	25	75	100
	Core Course – II (CC)	Real Analysis	6	5	3	25	75	100
	Core Course – III (CC)	Ordinary Differential Equations	6	5	3	25	75	100
	Core Course – IV (CC)	Graph Theory	6	5	3	25	75	100
	Core Course - V (CC)	Integral Equations, Calculus of Variations and Transforms	6	5	3	25	75	100
	TOTAL			30	25			
II	Core Course – VI (CC)	Complex Analysis	6	5	3	25	75	100
	Core Course – VII (CC)	Linear Algebra	6	5	3	25	75	100
	Core Course – VIII(CC)	Partial Differential Equations	6	5	3	25	75	100
	Elective Course – I (EC)		6	3	3	25	75	100
	Elective Course – II (EC)		6	3	3	25	75	100
	TOTAL			30	21			
III	Core Course – IX (CC)	Classical Dynamics	6	5	3	25	75	100
	Core Course – X (CC)	Measure and Integration	6	5	3	25	75	100
	Core Course – XI(CC)	Topology	6	5	3	25	75	100
	Elective Course – III (EC)		6	3	3	25	75	100
	Elective Course – IV (EC)		6	3	3	25	75	100
	TOTAL			30	21			
IV	Core Course – XII (CC)	Functional Analysis	6	5	3	25	75	100
	Core Course – XIII (CC)	Differential Geometry	6	5	3	25	75	100
	Core Course – XIV(CC)	Advanced Numerical Analysis	6	5	3	25	75	100
	Elective Course – V (EC)		6	3	3	25	75	100
	Project		6	5	-	-	-	100
	TOTAL			30	23			
GRAND TOTAL			120	90				2000

List of Elective Courses (For 2016 – 2017) :

Elective I		Elective II	
1	Advanced Probability Theory	1	Stochastic Processes
2	Mathematical Modeling	2	Tensor Analysis and Special Theory of Relativity
3	Fuzzy sets and their Applications	3	Non linear Differential Equations
Elective III		Elective IV	
1	Design and Analysis of Algorithms	1	Financial Mathematics
2	Discrete Mathematics	2	Advanced Operations Research
3	Automata Theory	3	Combinatorics
Elective V			
1	Algebraic Topology		
2	Fluid Dynamics		
3	Algebraic Number Theory		

Note:

Project :100 Marks
 Dissertation : 80 Marks
 Viva Voice : 20 Marks

Core Papers - 10
 Core Practical - 4
 Elective Papers - 5
 Project - 1

Note:

1. Theory	Internal	25 marks	External	75 marks
2. Practical	”	40 marks	”	60 marks

Note:

1. Theory Internal 25 marks External 75 marks
2. Practical ” 40 marks ” 60 marks
3. Separate passing minimum is prescribed for Internal and External
 - a) The passing minimum for CIA shall be 40% out of 25 marks (i.e. 10 marks)
 - b) The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks)
 - c) The passing minimum not less than 50% in the aggregate.

Reference/Text Books contain the following details:

- I. Name of the Author
- II. Title of the Book
- III. Name of the Publisher
- IV. Year

CORE COURSE I

ALGEBRA

Objectives

1. To give foundation in Algebraic structures like Groups ,Rings
2. To train the students in problem solving in Algebra

UNIT I

GROUP THEORY: A counting principle – Normal Subgroups and Quotient groups – Homomorphism – Cayley’s theorem – Permutation groups – Another counting principle – Sylow’s theorems.

UNIT II

RING THEORY : Homomorphisms -Ideals and quotient rings – More ideals and quotient rings –Euclidean Rings-A particular Euclidean Ring.

UNIT III

Polynomial rings – Polynomials over the rational field – polynomials over commutative Rings -Inner Product spaces.

UNIT IV

FIELDS: Extension fields – Roots of Polynomials – More about roots.

UNIT V

The elements of Galois theory– Finite fields.

TEXT BOOK

I.N. Herstein, Topics in Algebra, Second Edn, Wiley Eastern Limited.

UNIT – I -Chapter 2 : Sec 2.5, 2.6, 2.7,2.9, 2.10, 2.11, 2.12

UNIT – II -Chapter 3 : Sec 3.3, 3.4, 3.5,3.7,3.8.

UNIT – III - Chapter 3&4 : 3.9,3.10,3.11, 4.4

UNIT – IV -Chapter 5 : Sec 5.1, 5.3,5.5

UNIT – V -Chapter 5&7:Sec 5.6,7.1

REFERENCE BOOKS

1. David S.Dummit and Richard M.Foote ,Abstract Algebra,Third Edition,Wiley Student Edition,2015.
2. John, B. Fraleigh, A First Course in Abstract Algebra, Addison-Wesley Publishing company.
3. Vijay, K. Khanna, and S.K. Bhambri, A Course in Abstract Algebra, Vikas Publishing House Pvt Limited, 1993.
4. Joseph A.Gallian,Contemporary Abstract Algebra,Fourth Edition,Narosa publishing House,1999.

CORE COURSE II

REAL ANALYSIS

Objectives:

1. To give the students a thorough knowledge of the various aspects of Real line and Metric Spaces which is imperative for any advanced learning in Pure Mathematics.
2. To train the students in problem-solving as a preparatory for competitive exams.

UNIT I

Basic Topology: Finite, Countable and Uncountable Sets – Metric spaces – Compact sets – Perfect sets – Connected sets.

Numerical Sequences and Series: Sequences – Convergence – Subsequences - Cauchy Sequences – Upper and Lower Limits - Some Special Sequences – Tests of convergence – Power series – Absolute convergence – Addition and multiplication of series – Rearrangements.

UNIT II

Continuity: Limits of functions – Continuous functions – continuity and Compactness – Continuity and connectedness – Discontinuities – Monotonic functions – Infinite limits and limits at infinity. Differentiation: Derivative of a real function – Mean value Theorems - Intermediate value theorem for derivatives – L'Hospital's Rule – Taylor's Theorem – Differentiation of vector valued functions.

UNIT III

Riemann – Stieltjes Integral: Definition and Existence – Properties – Integration and Differentiation – Integration of vector valued functions.

UNIT IV

Sequences and series of functions: Uniform Convergence and Continuity – Uniform Convergence and Differentiation – Equicontinuous families of functions – The Stone – Weierstrass Theorem.

UNIT V

Functions of several variables: Linear Transformations - Differentiation – The Contraction Principle – The Inverse Function Theorem - The Implicit Function Theorem.

TEXT BOOKS

[1] Walter Rudin , Principles of Mathematical Analysis, Third Edition, Mcgraw Hill, 1976.

UNIT – I	Chapters 2 and 3
UNIT – II	Chapters 4 and 5
UNIT – III	Chapter 6
UNIT – IV	Chapter 7
UNIT – V	Chapter 9, Sections 9.1 to 9.29

REFERENCES

1. Tom P. Apostol, Mathematical Analysis, Narosa Publishing House, New Delhi, 1985.
2. A.J. White, Real Analysis : An Introduction, Addison Wesley Publishing Co., Inc. 1968.
3. Serge Lang, Analysis I & II, Addison-Wesley Publishing Company, Inc. 1969.
4. N.L.Carothers, Real Analysis, Cambridge University press, Indian edition, 2013.

CORE COURSE III
ORDINARY DIFFERENTIAL EQUATIONS

Objectives

1. To give an in-depth knowledge of differential equations and their applications.
2. To study the existence, uniqueness, stability behavior of the solutions of the ODE

UNIT I

The general solution of the homogeneous equation– the use of one known solution to find another – The method of variation of parameters – Power Series solutions. A review of power series– Series solutions of first order equations – Second order linear equations; Ordinary points.

UNIT II

Regular Singular Points – Gauss’s hypergeometric equation – The Point at infinity - Legendre Polynomials – Bessel functions – Properties of Legendre Polynomials and Bessel functions.

UNIT III

Linear Systems of First Order Equations – Homogeneous Equations with Constant Coefficients – The Existence and Uniqueness of Solutions of Initial Value Problem for First Order Ordinary Differential Equations – The Method of Solutions of Successive Approximations and Picard’s Theorem.

UNIT IV

Oscillation Theory and Boundary value problems – Qualitative Properties of Solutions – Sturm Comparison Theorems – Eigenvalues, Eigenfunctions and the Vibrating String.

UNIT V

Nonlinear equations: Autonomous Systems; the phase plane and its phenomena – Types of critical points; Stability – critical points and stability for linear systems – Stability by Liapunov’s direct method – Simple critical points of nonlinear systems.

TEXT BOOKS

G.F. Simmons, Differential Equations with Applications and Historical Notes, TMH, New Delhi, 1984.

UNIT – I Chapter 3: Sections 15, 16, 19 and Chapter 5: Sections 25 to 27

UNIT – II Chapter 5 : Sections 28 to 31 and Chapter 6: Sections 32 to 35

UNIT – III Chapter 7: Sections 37, 38 and Chapter 11: Sections 55, 56

UNIT – IV Chapter 4: Sections 22 to 24

UNIT – V Chapter 8: Sections 42 to 44

REFERENCES

1. W.T. Reid, Ordinary Differential Equations, John Wiley & Sons, New York, 1971.
2. E.A. Coddington and N. Levinson, Theory of Ordinary Differential Equations, McGraw Hill Publishing Company, New York, 1955.

CORE COURSE IV

GRAPH THEORY

Objectives

1. To give a rigorous study of the basic concepts of Graph Theory.
2. To study the applications of Graph Theory in other disciplines.

Note: Theorems, Propositions and results which are starred are to be omitted.

Unit I **Basic Results**

Basic Concepts - Subgraphs - Degrees of Vertices - Paths and Connectedness- Operations on Graphs - Directed Graphs: Basic Concepts - Tournaments.

Unit II **Connectivity**

Vertex Cuts and Edge Cuts - Connectivity and Edge - Connectivity, Trees:Definitions, Characterization and Simple Properties - Counting the Number of Spanning Trees - Cayley's Formula.

Unit III **Independent Sets and Matchings**

Vertex Independent Sets and Vertex Coverings - Edge Independent Sets -Matchings and Factors - Eulerian Graphs - Hamiltonian Graphs.

Unit IV **Graph Colourings**

Vertex Colouring - Critical Graphs - Triangle - Free Graphs - Edge Colourings of Graphs - Chromatic Polynomials.

Unit V **Planarity**

Planar and Nonplanar Graphs - Euler Formula and its Consequences - K_5 and $K_{3,3}$ are Nonplanar Graphs - Dual of a Plane Graph - The Four-Colour Theorem and the Heawood Five-Colour Theorem-Kuratowski's Theorem.

Textbook

1. R. Balakrishnan, K. Ranganathan, A Textbook of Graph Theory, Springer International Edition, New Delhi, 2008.
- | | |
|----------|---|
| UNIT I | Chapter I & II: 1.1 to 1.4, 1.7, 2.1, 2.2 |
| UNIT II | Chapter III & IV: 3.1, 3.2, 4.1, 4.3 to 4.4 |
| UNIT III | Chapter V & VI: 5.1 to 5.4, 6.1, 6.2 |
| UNIT IV | Chapter VII: 7.1 to 7.4, 7.7 |
| UNIT V | Chapter VIII: 8.1 to 8.6 |

References

1. J.A. Bondy, U.S.R. Murty, Graph Theory with Applications, Mac MilanPress Ltd., 1976.
2. Gary Chartrand, Linda Lesniak, Ping Zhang, Graphs and Digraph, CRC press, 2010.
3. F. Harary, Graph Theory, Addison - Wesley, Reading, Mass., 1969.

CORE COURSE V

INTEGRAL EQUATIONS, CALCULUS OF VARIATIONS AND TRANSFORMS

Objectives.

1. To introduce the concept of calculus of variations and integral equations and their applications.
2. To study the different types of transforms and their properties.

UNIT I

Calculus of variations – Maxima and Minima – the simplest case – Natural boundary and transition conditions - variational notation – more general case – constraints and Lagrange’s multipliers – variable end points – Sturm-Liouville problems.

UNIT – II

Fourier transform - Fourier sine and cosine transforms - Properties Convolution - Solving integral equations - Finite Fourier transform - Finite Fourier sine and cosine transforms - Fourier integral theorem - Parseval's identity.

UNIT III

Hankel Transform : Definition – Inverse formula – Some important results for Bessel function – Linearity property – Hankel Transform of the derivatives of the function – Hankel Transform of differential operators – Parseval’s Theorem

UNIT IV

Linear Integral Equations - Definition, Regularity conditions – special kind of kernels – eigen values and eigen functions – convolution Integral – the inner and scalar product of two functions – Notation – reduction to a system of Algebraic equations – examples– Fredholm alternative - examples – an approximate method.

UNIT V

Method of successive approximations: Iterative scheme – examples – Volterra Integral equation – examples – some results about the resolvent kernel. Classical Fredholm Theory: the method of solution of Fredholm – Fredholm’s first theorem – second theorem – third theorem.

TEXT BOOKS

- [1] Ram.P.Kanwal – Linear Integral Equations Theory and Practise, Academic Press 1971.
- [2] F.B. Hildebrand, Methods of Applied Mathematics II ed. PHI, ND 1972.
- [3] A.R. Vasishtha, R.K. Gupta, Integral Transforms, Krishna Prakashan Media Pvt Ltd, India, 2002.

UNIT – I Chapter 2: Sections 2.1 to 2.9 of [2]

UNIT – II Chapter 7 of [3]

UNIT – III Chapter 9 of [3]; UNIT – IV -Chapters 1 and 2 of [1]

UNIT – V Chapters 3 and 4 of [1]

REFERENCES

- [1] S.J. Mikhlin, Linear Integral Equations (translated from Russian), Hindustan Book Agency, 1960.
- [2] I.N. Snedden, Mixed Boundary Value Problems in Potential Theory, North Holland, 1966.

CORE COURSE VI

COMPLEX ANALYSIS

Objectives

1. To learn the various intrinsic concepts and the theory of Complex Analysis.
2. To study the concept of Analyticity, Complex Integration and Infinite Products in depth.

UNIT I

Elementary Point Set Topology: Sets and Elements – Metric Spaces – Connectedness – Compactness – Continuous Functions – Topological Spaces; Conformality: Arcs and Closed Curves – Analytic Functions in Regions – Conformal Mapping – Length and Area; Linear Transformations: The Linear Group – The Cross Ratio – Symmetry

UNIT II

Fundamental theorems in complex integration: Line Integrals – Rectifiable Arcs – Line Integrals as Functions of Arcs – Cauchy’s Theorem for a Rectangle – Cauchy’s Theorem in a Disk; Cauchy’s Integral Formula: The Index of a Point with Respect to a Closed Curve – The Integral Formula – Higher Derivatives.

UNIT III

Local Properties of Analytic Functions - Removable Singularities - Taylor’s Theorem – Integral representation of the n^{th} term - Zeros and Poles – Algebraic order of $f(z)$ – Essential Singularity - The Local Mapping – The Open Mapping Theorem - The Maximum Principle.

UNIT IV

The General Form of Cauchy’s Theorem: Chains and Cycles – Simple Connectivity – Homology – The General Statement of Cauchy’s Theorem – Proof of Cauchy’s Theorem – Locally Exact Differentials – Multiply Connected Regions; The Calculus of Residues: The Residue Theorem – The Argument Principle – Evaluation of Definite Integrals

UNIT V

Harmonic Functions: Definition and Basic Properties – The Mean-value Property – Poisson’s Formula – Schwarz’s Theorem – The Reflection Principle; Power series expansions-Weierstrass’s Theorem – The Taylor Series – The Laurent Series;

TEXT BOOK

Lars V. Ahlfors, Complex Analysis, Third Ed. McGraw-Hill Book Company, Tokyo, 1979.

- UNIT – I Chapter 3: 1.1-1.6, 2.1-2.4,3.1-3.3
UNIT – II Chapter 4: 1.1-1.5, 2.1-2.3
UNIT – III Chapter 4: 3.1, 3.2, 3.3,3.4
UNIT – IV Chapter 4: 4.1-4.7, 5.1-5.3
UNIT – V Chapter 4: 6.1-6.5, and Chapter 5: 1.1-1.3

REFERENCES

1. Serge Lang, Complex Analysis, Addison Wesley, 1977.
2. S. Ponnusamy, Foundations of Complex Analysis, Narosa Publishing House, New Delhi, 1997.
3. Karunakaran, Complex Analysis,Alpha Science international Ltd,Second edition,2005.

CORE COURSE VII
LINEAR ALGEBRA

Objectives

1. To give the students a thorough knowledge of the various aspects of Linear Algebra
2. To train the students in problem-solving as a preparatory for competitive exam.

UNIT I: Matrices:

Systems of linear Equations - Matrices and Elementary Row operations -Row-reduced echelon Matrices - Matrix Multiplication - Invertible Matrices -Bases and Dimension. (Only revision of Vector spaces and subspaces).

Unit II: Linear transformations:

The algebra of linear transformations - Isomorphism of Vector Spaces - Representations of Linear Transformations by Matrices - Linear Functionals - The Double Dual - The Transpose of a Linear Transformation.

Unit III: Algebra of polynomials:

The algebra of polynomials - Lagrange Interpolation - Polynomial Ideals -The prime factorization of a polynomial - Commutative rings - Determinant functions.

Unit IV: Determinants:

Permutations and the uniqueness of determinants - Classical Adjoint of a (square) matrix - Inverse of an invertible matrix using determinants -Characteristic values - Annihilating polynomials.

Unit V: Diagonalization:

Invariant subspaces - Simultaneous triangulation and simultaneous Diagonalization Direct-sum Decompositions - Invariant Direct sums - Primary Decomposition theorem.

TEXTBOOK

1. Kenneth Hoffman and Ray Alden Kunze, Linear Algebra, Second Edition, Prentice Hall of India Private Limited, New Delhi, 1975.
- UNIT I Chapter 1 & 2 1.2-1.6 and 2.3
UNIT II Chapter 3
UNIT III Chapter 4 & 5 4.1 - 4.5 and 5.1 - 5.2
UNIT IV Chapter 5 & 6 5.3, 5.4 and 6.1 - 6.3
UNIT V Chapter 6 6.4 - 6.8

REFERENCES

1. S. Kumaresan, Linear Algebra: A Geometric Approach, Prentice-Hall of India Ltd, 2004.
2. V. Krishnamurthy, V.P. Mainra, J.L. Arora, Introduction to Linear Algebra, East West Press Ltd, 1985.
3. A.R. Rao, P. Bhimashankaram, Linear Algebra, Second Edition, Tata McGraw Hill, 2000.
4. Edgar G.Goodaire, Linear Algebra-Pure & Applied World Scientific, Cambridge University Press India Ltd, 2014

CORE COURSE VIII
PARTIAL DIFFERENTIAL EQUATIONS

Objectives

1. To give an in-depth knowledge of solving partial differential equations and apply them in scientific and engineering problems.
2. To study the other aspects of PDE

UNIT I

Partial differential equations- origins of first order Partial differential equations- Cauchy's problem for first order equations- Linear equations of the first order- Integral surfaces Passing through a Given curve- surfaces Orthogonal to a given system of surfaces -Non linear Partial differential equations of the first order.

UNIT II

Cauchy's method of characteristics- compatible systems of first order equations- Charpits method- Special types of first order equations- Solutions satisfying given conditions- Jacobi's method.

UNIT III

Partial differential equations of the second order : The origin of second order equations –second order equations in Physics – Higher order equations in Physics - Linear partial differential equations with constant co-efficient- Equations with variable coefficients- Characteristic curves of second order equations

UNIT IV

Characteristics of equations in three variables- The solution of Linear Hyperbolic equations-Separation of variables. The method of Integral Transforms – Non Linear equations of the second order.

Unit V

Laplace equation : Elementary solutions of Laplace's equations-Families of equipotential Surfaces- Boundary value problems-Separation of variables –Problems with Axial Symmetry.

TEXT BOOK

Ian N. Sneddon, Elements of Partial differential equations, Dover Publication –INC, New York, 2006.

UNIT I Chapter II Sections 1 to 7

UNIT II Chapter II Sections 8 to 13

UNIT III Chapter III Sections 1 to 6

UNIT IV Chapter III Sections 7 to 11

UNIT V Chapter IV Sections 2 to 6

REFERENCES

1. **M.D.Raisinghania**, Advanced Differential Equations , S.Chand and company Ltd., New Delhi,2001.
2. **E.T.Copson**, Partial Differential Equations, Cambridge University Press

ELECTIVE I (1)
(Any one)

ADVANCED PROBABILITY THEORY

Objectives:

1. To make the students to understand about fields, σ -fields and random variables.
2. To enable the students to learn about expectations, convergence in random variables and distribution functions.

Unit I Fields and σ Fields:

Class of events –Functions and Inverse functions – Random variables – Limits of random variables.

Unit II Probability Space:

Definition of probability – some simple properties – discrete probability space – General probability space – Induced probability space.

Unit III Distribution functions:

Distribution functions of a random variable –Decomposition of distributive functions- Distributive functions of vector random variables – Correspondence theorem.

Unit IV Expectation and Moments:

Definition of Expectation –Properties of expectation – Moments, Inequalities.

Unit V Convergence of Random Variables:

Convergence in Probability –Convergence almost surely – Convergence in distribution – Convergence in the r^{th} mean –Convergence theorems for Expectations .

TEXT BOOK

B.R. Bhat (2007), MODERN PROBABILITY THEORY,3rd edition, New Age International private ltd, New Delhi.

Unit I : Chapter 1 and 2 Omit (1.1&1.2)

Unit II : Chapter 3 (Omit 3.6)

Unit III : Chapter 4

Unit IV : Chapter 5

Unit V : Chapter 6(6.1 to 6.5)

REFERENCES

- 1 Chandra T.K and Chatterjee D. (2003),A first course in probability , 2nd Edition, Narosa Publishing House, New Delhi.
- 2 Kailai Chung and Farid Aitsahlia, Elementary Probability, Springer Verlag 2003, New York.
- 3 Marek Capinski and Tomasz Zastawniak(2003), Probability through problems, Springer Verlag, New York.
- 4 Sharma .T.K(2005), A text book of probability and theoretical distribution, Discovery publishing house, New Delhi.

ELECTIVE I (2)

MATHEMATICAL MODELING

Objectives:

1. To study the different mathematical models in ODE and Difference equations.
2. To study graph theoretical models.

UNIT I - Mathematical Modelling through Ordinary Differential Equations of First order :

Linear Growth and Decay Models – Non-Linear Growth and Decay Models – Compartment Models – Dynamics problems – Geometrical problems.

UNIT II - Mathematical Modelling through Systems of Ordinary Differential Equations of First Order :

Population Dynamics – Epidemics – Compartment Models – Economics – Medicine, Arms Race, Battles and International Trade – Dynamics.

UNIT III - Mathematical Modelling through Ordinary Differential Equations of Second Order:

Planetary Motions – Circular Motion and Motion of Satellites – Mathematical Modelling through Linear Differential Equations of Second Order – Miscellaneous Mathematical Models.

UNIT IV - Mathematical Modelling through Difference Equations :

Simple Models – Basic Theory of Linear Difference Equations with Constant Coefficients – Economics and Finance – Population Dynamics and Genetics – Probability Theory.

UNIT V - Mathematical Modelling through Graphs :

Solutions that can be Modelled through Graphs – Mathematical Modelling in Terms of Directed Graphs, Signed Graphs, Weighted Digraphs and Unoriented Graphs.

TEXT BOOK

J.N. Kapur, Mathematical Modelling, Wiley Eastern Limited, New Delhi, 1988.

REFERENCES

J. N. Kapur, Mathematical Models in Biology and Medicine, Affiliated East – West Press Pvt Limited, New Delhi, 19

ELECTIVE I (3)

FUZZY SETS AND THEIR APPLICATIONS

Objectives:

1. To introduce the concept of fuzzy theory and study its application in real problems
2. To study the uncertainty environment through the fuzzy sets that incorporates imprecision and subjectivity into the model formulation and solution process.

UNIT I From Classical Sets To Fuzzy Sets, Fuzzy Sets Verses Crisp Sets:

Fuzzy sets: Basic types – Fuzzy sets: Basic Concepts –Additional Properties of α – cuts- Extension Principle for fuzzy sets .

UNIT II Operations On Fuzzy Sets:

Types of operations– Fuzzy complements- Fuzzy Intersections:t-Norms – Fuzzy Unions:t-Conorms - Combinations of Operations.

UNIT III Fuzzy Arithmetic:

Fuzzy numbers - Linguistic variables -Arithmetic operations on intervals –Arithmetic operations on Fuzzy numbers .

UNIT IV Fuzzy Relations:

Binary Fuzzy Relations – Binary Relations on a Single Set – Fuzzy Equivalence Relations – Fuzzy Compatibility Relations –Fuzzy Ordering Relations – Fuzzy Morphisms.

UNIT V Fuzzy Decision Making:

Individual decision making – Multiperson Decision Making-Ranking methods – Fuzzy Linear programming.

TEXT BOOK

George J. Klir and Bo Yuan, Fuzzy sets and Fuzzy Logic Theory and Applications, Prentice Hall of India, (2005).

UNIT I Chapter 1 Sections 1.3, 1.4, Chapter :2 Sections 2.1 and 2.3

UNIT II Chapter 3 Sections 3.1, 3.2, 3.3, 3.4, 3.5.

UNIT III Chapter 4 Sections 4.1,4.2, 4.3, 4.4.

UNIT IV Chapter 5 Sections 5.3 ,5.4, 5.5, 5.6, 5.7, 5.8.

UNIT V Chapter 15 Sections 15.2,15.3, 15.6, 15.7

REFERENCES

1. H.J. Zimmermann, Fuzzy Set Theory and its Applications, Allied Publishers Limited (1991).
2. M. Ganesh, Introduction to Fuzzy sets and Fuzzy logic, Prentice Hall of India, New Delhi (2006).

ELECTIVE II (1)
(Any one)
STOCHASTIC PROCESSES

Objectives

1. To understand the stochastic models for many real life probabilistic situations.
2. To learn the well known models like birth-death and queuing to reorient the knowledge of stochastic processes.

UNIT I

Stochastic Processes: Some notions – Specification of Stochastic processes – Stationary processes – Markov Chains – Definitions and examples – Higher Transition probabilities – Generalization of independent Bernoulli trials – Sequence of chain – Dependent trains.

UNIT II

Markov chains : Classification of states and chains – determination of Higher transition probabilities – stability of a Markov system – Reducible chains – Markov chains with continuous state space.

UNIT III

Markov processes with Discrete state space : Poisson processes and their extensions – Poisson process and related distribution – Generalization of Poisson process- Birth and Death process – Markov processes with discrete state space (continuous time Markov Chains).

UNIT IV

Renewal processes and theory : Renewal process – Renewal processes in continuous time – Renewal equation – stopping time – Wald's equation – Renewal theorems.

UNIT V

Stochastic processes in Queuing – Queuing system – General concepts – the queuing model M/M/1 – Steady state Behaviour – transient behaviour of M/M/1 Model – Non-Markovian models - the model GI/M/1.

TEXT BOOK

1. J. Medhi, Stochastic Processes, New age international publishers, New Delhi– Second edition.

UNIT I	Ch. II & Ch.III	Sec 2.1 to 2.3, Sec 3.1 to 3.3
UNIT II	Ch III – Sec 3.4 to 3.6, 3.8, 3.9 and 3.11	
UNIT III	Ch IV : Sec 4.1 to 4.5	
UNIT IV	Ch VI : Sec 6.1 to 6.5	
UNIT V	Ch X : Sec 10.1 to 10.3, 10.7 and 10.8 (omit sec 10.2.3 & 10.2.3.1)	

REFERENCES

1. Samuel Karlin, Howard M. Taylor, A first course in stochastic processes, Academic press, Second Edition, 1975.
2. Narayan Bhat , Elements of Applied Stochastic Processes, John Wiley , 1972.
3. N.V. Prabhu, Stochastic Processes, Macmillan (NY).

ELECTIVE II (2)

Tensor Analysis and Special Theory of Relativity

Objectives.

1. To introduce the notion of Tensor and study its properties.
2. To study the theory of relativity.

UNIT I

Invariance - Transformations of coordinates and its properties - Transformation by invariance - Transformation by covariance and contra variance - Covariance and contra variance - Tensor and Tensor character of their laws - Algebras of tensors - Quotient tensors - Symmetric and skew symmetric tensors - Relative tensors.

UNIT II

Metric Tensor - The fundamental and associated tensors - Christoffel's symbols - Transformations of Christoffel's symbols- Covariant Differentiation of Tensors - Formulas for covariant Differentiation- Ricci Theorem - Riemann -Christoffel Tensor and their properties.

UNIT III

Einstein Tensor- Riemannian and Euclidean Spaces (Existence Theorem)-The e-systems and the generalized Kronecker deltas - Application of the e-systems.

UNIT IV

Special Theory of Relativity: Galilean Transformation - Maxwell's equations - The ether Theory - The Principle of Relativity Relativistic Kinematics : Lorentz Transformation equations - Events and simultaneity - Example Einstein Train - Time dilation - Longitudinal Contraction -Invariant Interval - Proper time and Proper distance - World line - Example - twin paradox - addition of velocities - Relativistic Doppler effect.

UNIT V

Relativistic Dynamics : Momentum - energy - Momentum-energy four vector - Force - Conservation of Energy - Mass and energy - Example - inelastic collision - Principle of equivalence - Lagrangian and Hamiltonian formulations .
Accelerated Systems : Rocket with constant acceleration - example - Rocket with constant thrust .

TEXT BOOK

1. I.S. Sokolnikoff, Tensor Analysis, John Wiley and Sons, New York, 1964
2. D. Greenwood, Classical Dynamics, Prentice Hall of India, New Delhi, 1985

UNIT I	Chapter 2 : Sections 18 to 28 of [1]
UNIT II	Chapter 2 : Sections 29 to 37 of [1]
UNIT III	Chapter 2 : Section 38 to 41 of [1]
UNIT IV	Chapter 7 : Sections 7.1 and 7.2 of [2]
UNIT V	Chapter 7 : Sections 7.3 and 7.4 of [2]

REFERENCES

1. J.L. Synge and A.Schild, Tensor Calculus, Toronto, 1949.
2. A.S. Eddington, The Mathematical Theory of Relativity, Cambridge University Press, 1930.
3. P.G. Bergman, An Introduction to Theory of Relativity, New York, 1942.
4. C.E. Weatherburn, Riemannian Geometry and Tensor Calculus, Cambridge, 1938

ELECTIVE II (3)

NON LINEAR DIFFERENTIAL EQUATIONS

Objectives.

1. To study Non linear DE and its properties.
2. To study oscillation and stability properties of the solutions.

Unit I

First order systems in two variables and linearization: The general phase plane-some population models – Linear approximation at equilibrium points – Linear systems in matrix form.

Unit II

Averaging Methods: An energy balance method for limit cycles – Amplitude and frequency estimates – slowly varying amplitudes – nearly periodic solutions - periodic solutions: harmony balance – Equivalent linear equation by harmonic balance – Accuracy of a period estimate.

Unit III

Perturbation Methods: Outline of the direct method – Forced Oscillations far from resonance - Forced Oscillations near resonance with Weak excitation – Amplitude equation for undamped pendulum – Amplitude Perturbation for the pendulum equation – Lindstedt's Method – Forced oscillation of a self – excited equation – The Perturbation Method and Fourier series.

Unit IV

Linear Systems: Time Varying Systems – Constant coefficient System – Periodic Coefficients – Floquet Theory – Wronskian.

Unit V

Stability: Poincare stability – solutions, paths and norms – Liapunov stability Stability of linear systems – Comparison theorem for the zero solutions of nearly – linear systems.

TEXT BOOK

Nonlinear Ordinary Differential Equations , D.W.Jordan, & P.Smith, Clarendon Press, Oxford, 1977.

REFERENCES

1. Differential Equations by G.F.Simmons, Tata McGraw Hill, NewDelhi (1979).
2. Ordinary Differential Equations and Stability Theory By D.A.Sanchez, Freeman (1968).
3. Notes on Nonlinear Systems by J.K.Aggarwal, Van Nostrand, 1972.

CORE COURSE IX
CLASSICAL DYNAMICS

Objectives

1. To give a detailed knowledge of the mechanical system of particles.
2. To study the applications of Lagrange's and Hamilton's equations .

UNIT I

Introductory concepts: The mechanical system - Generalised Coordinates - constraints - virtual work - Energy and momentum.

UNIT II

Lagrange's equation: Derivation and examples - Integrals of the Motion - Small oscillations.

UNIT III

Special Applications of Lagrange's Equations: Rayleigh's dissipation function - impulsive motion - Gyroscopic systems - velocity dependent potentials.

UNIT IV

Hamilton's equations: Hamilton's principle - Hamilton's equations - Other variational principles - phase space.

UNIT V

Hamilton - Jacobi Theory: Hamilton's Principal Function - The Hamilton - Jacobi equation - Separability.

TEXT BOOKS.

1. Donald T. Greenwood, Classical Dynamics, PHI Pvt. Ltd., New Delhi-1985.
UNIT – I Chapter 1: Sections 1.1 to 1.5
UNIT – II Chapter 2: Sections 2.1 to 2.4
UNIT – III Chapter 3 : Sections 3.1 to 3.4
UNIT – IV Chapter 4: Sections 4.1 to 4.4
UNIT – V Chapter 5: Sections 5.1 to 5.3

REFERENCES.

1. H. Goldstein, Classical Mechanics, (2nd Edition), Narosa Publishing House, New Delhi.
2. Narayan Chandra Rana & Promod Sharad Chandra Joag, Classical Mechanics, Tata McGrawHill, 1991.

CORE COURSE X
MEASURE AND INTEGRATION

Objectives

1. To generalize the concept of integration using measures.
2. To develop the concept of analysis in abstract situations.

UNIT I

Measure on Real line - Lebesgue outer measure - Measurable sets - Regularity - Measurable function - Borel and Lebesgue measurability.

UNIT II

Integration of non-negative functions - The General integral - Integration of series - Riemann and Lebesgue integrals.

UNIT III

Abstract Measure spaces - Measures and outer measures - Completion of a measure - Measure spaces - Integration with respect to a measure.

UNIT IV

Convergence in Measure- Almost uniform convergence- Signed Measures and Halin Decomposition –The Jordan Decomposition

UNIT V

Measurability in a Product space – The product Measure and Fubini's Theorem.

TEXT BOOKS

1. G.De Barra, Measure Theory and Integration, New age international (p) Limited.

UNIT – I Chapter II: Sections 2.1 to 2.5

UNIT – II Chapter III: Sections 3.1 to 3.4

UNIT – III Chapter V: Sections 5.1 to 5.6

UNIT – IV Chapter VII: Sections 7.1 and 7.2, Chapter VIII: Sections 8.1 and 8.2

UNIT – V Chapter X: Sections 10.1 and 10.2

REFERENCES

1. M.E. Munroe, Measure and Integration, by Addison - Wesley Publishing Company, Second Edition, 1971.
2. P.K. Jain, V.P. Gupta, Lebesgue Measure and Integration, New Age International Pvt Limited Publishers, New Delhi, 1986, Reprint 2000.
3. Richard L. Wheeden and Antoni Zygmund, Measure and Integral: An Introduction to Real Analysis, Marcel Dekker Inc. 1977.
4. Inder, K. Rana, An Introduction to Measure and Integration, Narosa Publishing House, New Delhi, 1997.

CORE COURSE XI

TOPOLOGY

Objectives

1. To study the concepts concerned with properties that are preserved under continuous deformations of objects.
2. To train the students to develop analytical thinking and the study of continuity and connectivity.

UNIT I **TOPOLOGICAL SPACES:**

Topological spaces - Basis for a topology - The order topology - The product topology on $X \times Y$ - The subspace topology - Closed sets and limit points.

UNIT II **CONTINUOUS FUNCTIONS :**

Continuous functions - the product topology - The metric topology.

UNIT III **CONNECTEDNESS:**

Connected spaces- connected subspaces of the Real line - Components and local connectedness.

UNIT IV **COMPACTNESS:**

Compact spaces - compact subspaces of the Real line - Limit Point Compactness - Local Compactness.

UNIT V **COUNTABILITY AND SEPARATION AXIOMS:**

The countability Axioms - The separation Axioms - Normal spaces - The Urysohn Lemma - The Urysohn metrization Theorem - The Tietz extension theorem.

TEXT BOOK

James R. Munkres, Topology (2nd Edition) Pearson Education Pvt. Ltd., New Delhi-2002 (Third Indian Reprint).

UNIT – I Chapter 2: Sections 12 to 17

UNIT – II Chapter 2 : Sections 18 to 21 (Omit Section 22)

UNIT – III Chapter 3 : Sections 23 to 25.

UNIT – IV Chapter 3 : Sections 26 to 29.

UNIT – V Chapter 4 : Sections 30 to 35.

REFERENCES

- 1 J. Dugundji, Topology, Prentice Hall of India, ,New Delhi, 1975.
- 2 George F.Sinmons, Introduction to Topology and Modern Analysis, McGraw Hill Book co.1963.
- 3 J.L. Kelly, General Topology, Van Nostrand, Reinhold Co., New York
- 4 L.Steen and J.Seeback, Counter examples in Topology, Holt, Rinehart and Winston, New York, 1970.

ELECTIVE III (1)
(Any one)

DESIGN AND ANALYSIS OF ALGORITHMS

Objectives

1. To impart the students the knowledge of design and analysis of algorithms in computer science.
2. To study the complexity of algorithms.

Unit I Algorithms:

Introduction- Algorithm - Algorithm specification: Pseudo code Conventions, Recursive algorithms - Performance analysis: Space Complexity, Time Complexity, Asymptotic Notation, and Practical Complexities.

Unit II Data structures and Queues:

Linear data structures: Concepts of non-primitive data structures – storage structure for arrays - stacks - operations on stacks - queues - priority queues.

Unit III Linked lists and trees:

Linked linear lists - operations on linked linear lists - circularly linked lists - doubly linked linear lists - Non-linear data structures: trees - binary trees - operations on binary trees - storage representation and manipulations of binary trees.

Unit IV Search and Sort:

Divide and conquer - General method - Binary search - Finding the maximum and minimum in a set of items - Merge sort - Quick sort - Selection sort. Basic Traversal and Search Techniques for graphs: Breadth First Search – Depth First Search.

Unit V Interpolations:

Backtracking - The 8-Queens problem - Algebraic problems - The general method - Evaluation and interpolation - Horner's rule - Lagrange interpolation- Newtonian interpolation.

TEXTBOOKS

1. Ellis Horowitz, Sartaj Sahni and Sanguthevar Rajasekaran, Fundamentals of Computer algorithms, Galgotia Publications Pvt. Ltd., 2004. (For Units I, IV, V)
2. Jean-Paul Tremblay and Paul G.Sorenson, An introduction to data structures with applications, Second Edition, Tata McGraw Hill Publishing Company Limited, New Delhi, 1995. (For Units II, III)

REFERENCES

1. A.V. Aho, J.E.Hopcroft, J.D. Ullman, The Design and Analysis of Computer Algorithms, Addison-Wesley Publ. Comp., 1974.
2. Seymour E.Goodman and S.T. Hedetniemi, Introduction to the design and analysis of algorithms, McGraw Hill International Edition, 2002.

ELECTIVE III (2)
DISCRETE MATHEMATICS

Objectives

1. To study the concepts like Boolean algebra, coding theory.
2. To introduce the different notions grammar.

Unit I Relations and Functions:

Binary relations, equivalence relations and partitions, partial order relations, inclusion and exclusion principle, Hasse diagram, Pigeon hole principle. Functions, inverse functions, compositions of functions, recursive functions.

Unit II Mathematical Logic:

Logic operators, Truth tables, Theory of inference and deduction, mathematical calculus, predicate calculus, predicates and qualifiers.

Unit III Lattices:

Lattices as Partially Ordered Sets. Their Properties, Lattices as algebraic Systems, Sub lattices, Direct Product and homomorphism. Some Special Lattices - Complete, Complemented and Distributive Lattices, Isomorphic Lattices.

Unit IV Boolean algebra:

Various Boolean identities, the switching Algebra Example, Sub Algebras, Direct Production and Homomorphism. Boolean Forms and their Equivalence, Midterm Boolean forms, Sum of Products, Canonical Forms. Minimization of Boolean Functions. The Karnuagh Map Method.

Coding Theory: Coding of binary information and error detection, Group codes, decoding and error correction.

Unit V Grammar and Languages:

Phrase structure grammars, rewriting rules, derivation sentential forms, language generated by grammar, regular, context free and context sensitive grammar and languages.

TEXT BOOKS

1. Trembly. J.P & Manohar. P., "Discrete Mathematical Structures with Applications to Computer Science" McGraw- Hill.
2. Liu, C.L., "Elements of Discrete Mathematics", McGraw-Hill Book co.
3. K.D Joshi, "Foundations of Discrete Mathematics", Wiley Eastern Limited.

REFERENCES

1. Kolman, Busy & Ross, "Discrete Mathematical Structures", PHI.
2. Alan Doer: "Applied Discrete Structure for Computer Science", Galgotia Publications Pvt. Ltd.
3. Seymour Lipschutz, M. Lipson: "Discrete Mathematics", McGraw-Hill Edition.
4. Kenneth G. Roden: "Discrete Mathematics and its Applications", McGraw- Hill international editions, Mathematics Series.

ELECTIVE III (3)
AUTOMATA THEORY

Objectives

1. To make the students to understand the nuances of Automata and Grammar.
2. To make them to understand the applications of these techniques in computer science.

Unit I: - Finite Automata and Regular expressions:

Definitions and examples - Deterministic and Nondeterministic finite Automata - Finite Automata with ϵ -moves. (Book 1, Chapter 2: Sections 2.1-2.4)

Unit II: - Context free grammar:

Regular expressions and their relationship with automation - Grammar - Ambiguous and unambiguous grammars - Derivation trees – Chomsky Normal form. (Book 1, Chapter 2, Section 2.5, Chapter 4, Sections 4.1-4.3, 4.5,4.6)

Unit III: - Pushdown Automaton:

Pushdown Automaton - Definition and examples - Relation with Context free languages. (Book 1, Chapter 5: Section 5.2, 5.3)

Unit IV: - Finite Automata and lexical analysis:

Role of a lexical analyzer - Minimizing the number of states of a DFA - Implementation of a lexical analyzer. (Book 2, Chapter 3: Section 3.1-3.8)

Unit V: - Basic parsing techniques:

Parsers - Bottom up Parsers - Shift reduce - operator precedence - Top down Parsers - Recursive descent - Predictive parsers. (Book 2, Chapter 5: Section 5.1-5.5)

TEXTBOOKS

1. John E. Hopcroft and Jeffrey D. Ullman, Introduction to Automata theory, Languages and Computations, Narosa Publishing House, Chennai, 2000.
2. A.V. Aho and Jeffrey D. Ullman, Principles of Compiler Design, Narosa Publishing House, Chennai, 2002.

REFERENCES

1. Harry R. Lewis and Christos H. Papadimitriou, Elements of the Theory of Computation, Second Edition, Prentice Hall, 1997.
2. A.V. Aho, Monica S. Lam, R. Sethi, J.D. Ullman, Compilers: Principles, Techniques and Tools, Second Edition, Addison-Wesley, 2007.

ELECTIVE IV (1)
(Any one)

FINANCIAL MATHEMATICS

Objectives

1. To study financial mathematics through various models.
2. To study the various aspects of financial mathematics.

UNIT I SINGLE PERIOD MODELS:

Definitions from Finance - Pricing a forward - One-step Binary Model - a ternary Model - Characterization of no arbitrage - Risk-Neutral Probability Measure.

UNIT II BINOMIAL TREES AND DISCRETE PARAMETER MARTINGALES:

Multi-period Binary model - American Options - Discrete parameter martingales and Markov processes - Martingale Theorems - Binomial Representation Theorem - Overturn to Continuous models.

UNIT III BROWNIAN MOTION:

Definition of the process - Levy's Construction of Brownian Motion - The Reflection Principle and Scaling - Martingales in Continuous time.

UNIT IV STOCHASTIC CALCULUS:

Non-differentiability of Stock prices - Stochastic Integration - Ito's formula - Integration by parts and Stochastic Fubini Theorem - Girsanov Theorem - Brownian Martingale Representation Theorem - Geometric Brownian Motion - The Feynman - Kac Representation.

UNIT V BLOCK-SCHOLES MODEL:

Basic Block-Scholes Model - Block-Scholes price and hedge for European Options - Foreign Exchange - Dividends - Bonds - Market price of risk.

TEXT BOOK

Alison Etheridge ,A Course in Financial Calculus, , Cambridge University Press, Cambridge, 2002.

REFERENCES

1. Martin Boxtter and Andrew Rennie, Financial Calculus: An Introduction to Derivatives Pricing, Cambridge University Press, Cambridge, 1996.
2. Damien Lamberton and Bernard Lapeyre, (Translated by Nicolas Rabeau and Farancois Mantion),
3. Introduction to Stochastic Calculus Applied to Finance, Chapman and Hall, 1996.
4. Marek Musiela and Marek Rutkowski, Martingale Methods in Financial Modeling, Springer Verlag, New York, 1988.
5. Robert J.Elliott and P.Ekkehard Kopp, Mathematics of Financial Markets, Springer Verlag, New York, 2001 (3rd Printing)

ELECTIVE IV (2)

ADVANCED OPERATIONS RESEARCH

Objectives:

1. To enlighten the students in the field of operations research.
2. To help the students to apply OR techniques in business and management problems.

Unit I

Integer Programming.

Unit II

Dynamic (Multistage) programming.

Unit III

Decision Theory and Games.

Unit IV

Inventory Models.

Unit V

Non-linear Programming algorithms.

TEXT BOOK

Hamdy A. Taha, Operations Research, Macmillan Publishing Company, 4th Edition.

Unit I Chapter 8 § 8.1 – 8.5

Unit II Chapter 9 § 9.1 – 9.5

Unit III Chapter 11 § 11.1 – 11.4

Unit IV Chapter 13 § 13.1 – 13.4

Unit V Chapter 19 § 19.1, 19.2

REFERENCES

1. Non Linear Programming, O.L. Mangasarian, McGraw Hill, New York .
2. Non Linear Programming, Theory and Algorithms, Mokther S. Bazaraa and C.M. Shetty, Willy, New York .
3. Operations Research-An Introduction, Prem Kumar Gupta and D.S. Hira, S. Chand

ELECTIVE IV (3)

COMBINATORICS

Objectives:

1. To introduce the notion of different types of distributions of objects and generating functions.
2. To study the Polya's enumeration theorems.

UNIT I

Permutations and combinations - distributions of distinct objects ~ distributions of non distinct objects - Stirlings formula.

UNIT II

Generating functions. - generating function for combinations - enumerators for permutations - distributions of distinct objects into non-distinct cells - partitions of integers – the Ferrer's graphs - elementary relations.

UNIT III

Recurrence relation - linear recurrence relations with constant coefficients solutions by the technique of generating functions - a special class of nonlinear difference equations - recurrence relations with two indices.

UNIT IV

The principle of inclusion and exclusion - general formula - permutations with restriction on relative positions - derangements - the rook polynomials - permutations with forbidden positions.

UNIT V

Polya's theory of counting - equivalence classes under a permutation group Burnside theorem - equivalence classes of functions - weights and inventories of functions - Polya' s fundamental theorem – generation of Polya's theorem.

TEXT BOOK

Introduction of Combinatorial Mathematics, C.L. Liu, McGraw Hill,1968. Chapters 1 to 5.

REFERENCES

1. Combinatorial Theory, Marshall Hall Jr.,John Wiley & Sons, second edition.
2. Combinatorial Mathematics, H.J. Rayser, Carus Mathematical Monograph, No.14.

CORE COURSE XII
FUNCTIONAL ANALYSIS

Objectives

1. To study the three structure theorems of Functional Analysis viz., Hahn-Banach theorem, Open mapping theorem and Uniform boundedness principle.
2. To introduce Hilbert spaces and operator theory leading to the spectral theory of operators on a Hilbert space.

UNIT I

Algebraic Systems: Groups – Rings – The structure of rings – Linear spaces – The dimension of a linear space – Linear transformations – Algebras – Banach Spaces : The definition and some examples – Continuous linear transformations – The Hahn-Banach theorem – The natural imbedding of N in N^{**} - The open mapping theorem – The conjugate of an operator

UNIT II

Hilbert Spaces: The definition and some simple properties – Orthogonal complements – Orthonormal sets - The conjugate space H^* - The adjoint of an operator – Self-adjoint operators – Normal and unitary operators – Projections

UNIT III

Finite-Dimensional Spectral Theory: Matrices – Determinants and the spectrum of an operator – The spectral theorem – A survey of the situation

UNIT IV

General Preliminaries on Banach Algebras: The definition and some examples – Regular and singular elements – Topological divisors of zero – The spectrum – The formula for the spectral radius – The radical and semi-simplicity

UNIT V

The Structure of Commutative Banach Algebras : The Gelfand mapping – Applications of the formula $r(x) = \lim || x^n ||^{1/n}$ - Involutions in Banach Algebras – The Gelfand-Neumark theorem.

TEXT BOOK

G.F.Simmons, Introduction to Topology and Modern Analysis, McGraw-Hill International Ed. 1963.

UNIT – I Chapters 8 and 9

UNIT – II Chapter 10

UNIT – III Chapter 11

UNIT – IV Chapter 12

UNIT – V Chapter 13

REFERENCES

- 1 Walter Rudin, Functional Analysis, TMH Edition, 1974.
- 2 B.V. Limaye, Functional Analysis, Wiley Eastern Limited, Bombay, Second Print, 1985.
- 3 K.Yosida, Functional Analysis, Springer-Verlag, 1974.
- 4 Laurent Schwarz, Functional Analysis, Courant Institute of Mathematical Sciences, New York University, 1964.

CORE COURSE XIII
DIFFERENTIAL GEOMETRY

Objectives

1. To introduce the notion of surfaces and their properties.
2. To study geodesics and differential geometry of surfaces.

UNIT I SPACE CURVES:

Definition of a space curve - Arc length - tangent - normal and binormal - curvature and torsion - contact between curves and surfaces- tangent surface- involutes and evolutes- Intrinsic equations - Fundamental Existence Theorem for space curves- Helics.

UNIT II INTRINSIC PROPERTIES OF A SURFACE:

Definition of a surface - curves on a surface - Surface of revolution - Helicoids - Metric- Direction coefficients - families of curves- Isometric correspondence- Intrinsic properties.

UNIT III GEODESICS:

Geodesics - Canonical geodesic equations - Normal property of geodesics- Existence Theorems - Geodesic parallels - Geodesics curvature- Gauss- Bonnet Theorem - Gaussian curvature- surface of constant curvature.

UNIT IV NON INTRINSIC PROPERTIES OF A SURFACE:

The second fundamental form- Principal curvature - Lines of curvature - Developable - Developable associated with space curves and with curves on surface - Minimal surfaces - Ruled surfaces.

UNIT V DIFFERENTIAL GEOMETRY OF SURFACES:

Compact surfaces whose points are umbilics- Hilbert's lemma - Compact surface of constant curvature - Complete surface and their characterization - Hilbert's Theorem - Conjugate points on geodesics.

TEXT BOOK

T.J. Willmore, An Introduction to Differential Geometry, Oxford University Press,(17th Impression) New Delhi 2002. (Indian Print).

UNIT – I Chapter I : Sections 1 to 9.

UNIT – II Chapter II: Sections 1 to 9.

UNIT – III Chapter II: Sections 10 to 18.

UNIT – IV Chapter III: Sections 1 to 8.

UNIT – V Chapter IV : Sections 1 to 8

REFERENCES

1. Struik, D.T. Lectures on Classical Differential Geometry, Addison - Wesley, Mass. 1950.
2. Kobayashi S. and Nomizu. K. Foundations of Differential Geometry, Interscience Publishers, 1963.
3. Wilhelm Klingenberg: A course in Differential Geometry, Graduate Texts in Mathematics, Springer Verlag, 1978.
4. J.A. Thorpe Elementary topics in Differential Geometry, Under - graduate Texts in Mathematics, Springer - Verlag 1979.

CORE COURSE XIV
ADVANCED NUMERICAL ANALYSIS

Objectives.

1. To know the theory behind various numerical methods.
2. To apply these methods to solve mathematical problems.

Unit I

Transcendental and polynomial equations: Rate of convergence – Secant Method, Regula Falsi Method, Newton Raphson Method, Muller Method and Chebyshev Method. Polynomial equations: Descartes' Rule of Signs - Iterative Methods: Birge-Vieta method, Bairstow's method Direct Method: Graeffe's root squaring method.

Unit II

System of Linear Algebraic equations and Eigen Value Problems: Error Analysis of Direct methods – Operational count of Gauss elimination, Vector norm, Matrix norm, Error Estimate. Iteration methods - Jacobi iteration method, Gauss Seidel Iteration method, Successive Over Relaxation method - Convergence analysis of iterative methods, Optimal Relaxation parameter for the SOR method. Finding eigen values and eigen vectors – Jacobi method for symmetric matrices and Power methods only.

Unit III

Interpolation and Approximation:- Hermite Interpolations, Piecewise and Spline Interpolation – piecewise linear interpolation, piecewise quadratic interpolation, piecewise cubic interpolation, spline interpolation-cubic Spline interpolation. Bivariate Interpolation- Lagrange Bivariate interpolation. Least square approximation.

Unit IV

Differentiation and Integration: Numerical Differentiation – Optimum choice of Step length – Extrapolation methods – Partial Differentiation. Numerical Integration: Methods based on undetermined coefficients - Gauss Legendre Integration method and Lobatto Integration Methods only.

Unit V

Ordinary differential equations – Singlestep Methods: Local truncation error or Discretization Error, Order of a method, Taylor Series method, Runge-Kutta methods: Explicit Runge-Kutta methods– Minimization of Local Truncation Error, System of Equations, Implicit Runge-Kutta methods. Stability analysis of single step methods (RK methods only).

TEXT BOOKS

M.K. Jain, S.R.K. Iyengar and R.K. Jain, Numerical Methods for Scientific and Engineering Computation, New Age International (p) Limited Publishers, New Delhi, Sixth Edition 2012.

Unit I Chapter 2 § 2.5 (Pages 41-52), 2.9 (Pages 83-99)

Unit II Chapter 3 § 3.3(Pages 134-140), 3.4(Pages 146-164), 3.5(Pages 170-173), 3.7 (Pages 179-185) and 3.11 (Pages 196-198)

Unit III Chapter 4 § 4.5 - 4.7 & 4.9 (Pages 284-290)

Unit IV Chapter 5 § 5.2 - 5.5(Pages 320-345) and 5.8(pages 361 – 365 and 380-386)

Unit V Chapter 6 §6.4(Pages 434-459) and 6.5(Pages 468-475)

REFERENCES

1. Kendall E. Atkinson, An Introduction to Numerical Analysis, II Edn., John Wiley & Sons, 1988.
2. M.K. Jain, Numerical Solution of Differential Equations, II Edn., New Age International Pvt Ltd., 1983.
3. Samuel. D. Conte, Carl. De Boor, Elementary Numerical Analysis, Mc Graw-Hill International Edn., 1983.

ELECTIVE V (1)
(Any one)

ALGEBRAIC TOPOLOGY

Objectives:

1. To introduce the notion of homotopy and covering spaces.
2. To study the Jordan curve theorem.

UNIT I

Homotopy of Paths-The Fundamental Group-Covering spaces.

UNIT II

The Fundamental group of the circle – The Fundamental group of the punctured plane- The Fundamental group of S^n .

UNIT III

Fundamental groups of surfaces- Essential and Inessential maps-The Fundamental theorem of algebra.

UNIT IV

Homotopy type – The Jordan separation theorem.

UNIT V

The Jordan Curve Theorem.

TEXTBOOK

Topology – A first course by James R.Munkres, Prentice-Hall of India Pvt Ltd, Third print.

REFERENCE BOOKS

1. A basic course in Algebraic Topology by William S Massey, Springer , First Edition.
2. Lecture notes on Elementary Topology and Geometry(Under graduate Texts in Mathematics) by I.M.Singer and John A Thorpe, Springer-Verlag, New York.
3. Elements of Algebraic Topology by James R. Munkres ,Addison-Wesley Publishing Company-1984
4. Allen Hatcher, Algebraic Topology, Cambridge University Press ,2002.

ELECTIVE V (2)

FLUID DYNAMICS

Objectives

1. To give the students an introduction to the behaviour of fluids in motion.
2. To give the students a feel of the applications of Complex Analysis in the analysis of the flow of liquids.

UNIT I

Real Fluids and Ideal Fluids - Velocity of a Fluid at a point - Streamlines and Path lines: Steady and Unsteady Flows - The Velocity potential - The Vorticity vector - Local and Particle Rates of Change - The Equation of continuity - Worked examples - Acceleration of a Fluid - Conditions at a rigid boundary - General analysis of fluid motion - Pressure at a point in a Fluid at Rest - Pressure at a point in Moving Fluid - Conditions at a Boundary of Two Inviscid Immiscible Fluids - Euler's equation of motion - Bernoulli's equation - Worked examples.

UNIT II

Discussions of a case of steady motion under conservative body forces - Some potential theorems - Some Flows Involving Axial Symmetry - Some special two-Dimensional Flows-Impulsive Motion. Some three-dimensional Flows: Introduction - Sources, Sinks and Doublets - Images in a Rigid infinite Plane - Axi-Symmetric Flows; Stokes stream function.

UNIT III

Some Two- Dimensional Flows: Meaning of a Two- Dimensional Flow - Use of cylindrical polar co-ordinates - The stream function - The Complex Potential for Two- Dimensional, Irrotational, Incompressible Flow - complex velocity potentials for Standard Two Dimensional Flows - Some worked examples - The Milne-Thomson circle theorem and applications - The theorem of Blasius.

UNIT IV

The use of conformal Transformation and Hydrodynamical Aspects - Vortex rows. Viscous flow Stress components in a real fluid - relations between cartesian components of stress - Translational Motion of Fluid element - The Rate of Strain Quadratic and Principle Stresses - Some further properties of the rate of strain quadratic - Stress analysis in fluid motion - Relations between stress and rate of strain - The coefficient of viscosity and laminar flow - The Navier-Stokes equations of motion of a viscous fluid.

UNIT V

Some solvable problems in viscous flow – Steady viscous flow in tubes of uniform cross section – Diffusion of vorticity – Energy Dissipation due to viscosity – Steady Flow past a Fixed Sphere – Dimensional Analysis; Reynolds Number – Prandtl's Boundary Layer.

TEXT BOOK

Text Book of Fluid Dynamics by F.Chorlton ,CBS Publishers & Distributors, New Delhi ,1985.

UNIT I	Chapter 2 and Chapter 3: Sections 3.1 to 3.6
UNIT II	Chapter 3 : Sections 3.7 to 3.11 and chapter 4 : Sections 4.1,4.2,4.3,4.5
UNIT II	Chapter 5 : Sections : 5.1 to 5.9 except 5.7
UNIT IV	Chapter 5 : Section 5.10, 5.12 and Chapter 8 : Sections 8.1 to 8.9
UNIT V	Chapter 8 : Sections 8.10 to 8.16.

REFERENCE

1. Computational Fluid Dynamics: An Introduction, J.F. Wendt J.D. Anderson, G. Degrez and E. Dick, Springer – Verlag, 1996.
2. Computational Fluid Dynamics, The Basics with Applications, J. D. Anderson, McGraw Hill, 1995.
3. An Introduction to Fluid Mechanics, Foundation Books, G. K. Batchelor, New Delhi, 1984.
4. A Mathematical Introduction to Fluid Dynamics, A. J. Chorin and A. Marsden, Springer- Verlag, New York, 1993.
5. Foundations of Fluid Mechanics, S. W. Yuan, Prentice Hall of India Pvt Limited, New Delhi, 1976.
6. An Introduction to Fluid Dynamics, R. K. Rathy Oxford and IBH Publishing Company, New Delhi, 1976.

ELECTIVE V (3)

ALGEBRAIC NUMBER THEORY

Objectives

1. To expose the students to the charm, niceties and nuances in the world of numbers.
2. To highlight some of the Applications of the Theory of Numbers.

UNIT I

Introduction – Divisibility – Primes – The Binomial Theorem – Congruences – Euler's totient – Fermat's, Euler's and Wilson's Theorems – Solutions of congruences – The Chinese Remainder theorem.

UNIT II

Techniques of numerical calculations – Public key cryptography – Prime power Moduli – Primitive roots and Power Residues – Congruences of degree two.

UNIT III

Number theory from an Algebraic Viewpoint – Groups, rings and fields – Quadratic Residues- The Legendre symbol (a/r) where r is an odd prime – Quadratic Reciprocity – The Jacobi Symbol (P/q) where q is an odd positive integer.

UNIT IV

Binary Quadratic Forms – Equivalence and Reduction of Binary Quadratic Forms – Sums of three squares – Positive Definite Binary Quadratic forms – Greatest integer Function – Arithmetic Functions – The Mobius Inversion Formula – Recurrence Functions – Combinatorial number theory .

UNIT V

Diophantine Equations – The equation $ax+by=c$ – Simultaneous Linear Diophantine Equations – Pythagorean Triangles – Assorted examples.

TEXT BOOK

Ivan Niven, Herbert S, Zuckerman and Hugh L, Montgomery, An Introduction to the Theory of Numbers, Fifth edn., John Wiley & Sons Inc, 2004.

UNIT I	Chapter 1 and Chapter 2 : Sections 2.1 to 2.3
UNIT II	Chapter 2 : Sections 2.4 to 2.9
UNIT III	Chapter 2 : Sections 2.10, 2.11 and Chapter 3: Sections 3.1 to 3.3
UNIT IV	Chapter 3 : Sections 3.4 to 3.7 and Chapter 4
UNIT V	Chapter 5: Sections 5.1 to 5.4.

REFERENCES

1. Elementary Number Theory, David M. Burton W.M.C. Brown Publishers, Dubuque, Iowa, 1989.
2. Number Theory, George Andrews, Courier Dover Publications, 1994.
3. Fundamentals of Number Theory, William J. Leveque Addison-Wesley Publishing Company, Phillipines, 1977.



B.Sc. Computer Science Course Structure under CBCS.

(For the Candidates admitted from the Academic year 2016-2017 onwards)

Semester	Part	Course	Title	Instru. Hours/Week	Credit	Exam Hours	Marks		Total	
							Int	Extn.		
I	I	Language Course – I (LC) – Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course - I (ELC)		6	3	3	25	75	100	
	III		Core Course – I (CC)	Programming in C	6	5	3	25	75	100
			Core Practical - I (CP)	Programming in C Lab	3	2	3	40	60	100
			First Allied Course –I (AC)		4	4	3	25	75	100
		First Allied Course – II (AC)		3	-	-	-	-	-	
	IV	Value Education	Value Education		2	2	3	25	75	100
Total				30	19				600	
II	I	Language Course – II (LC) – Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course – II (ELC)		6	3	3	25	75	100	
	III		Core Course – II (CC)	Programming in C++	6	6	3	25	75	100
			Core Practical - II (CP)	Programming in C++ Lab	3	2	3	40	60	100
			First Allied Course – II (AC)		3	3	3	25	75	100
		First Allied Course – III (AC)		4	2	3	25	75	100	
	IV	Environmental Studies	Environmental Studies		2	2	3	25	75	100
Total				30	21				700	
III	I	Language Course – III (LC) – Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course - III (ELC)		6	3	3	25	75	100	
			Core Course – III (CC)	Programming in Java	6	5	3	25	75	100
			Core Practical - III (CP)	Programming in Java Lab	3	2	3	40	60	100
			Second Allied Course – I (AC)		4	4	3	25	75	100
		Second Allied Practical (AP)		3	-	-	-	-	-	
	III	Non Major Elective I - for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	Working Principles of Internet		2	2	3	25	75	100
Total				30	19				600	

IV	I	Language Course –IV (LC) - Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course–IV (ELC)		6	3	3	25	75	100	
	III	Core Course – IV (CC)	Database Systems		5	5	3	25	75	100
		Core Practical - IV (CP)	Database Systems Lab		3	2	3	40	60	100
		Second Allied Practical (AP)			3	3	3	40	60	100
		Second Allied Course–II (AC)			3	2	3	25	75	100
	IV	Non Major Elective II - for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	Fundamentals of Information Technology		2	2	3	25	75	100
	Skill Based Elective - I	Skill Based Elective - I		2	2	3	25	75	100	
Total				30	22				800	
V	III	Core Course V [CC]	Data Structures and Algorithms		5	5	3	25	75	100
		Core Course VI [CC]	Computer Networks		5	5	3	25	75	100
		Core Course VII [CC]	Digital Electronics and Microprocessor		5	5	3	25	75	100
		Core Practical V [CP]	Digital Electronics and Microprocessor Lab		4	3	3	40	60	100
		Major Based Elective - I	Software Engineering / System Analysis and Design / Management Information System		5	5	3	25	75	100
	IV	Skill Based Elective - II	Skill Based Elective - II		2	2	3	25	75	100
		Skill Based Elective – III	Skill Based Elective – III		2	2	3	25	75	100
		Soft Skills Development	Soft Skills Development		2	2	3	25	75	100
Total				30	29				800	
VI	III	Core Course VIII [CC]	Operating Systems		6	6	3	25	75	100
		Core Course IX [CC]	Programming in PHP		6	6	3	25	75	100
		Core Practical VI [CP]	Programming in PHP Lab		5	4	3	40	60	100
		Major Based Elective - II	Computer Graphics / Cloud Computing / Business Process Outsourcing		6	6	3	25	75	100
		Major Based Elective - III	Mini Project (Students to do it in their respective Colleges) / Dot Net Lab / Linux Lab		6	6	3	40	60	100
	V	Extension Activities	Extension Activities		-	1	-	-	-	-
		Gender Studies	Gender Studies		1	1	3	25	75	100
Total				30	30				600	
Grand Total				180	140	-	-	-	4100	

List of Allied Courses

Allied Course I
Mathematics

Allied Course II
Applied Physics

Language Part – I	-	4
English Part –II	-	4
Core Paper	-	9
Core Practical	-	6
Allied Paper	-	4
Allied Practical	-	2
Non-Major Elective	-	2
Skill Based Elective	-	3
Major Based Elective	-	3
Environmental Studies	-	1
Value Education	-	1
Soft Skill Development	-	1
Gender Studies	-	1
Extension Activities	-	1 (Credit only)

* for those who studied Tamil upto 10th +2 (Regular Stream)

+ Syllabus for other Languages should be on par with Tamil at degree level

those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part I should study special Tamil in Part IV

** Extension Activities shall be out side instruction hours

Non Major Elective I & II – for those who studied Tamil under Part I

- Basic Tamil I & II for other language students
- Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

	Internal Marks	External Marks
1. Theory	25	75
2. Practical	40	60
3. Separate passing minimum is prescribed for Internal and External marks		

FOR THEORY

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]

The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

FOR PRACTICAL

The passing minimum for CIA shall be 40% out of 40 marks [i.e. 16 marks]

The passing minimum for University Examinations shall be 40% out of 60 marks [i.e. 24 marks]

CORE COURSE I
PROGRAMMING IN C

Objective:

To impart basic knowledge of Programming Skills in C language.

Unit I

Introduction to C – Constants, Variables, Data types – Operator and Expressions.

Unit II

Managing Input and Output operations – Decision Making and Branching – Decision Making and Looping.

Unit III

Arrays – Character Arrays and Strings – User defined Functions.

Unit IV

Structures and Unions – Pointers – File management in C.

Unit V

Dynamic memory allocation – Linked lists- Preprocessors – Programming Guide lines.

Text Book:

1. Balagurusamy E., Programming in ANSI C , Sixth Edition, McGraw-Hill, 2012

Reference Book:

1. R.S. Bichkar, Programming with C, University Press, 2012

CORE PRACTICAL I
PROGRAMMING IN C LAB

Objective :

To Impart Practical Training in C Programming Language

1. Write a Program to convert temperature from degree Centigrade to Fahrenheit.
2. Write a Program to find whether given number is Even or Odd.
3. Write a Program to find greatest of Three numbers.
4. Write a Program to using switch statement to display Monday to Sunday.
5. Write a Program to display first Ten Natural Numbers and their sum.
6. Write a Program to find Multiplication of Two Matrices.
7. Write a Program to find the maximum number in Array using pointer.
8. Write a Program to reverse a number using pointer.
9. Write a Program to solve Quadratic Equation using functions.
10. Write a Program to find factorial of a number using Recursion.
11. Write a Program to show Call by Value and Call by Reference.
12. Write a Program to add two numbers using pointer.
13. Write a Program to create a file containing Student Details.
14. Write a Program to update the details of student's information using various file modes.

CORE COURSE II
PROGRAMMING IN C++

Objective:

To impart basic knowledge of Programming Skills in C++ language.

Unit I

Basic Concepts of Object- Oriented Programming - Benefits of OOP - Object Oriented Languages - Applications of OOP – Structure of C++ Program - Tokens, Expressions and Control Structures – Functions in C++

Unit II

Classes and Objects – Constructors and Destructors –Operator Overloading and Type Conversions

Unit III

Inheritance : Extending Classes – Pointers - Virtual Functions and Polymorphism

Unit IV

Managing Console I/O Operations – Working with Files – Templates – Exception Handling

Unit V

Standard Template Library – Manipulating Strings – Object Oriented Systems Development

Text Book

1. Balagursamy E, Object Oriented Programming with C++, Tata McGraw Hill Publications, Sixth Edition, 2013

Reference Books

1. Ashok Kamthane, Programming in C++, Pearson Education,2013.

CORE PRACTICAL II
PROGRAMMING IN C++ LAB

Objectives :

To Impart Practical Training in C++ Programming Language

1. Classes

Write a Program using a class to represent a Bank Account with Data Members – Name of depositor, Account Number, Type of Account and Balance and Member Functions – Deposit Amount – Withdrawal Amount. Show name and balance. Check the program with own data.

2. Constructor & Destructor

Write a program to read an integer and find the sum of all the digits until it reduces to a single digit using constructor, destructor and default constructor.

3. Default & Reference Argument

Write a program using function overloading to read two matrices of different data types such as integers and floating point numbers. Find out the sum of the above matrices separately and display the total sum of these arrays individually.

4. Operator Overloading

- a. Addition of Two Complex Numbers.
- b. Matrix Multiplication

5. Inheritance

Prepare Pay Roll of an employee using Inheritance.

6. Pointers

- a. Write a Program to find the number of vowels in a given text
- b. Write a Program to check for Palindrome

7. Files

Prepare Students Mark List in a file with Student Number, Mark in four subjects and Mark Total. Write a program to arrange these records in the ascending order of Mark Total and write them in the same file overwriting the earlier records.

8. Exception Handling

Prepare Electricity Bill for customers generating and handling any two Exceptions.

CORE COURSE III
PROGRAMMING IN JAVA

Objective:

To understand the basic concepts of Object Oriented Programming with Java language

Unit I

Object Oriented Programming : Introduction to OOP – Objects and Classes – Characteristics of OOP – Difference between OOP and Procedure Oriented Language – Introduction to java Programming : Introduction – Features of Java – Comparing java and Other Languages – Applications and Applets – Java Development Kit – Complex Programs – Java Source File Structure – Prerequisites for Compiling and Running Java Programs

Unit II

Java Language Fundamentals : The Building Blocks of Java – Data Types – Variable Declarations – Wrapper Classes – Operations and Assignment – Control Structures – Arrays – Strings – StringBuffer Class

Unit III

Java as an OOP Language : Defining Classes – Modifiers – Packages - Interfaces

Unit IV

Exception Handling : Introduction – Basics of Exception Handling – Exception Hierarchy – Constructors and Methods in Throwable Class - Unchecked and Checked Exceptions – Handling Exceptions in Java – Exception and Inheritance – Throwing User-defined Exceptions – Redirecting and Rethrowing Exceptions – Advantages of Exception Handling Mechanism – Multithreading : Introduction – Creating Threads – Thread Life-cycle – Thread Priorities and Thread Scheduling – Thread Synchronization – Daemon Threads – Thread Groups – Communication of Threads

Unit V

Files and I/O Streams : Overview – Java I/O – File Streams – FileInputStream and FileOutputStream – File Streams – RandomAccess File – Serialization - Applets : Introduction – Java Applications versus Java Applets – Applet Life-cycle – Working with Applets – The HTML APPLET Tag – The java.Applet package

Text Book :

1. Object Oriented Programming through Java, P. Radha Krishna, University Press, 2011.

Reference Book:

1. Java Programming, K. Rajkumar, Pearson India, 2013

CORE PRACTICAL III

PROGRAMMING IN JAVA LAB

Objectives :

To Impart Practical Training in Java Programming Language

1. Write a program to sort the given numbers using arrays.
2. Write a program to implement the FIND and REPLACE operations in the given multiple text.
3. Write a program to implement a calculator to perform basic arithmetic Operations.
4. Write a program to find the area of a rectangle using constructor
5. Write a program to find the student's percentage and grade using command line arguments.
6. Write a program to draw circle or triangle or square using polymorphism and inheritance.
7. Implement multiple inheritance concepts in java using interface, you can choose your own example of a company or education institution or a general concept which requires the use of interface to solve a particular problems.
8. Write a program to create threads and assign priorities to them
9. Write a program to develop an applet to play multiple audio clips using multithreading.
10. Write a program to create a window with three check boxes called red, green and blue. The applet should change the colors according to the selection.

CORE COURSE IV
DATABASE SYSTEMS

Objective :

To provide the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL

Unit I

Introduction: Database-System Applications- Purpose of Database Systems - View of Data -- Database Languages - Relational Databases - Database Design -Data Storage and Querying Transaction Management -Data Mining and Analysis - Database Architecture - Database Users and Administrators - History of Database Systems.

Unit II

Relational Model: Structure of Relational Databases -Database Schema - Keys - Schema Diagrams - Relational Query Languages - Relational OperationsFundamental Relational-Algebra Operations Additional Relational-Algebra Operations- Extended Relational-Algebra Operations - Null Values - Modification of the Database.

Unit III

SQL:Overview of the SQL Query - Language - SQL Data Definition - Basic Structure of SQL Queries - Additional Basic Operations - Set Operations - Null Values Aggregate Functions - Nested Subqueries - Modification of the Database -Join Expressions - Views - Transactions - Integrity Constraints - SQL Data Types and Schemas - Authorization

Unit IV

Relational Languages: The Tuple Relational Calculus - The Domain Relational Calculus Database Design and the E-R Model: Overview of the Design Process - The Entity-Relationship Model - Reduction to Relational Schemas - Entity-Relationship Design Issues - Extended E-R Features - Alternative Notations for Modeling Data - Other Aspects of Database Design

Unit V

Relational Database Design: Features of Good Relational Designs - Atomic Domains and First Normal Form - Decomposition Using Functional Dependencies - Functional-Dependency Theory - Decomposition Using Functional Dependencies - Decomposition Using Multivalued Dependencies-More Normal Forms - Database-Design Process

Text Book:

1. Database System Concepts, Sixth edition, Abraham Silberschatz, Henry F. Korth, S. Sudarshan, McGraw-Hill-2010.

Reference Books:

- 1 Database Systems: Models, Languages, Design and Application, Ramez Elmasri, Pearson Education 2014

CORE PRACTICAL IV
DATABASE SYSTEMS LAB

Objective :

To Impart Practical Training in MySQL

1. Create a table and perform the following basic mysql operations
 - a) Set the primary key
 - b) Alter the structure of the table
 - c) Insert values
 - d) Delete values based on constraints
 - e) Display values using various forms of select clause
 - f) Drop the table

2. Develop mysql queries to implement the following set operations
 - a) Union
 - b) Union all
 - c) Intersect
 - d) Intersect all

3. Develop mysql queries to implement the following aggregate functions
 - a) Sum
 - b) Count
 - c) Average
 - d) Maximum
 - e) Minimum
 - f) Group by clause & having clause

4. Develop mysql queries to implement following join operations
 - a) Natural join
 - b) Inner join
 - c) Outer join-left outer, right outer, full outer
 - d) Using join conditions

5. Develop mysql queries to implement nested subqueries
 - a) Set membership (int, not int)
 - b) Set comparison (some, all)
 - c) Empty relation (exists, not exists)
 - d) Check for existence of Duplicate tuples(unique, not unique)

6. Develop mysql queries to create a views and expand it.

7. Develop mysql queries to implement

- a) String operations using %
- b) String operations using '_'
- c) Sort the element using asc,desc
[*create necessary relations with requires attribute]

8. Consider the following database for a banking enterprise

BRANCH(branch-name:string, branch-city:string, assets:real)

ACCOUNT(accno:int, branch-name:string, balance:real)

DEPOSITOR(customer-name:string, accno:int)

CUSTOMER(customer-name:string, customer-street:string, customer-city:string)

LOAN(loan-number:int, branch-name:string, amount:real)

BORROWER(customer-name:string, loan-number:int)

- i. Create the above tables by properly specifying the primary keys and the foreign keys
- ii. Enter at least five tuples for each relation
- iii. Find all the customers who have at least two accounts at the *Main* branch.
- iv. Find all the customers who have an account at *all* the branches located in a specific city.
- v. Demonstrate how you delete all account tuples at every branch located in a specific city.
- vi. Generate suitable reports.
- vii. Create suitable front end for querying and displaying the results.

CORE COURSE V
DATA STRUCTURES AND ALGORITHMS

Objective:

To understand the concepts of Data Structures and Algorithms.

Unit I

Arrays and sequential representations – ordered lists – Stacks and Queues – Evaluation of Expressions – Multiple Stacks and Queues – Singly Linked List – Linked Stacks and queues – Polynomial addition.

Unit II

Trees – Binary tree representations – Tree Traversal – Threaded Binary Trees – Binary Tree Representation of Trees – Graphs and Representations – Traversals, Connected Components and Spanning Trees – Shortest Paths and Transitive closure – Activity Networks – Topological Sort and Critical Paths.

Unit III

Algorithms – Priority Queues – Heaps – Heap Sort – Merge Sort – Quick Sort – Binary Search – Finding the Maximum and Minimum.

Unit IV

Greedy Method : The General Method – Optimal Storage on Tapes – Knapsack Problem – Job Sequencing with Deadlines – Optimal Merge Patterns.

Unit V

Back tracking: The General Method – The 8-Queens Problem – Sum of Subsets – Graph Coloring.

Text Books:

1. Fundamentals of Data Structure – Ellis Horowitz, Sartaj Sahni, Galgotia Publications, 2008.
2. Computer Algorithms – Ellis Horowitz, Sartaj Sahni and Sanguthevar Rajasekaran, University Press, 2008.

Reference Book:

1. Data Structures – Seymour Lipschutz, Tata Mcgraw Hill, Schaum's Outline Series, 2014.

CORE COURSE VI

COMPUTER NETWORKS

Objective:

To understand the Design and Organization of Computer Networks

Unit I

Overview and Physical Layer: Introduction: Data Communications - Networks - Network Types, Network Models: TCP/IP Protocol Suite- The OSI Model, Bandwidth utilization : Multiplexing- Spread Spectrum, Transmission Media: Guided Media-Unguided Media, Switching: Circuit Switched Network-Packet Switching-Structure of a switch

Unit II

Data Link Layer: Error Deduction and Correction : Introduction- Cyclic codes- Forward error correction, Data link Control: Data link layer protocols- Media Access Control: Random Access- Controlled Access, Wireless Networks: IEEE 802.11- Bluetooth-Cellular Telephone- Satellite network- Connection devices,

Unit III

Network Layer Services : Packet Switching- Network layer performance- IPV4 Addresses- Internet Protocol-Routing Algorithms - IPV6 Addressing

Unit IV

Transport Layer : Transport Layer Protocols- User Datagram Protocol - TCP:TCP Services TCP features - Windows in TCP - Flow Control - Error Control- TCP Congestion Control - TCP timers

Unit V

Application Layers : Client Server Programming - Word Wide Web & HTTP - FTP - Email - DNS

Text Book:

1. Data Communications and Networking, Behrouz A Forouzan, Tata McGraw Hill, Fifth Edition, 2013.

Reference Book:

1. Data Communications and Networks, Achyut Godbole and Atul Kahate, McGraw Hill Education, 2011.

CORE COURSE VII
DIGITAL ELECTRONICS AND MICROPROCESSOR

Objective :

To provide an overview about Digital Electronics and Microprocessors

Unit I

Number Systems and Codes: Binary Number System – Binary to Decimal Conversion – Decimal to Binary Conversion – Octal Numbers – Hexadecimal Numbers – Binary Codes – Logic Gates and Circuits: – AND, OR, NOT, NAND, NOR, Exclusive OR and Exclusive NOR Gates

Unit II

Boolean Algebra: Definitions – Fundamentals of Boolean Algebra – Boolean Functions – Minterms and Maxterms – Laws and Theorems of Boolean Algebra – DeMorgan's Theorem - Simplifying Logic Circuits – Sum of Products – AND-OR Networks – Sum of Products and Product of Sums Forms – Karnaugh Maps – Product of Sums Simplification – NAND and NOR Implementation - Don't Care Conditions – Overlapping Groups – Rolling the Map – Eliminating Redundant Groups.

Unit III

Combinational Logic Circuits: Introduction – Adders – The Half Adder – The Full Adder – Subtractors – BCD Adder – Multiplexers – Demultiplexers – Decoders – Encoders – Sequential Logic Circuits: Flip Flops – RS Flip Flop – Clocked RS Flip Flop – D Flip Flop – JK Flip Flop – T Flip Flop – Master Slave Flip Flop Registers: Counters – Asynchronous or Ripple Counter – Ring Counter – Shift Registers.

Unit IV

Evolution of Microprocessor – Single chip Microcomputer – Microprocessor Applications – Buses – Memory Addressing capacity and CPU – Microcomputers – Processor Architecture – Intel 8085 – Instruction cycle – Timing Diagram

Unit V

Instruction Set of Intel 8085 – Instruction and Data Format – Address Modes – Status Flags – Intel 8085 instruction - Programming Microprocessor – Assembly language – Assembler.

Text Books:

1. Principles of Digital Electronics, Dr. K. Meena, PHI Learning Private Limited, New Delhi, 2009.
2. Fundamentals of Microprocessors and Microcomputers, Badri Ram, Eighth Edition, Dhanpat Rai Publications, 2012.

Reference Books:

1. Digital Logic Design, M. Morris Mano, Pearson Education, 2010
2. Microprocessors and Microcontrollers, Senthil Kumar Saravanan, Jeevananthan, Oxford Univ Press, 2010

CORE PRACTICAL V

DIGITAL ELECTRONICS AND MICROPROCESSOR LAB

Objective :

To Impart Practical Training related to Digital Electronics and Microprocessors

A. Digital Electronics Experiments

1. Verification of Logic gates
2. Construction of half and full adder
3. K-Map
4. Shift register
5. Up Down Counters

B. Microprocessor Experiments

1. EightBit Addition and Subtraction
2. Sum of series
3. Data transfer
4. Maximum of N Numbers
5. Decimal to Hexadecimal

MAJOR BASED ELECTIVE I (A)
SOFTWARE ENGINEERING

Objective:

To provide knowledge of the various phases of Software Engineering Process

Unit I

Introduction : Introduction to Software Engineering - Software Process - Software Process Models - Software Model - Requirements Engineering Principles : Requirements Engineering - Importance of Requirements - Types of Requirements - Steps involved in Requirements Engineering

Unit II

Requirements Analysis Modeling : Analysis Modeling Approaches - Structured Analysis - Object Oriented Analysis - Design and Architectural Engineering : Design Process and Concepts - Basic Issues in Software Design - Characteristics of Good Design - Software Design and Software Engineering - Function Oriented System vs Object Oriented System - Modularity, Cohesion, Coupling, Layering - Real Time Software Design - Design Models - Design Documentation

Unit III

Object Oriented Concepts : Fundamental Parts of Object Oriented Approach - Data Hiding and Class Hierarchy Creation - Relationships - Role of UML in OO Design - Design Patterns - Frameworks - Object Oriented Analysis - Object Oriented Design - User Interface Design : Concepts of User Interface - Elements of User Interface - Designing the User Interface - User Interface Evaluation - Golden Rules of User Interface Design - User Interface Models - Usability

Unit IV

Software Coding - Introduction to Software Measurement and Metrics - Software Configuration - Project Management Introduction - Introduction to Software Testing - Software Maintenance

Unit V

Web Engineering : Introduction to Web - General Web Characteristics - Web Application Categories - Working of Web Application - Advantages and Drawbacks of Web Applications - Web Engineering - Emerging Trends in Software Engineering - Web 2.0 - Rapid Delivery - Open Source Software Development - Security Engineering - Service Oriented Software Engineering - Web Service - Software as a Service - Service Oriented Architecture - Cloud Computing - Aspect Oriented Software Development - Test Driven Development - Social Computing

Textbook:

1. Software Engineering, Chandramouli Subramanian, SaikatDutt, Chandramouli Seetharaman, B.G.Geetha, Pearson Publications, 2015

Reference Books:

1. Software Engineering, Jibitesh Mishra, Pearson Education, 2011

CORE COURSE VIII
OPERATING SYSTEMS

Objective:

To provide the Fundamental Concepts in an Operating System.

Unit I Introducing Operating Systems

Introduction - What Is an Operating System-Operating System Software -A Brief History of Machine Hardware -Types of Operating Systems -Brief History of Operating System Development-Object-Oriented Design

Unit II Memory Management

Early Systems: Single-User Contiguous Scheme -Fixed Partitions-Dynamic Partitions-Best-Fit versus First-Fit Allocation -Deallocation - Relocatable Dynamic Partitions. Virtual Memory: Paged Memory Allocation-Demand Paging-Page Replacement Policies and Concepts -Segmented Memory Allocation-Segmented/Demand Paged Memory Allocation - Virtual Memory-Cache Memory

Unit III Processor Management

Overview-About Multi-Core Technologies-Job Scheduling Versus Process Scheduling-Process Scheduler-Process Scheduling Policies-Process Scheduling Algorithms -A Word About Interrupts-Deadlock-Seven Cases of Deadlock -Conditions for Deadlock-Modeling Deadlock-Strategies for Handling Deadlocks -Starvation- Concurrent Processes: What Is Parallel Processing-Evolution of Multiprocessors-Introduction to Multi-Core Processors-Typical Multiprocessing Configurations--Process Synchronization Software

Unit IV Device Management

Types of Devices-Sequential Access Storage Media-Direct Access Storage Devices-Magnetic Disk Drive Access Times- Components of the I/O Subsystem-Communication among Devices-Management of I/O Requests

Unit: V File Management

The File Manager -Interacting with the File Manager -File Organization - Physical Storage Allocation -Access Methods-Levels in a File Management System - Access Control Verification Module

Text Book:

1. Understanding Operating Systems, Ann McIver McHoes and Ida M. Flynn, Course Technology, Cengage Learning, 2011.

Reference Book:

1. OperatingSystems,AchyutGodbole and AtulKahate , McGraw Hill Publishing, 2010

CORE COURSE IX
PROGRAMMING IN PHP

Objective :

To understand the Concepts of PHP and Ajax.

Unit I

Essentials of PHP - Operators and Flow Control - Strings and Arrays.

Unit II

Creating Functions - Reading Data in Web Pages - PHP Browser - Handling Power.

Unit III

Object-Oriented Programming -Advanced Object-Oriented Programming .

Unit IV

File Handling -Working with Databases - Sessions, Cookies, and FTP

Unit V

Ajax - Advanced Ajax - Drawing Images on the Server.

Text Book:

1. The PHP Complete Reference, Steven Holzner, McGrawHillEducation, 2007

Reference Books:

1. PHP: A Beginner's Guide, Vikram Vaswani, McGraw Hill Education, 2008

CORE PRACTICAL VI

PROGRAMMING IN PHP LAB

Objective :

To Impart Practical Training in PHP Programming Language

1. Write a program to find the factorial of a number.
2. Write a program using Conditional Statements.
3. Write a program to find the maximum value in a given multi dimensional array.
4. Write a program to find the GCD of two numbers using user-defined functions.
5. Design a simple web page to generate multiplication table for a given number.
6. Design a web page that should compute one's age on a given date.
7. Write a program to download a file from the server.
8. Write a program to store the current date and time in a COOKIE and display the 'Last Visited' date and time on the web page.
9. Write a program to store page views count in SESSION, to increment the count on each refresh and to show the count on web page.
10. Write a program to draw the human face.
11. Write a program to design a simple calculator.
12. Design an authentication web page in PHP with MySQL to check username and password.

MAJOR BASED ELECTIVE II (A)

COMPUTER GRAPHICS

Objective:

To understand the concepts on basic Graphical Techniques, Raster Graphics, Two Dimensional and Three Dimensional Graphics

Unit I

Overview of Computer Graphics System: Video Display Devices – Raster Scan Systems – Random – Scan Systems - Graphics Monitors and Workstations – Input Devices – Hardcopy Devices – Graphics Software.

Unit II

Output Primitives: Line Drawing Algorithms – Loading the Frame Buffer – LineFunction – Circle – Generating Algorithms.Attributes of Output Primitives: Line Attributes – Curve Attributes – Color and Grayscale levels– Area fill Attributes – Character Attributes – Bundled Attributes – Inquiry Functions.

Unit III

2D Geometric Transformations: Basic Transformation – Matrix Representations – Composite Transformations – Window to View port Co-Ordinate Transformations.Clipping: Point Clipping – Line Clipping – Cohen-Sutherland Line Clipping – Liang BarskyLineClipping – Polygon Clipping – Sutherland – Hodgman Polygon Clipping – Curve Clipping – TextClipping.

Unit IV

Graphical User Interfaces and Interactive Input Methods: The User Dialogue – Inputof Graphical Data – Input Functions – Interactive Picture Construction Techniques.Three Dimensional Concepts: 3D-Display Methods – #Three Dimensional Graphics Packages

Unit V

3D Geometric and Modeling Transformations: Translation – Scaling – Rotation – Other Transformations.Visible Surface Detection Methods: Classification of Visible Surface Detection Algorithm –Backface Detection – Depth-Buffer Method – A-Buffer Method – Scan-Line Method –Applications of Computer Graphics.

Text Book:

1. Donald Hearn M. Pauline Baker, Computer Graphics C Version, Second Edition, Pearson Education, 2014.

Reference Book:

1. Computer Graphics, Sunil Kumar Sharma, ManojSinghal, Pearson Education,2014

MAJOR BASED ELECTIVE III (A)

MINI PROJECT

Students to do Mini Project in their respective Colleges. The **objective** of the Mini Project is to enable the students to work in convenient groups of not more than Four members on a project with a Latest Software.



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI 620 024

B.A English Syllabus under CBCS

(Applicable to the candidates admitted from the academic year 2018 -2019 onwards)

Sem	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total
						Int.	Ext.	
I	I	Language Course – I (LC) – Tamil*/Other Languages + #	6	3	3	25	75	100
	II	English Language Course - I (ELC) Prose for Effective Communication	6	3	3	25	75	100
	III	Core Course – I (CC) Prose	6	5	3	25	75	100
		Core Course – II (CC) Short Stories	6	5	3	25	75	100
		Allied Course – I (AC) Social History of England	4	3	3	25	75	100
	IV	Value Education	2	2	3	25	75	100
		Total	30	21				600
II	I	Language Course – II (LC) - Tamil*/Other Languages + #	6	3	3	25	75	100
	II	English Language Course – II (ELC) Poetry for Effective Communication	6	3	3	25	75	100
	III	Core Course – III (CC) Poetry I	6	5	3	25	75	100
		Core Course – IV (CC) Fiction	6	5	3	25	75	100
		Allied Course – II (AC) Literary Forms	4	3	3	25	75	100
	IV	Environmental Studies	2	2	3	25	75	100
		Total	30	21				600
III	I	Language Course – III (LC) Tamil*/Other Languages + #	6	3	3	25	75	100
	II	English Language Course - III (ELC) Drama for Effective Communication	6	3	3	25	75	100
	III	Core Course – V (CC) Poetry II	6	5	3	25	75	100
		Core Course – VI (CC) One-Act Plays	6	5	3	25	75	100
		Allied Course – III (AC) History of English Literature I	4	3	3	25	75	100
	IV	Non Major Elective I – for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil up to 10th +2 but opt for other languages in degree programme c) Presentation Skills	2	2	3	25	75	100
		Total	30	21				600

IV	I	Language Course –IV (LC) Tamil*/Other Languages +#	6	3	3	25	75	100
	II	English Language Course – IV (ELC) Short Stories for Effective Communication	6	3	3	25	75	100
	III	Core Course – VII (CC) – Drama	5	5	3	25	75	100
		Core Course - VIII (CC)- Introduction to Language and Linguistics	5	5	3	25	75	100
		Allied Course – IV (AC) History of English Literature II	4	3	3	25	75	100
	IV	Non Major Elective II – for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10 th +2 but opt for other languages in degree programme c) Functional Skills	2	2	3	25	75	100
	V	Skill-based Elective I	2	2	3	25	75	100
		Total	30	23				700
V	III	Core Course – IX (CC) Shakespeare	5	5	3	25	75	100
		Core Course – X (CC) Principles of Literary Criticism	5	5	3	25	75	100
		Core Course – XI (CC) American Literature	5	5	3	25	75	100
		Core Course – XII (CC) Indian Culture and Literature	5	5	3	25	75	100
		Major-based Elective – I Translation : Theory and Practice	4	3	3	25	75	100
	IV	Skill-based Elective – II	2	2	3	25	75	100
	IV	Skill-based Elective – III	2	2	3	25	75	100
	IV	Soft Skills Development	2	2	3	25	75	100
		Total	30	29				800
VI	III	Core Course – XIII (CC) Indian Writing in English	6	5	3	25	75	100
		Core Course – XIV (CC) Commonwealth Literature	6	5	3	25	75	100
		Core Course – XV (CC) English Language Teaching	6	5	3	25	75	100
		Major-based Elective II Journalism	5	4	3	25	75	100
		Major-based Elective III English for Competitive Examinations	6	4	3	25	75	100
	V	Extension Activities		1	-	-	-	-
	V	Gender Studies	1	1	3	25	75	100
		Total	30	25				600
	Grand Total	180	140	-	-	-	3900	

	No. of Courses
Language Part – I	- 4
English Part –II	- 4
Core Paper	- 15
Allied Paper	- 4
Non-Major Elective	- 2
Skill Based Elective	- 3
Major Based Elective	- 3
Environmental Studies	- 1
Value Education	- 1
Soft Skill Development	- 1
Gender Studies	- 1
Extension Activities	- 1 (Credit only)

* for those who studied Tamil up to 10 +2 (Regular Stream)

+ Syllabus for other Languages should be on par with Tamil at degree level

those who studied Tamil up to 10 +2 but opt for other languages at degree level under Part I should study special Tamil under Part IV

** Extension Activities shall be outside instruction hours

Non Major Elective I & II – for those who studied Tamil under Part I

- a) Basic Tamil I & II for other language students
- b) Special Tamil I & II for those who studied Tamil up to 10th or +2 but opt for other languages in degree programmes

Note:

1. Theory: Internal - 25 marks External - 75 marks

2. Separate passing minimum is prescribed for Internal and External

- a) The passing minimum for CIA shall be 40% of 25 marks (i.e. 10 marks)
- b) The passing minimum for University Examinations shall be 40% of 75 marks (i.e. 30 marks)

Part II English

for All UG programmes (except Hotel Management students)

(Applicable to the candidates admitted from the academic year 2016 -2017 onwards)

Semester I

Prose for Effective Communication

Objectives:

- To make learners read, understand and appreciate texts from various genres of literature
- To familiarize learners with various rhetoric devices
- To help learners read and comprehend literary texts to communicate effectively
- To train learners to improve their comprehension and composition skills

Unit – I

C.E.M. Joad : “Civilization and History”

Issac Asimov : “The Fun They Had”

Unit – II

George Gamow : “Big Numbers and Infinities”

G.C. Thornley : “Oil”

Unit – III

Desmond Morris : “An Observation and an Explanation”

M.W.Thring : “A Robot about the House”

Unit – IV

Rabindranath Tagore : “A Wrong Man in Worker’s Paradise”

Horace Shipp : “Making Surgery Safe”




Unit – V

Swami Vivekananda’s Chicago : i) “Response to Welcome”

Addresses : ii) “Why We Disagree”

Textbook:

W.W.S. Bhaskar and N.S. Prabhu. *English through Reading* Vol.I Laxmi Publications. (for Unit I to Unit IV)

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE I

PROSE

Objectives:

To introduce learners to the evolution of English prose from the Elizabethans to the 20th century

To expose learners to various styles of prose writers

To train learners to imitate and improve their style of writing

Unit – I

Francis Bacon : “Of Studies”

John Milton : “Books”

Unit – II

Joseph Addison : “Periodical Essays”

Richard Steele : “The Spectator Club”

Unit – III

William Hazlitt : “On Going a Journey”

Charles Lamb : “Dream-Children; A Reverie”

Unit – IV

R. L Stevenson : “An Apology for Idlers”


Robert Lynd : “The Pleasures of Ignorance”


Unit – V

A.G. Gardiner : “On the Rule of the Road”

E.V. Lucas : “On Finding Things”

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

CORE COURSE II SHORT STORIES

Objectives:

- To expose learners to short story writing over the centuries
- To provide learners an insight into different cultures
- To help learners appreciate different themes, strategies and techniques employed by the writers

Unit – I (British)

- Saki : “Alice and the Liberal Party”
- Somerset Maugham : “The Verger”

Unit – II (Indian)

- Rabindranath Tagore : “The Postmaster”
- Lakshmi Kannan : “Muniyakka”

Unit – III (Russian)




- Anton Chekhov : “The Bet”
- Leo Tolstoy : “The Candle”

Unit – IV (American)

- Nathaniel Hawthorne : “The Snow-Image”
- Edgar Allan Poe : “The Purloined Letter”

Unit – V (New Zealand & African)

- Katherine Mansfield : “An Ideal Family”
- Chinua Achebe : “The Sacrificial Eggs”

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

A
SOCIAL HISTORY OF ENGLAND

Objectives:
To help learners understand the social and literary history of England from the Middle Ages to the 20th century
To make learners aware of the relation between socio-political and socio-religious events and literary works




Unit – I
Medieval and Tudor England – Renaissance, Reformation

Unit – II
The Civil War and the Restoration England

Unit – III
The Age of Queen Anne

Unit – IV
The Victorian Age

Unit – V
Twentieth Century

Women studies, Gender equality, Gender Gap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

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EDUCATION (Revised Syllabus)

Unit I : Philosophy of Life and Social Values

Human Life on Earth (Kural 629) Purpose of Life (Kural 46) Meaning and Philosophy of Life (Kural 131, 226), Family (Kural 45), Peace in Family (Kural 1025) Society (Kural 446), The Law of Life (Kural 952) Brotherhood (Kural 807) Five responsibilities / duties of Man (a) to himself (b) to his family (c) to his environment (d) to his society, (e) to the Universe in his lives (Kural 43, 981).

Unit II : Human Rights and Organizations

Definitions, Nature of Human Rights. Universal Declaration of Human Rights, International covenant on Civil and Political Rights - International covenant of Economic, Social and Cultural Rights. Amnesty International Red Cross. Contemporary Challenges: Child Labour – Women’s Right - Bonded Labour - Problems of refugees - Capital punishment. National and State Human Rights Commissions

Unit III : RTI Act, 2005 & Consumer Protection Act, 1986

Definition of RTI Act, 2005 and obligations of Public Authorities – The Central Information Commission – The State Information Commission – Powers and Functions of the Information Commissions – Appeals and Penalties. Definition of The Consumer Protection Act, 1986 – State and Central Consumer Protection Councils – Consumer Disputes Redressal Agencies.




Unit IV : Yoga and Health

Definition, Meaning, Scope of Yoga - Aims and objectives of Yoga - Yoga Education with modern context - Different traditions and schools of Yoga - Yoga practices: Asanas, Pranayama and Meditation.

Unit V : Role of State Public Service Commission

Constitutional provisions and formation - Powers and Functions - Methods of recruitment - Rules and notification, syllabi for different exams - written and oral - placement.

BOOKS FOR REFERENCES:

1. Thirukkural with English Translation of Rev. Dr. G.U. Pope, Uma Publication, 156, Serfoji Nagar, Medical College Road, Thanjavur 613 004
2. kVgGxt . \B/Ohih . Nrgz olipbiggkKme dli Fz/ outbmmgl? kRsiU,I/
3. Leah Levin, Human Rights, NBT, 1998
4. V.R. Krishna Iyer, Dialectics and Dynamics of Human Rights in India, Tagore Law Lectures. Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color  Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color  Employability skills, Value education, EVS – Sky blue color 

**TION
PART II ENGLISH
II SEMESTER**

**POETR
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William Shakespeare : “All the World’s a Stage”
Robert Frost : “Road Not Taken”

Unit – II

P.B. Shelley : “Ode to the West Wind”
John Keats : “La Belle Dame sans Merci”

Unit – III

Alfred Tennyson : “Ulysses”
Robert Browning : “My Last Duchess”

Unit – IV

W.B. Yeats : “A Prayer for My Daughter”
T.S. Eliot : “Journey of the Magi”

Unit – V

W.H. Auden : “The Unknown Citizen”
Nissim Ezekiel : “Night of the Scorpion”

Textbook:

Ambiga, Sen Gupta, ed. *Selected College Poems*. Chennai: Orient BlackSwan, 2009.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

CORE COURSE III POETRY I

Objectives:

To introduce learners to the changing trends in English poetry from the Age of Renaissance to Johnson

To help learners analyse and appreciate poetry critically

Unit – I

Edmund Spenser : *Amoretti* LXXV – “One Day I Wrote Her Name”
William Shakespeare : *Sonnet 18*

Unit– II

John Donne : “Go and Catch the Falling Star”
Andrew Marvel : “A Dialogue between the Soul and Body”

Unit – III

John Milton : “Lycidas”

Unit– IV

John Dryden : “A Song of St. Cecilia’s Day”
Alexander Pope : “Ode on Solitude”

Unit – V

Oliver Goldsmith : “The Village Preacher”
William Blake : “The Lamp”

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

CORE COURSE IV

FICTION

Objectives:

To make learners understand different forms of novel from the Age of Tennyson to the 20th century

To enable learners to identify diverse fictional themes and techniques

To help learners improve their creative and imaginative faculties through the novels of major British writers

Unit – I

Charles Dickens

: *David Copperfield*

Unit– II

R.L. Stevenson

: *Treasure Island*

Unit– III

Joseph Conrad

: *Heart of Darkness*

Unit – IV




Virginia Woolf

: *To the Light House*

Unit – V

Aldous Huxley

: *Brave New World*

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

**ALLIED
COURSE II
LITERARY
FORMS**

Objectives:

To initiate learners into the study of various literary forms
To enable learners to understand the literary terms while analyzing and interpreting the works of literature

Unit– I: Poetry

Ballad – Epic and Mock Epic – Dramatic Monologue – Limerick – Lyric – Ode –
Elegy – Pastoral Elegy – Sonnet

Unit– II: Poetry

Rhyme – Metre – Stanza Form – Types of Verse – Figures of Speech

Imagery – Simile and Metaphor – Personification – Onomatopoeia – Alliteration –
Apostrophe – Hyperbole – Oxymoron – Allegory – Allusion – Irony and Metonymy

Unit – III: Drama




The Origin and Growth of Drama in England – Tragedy and Comedy – Dramatic
Design – Romantic Tragedy and Romantic Comedy – Tragicomedy – Chronicle Plays –
Masque and Antimasque – Comedy of Humours – Comedy of Manners – Genteel
Comedy – Sentimental Comedy – Farce – Melodrama – Expressionist Drama – Absurd
Drama – One-Act Play

Unit– IV: Non-Fiction

Biography – Autobiography – Essay – Aphoristic, Personal, Critical, Periodical

Unit – V: Fiction

Short Story – Picaresque Novel – Historical, Sentimental and Gothic Novel – Science
Fiction – Detective – Social and Proletarian – Stream-of-Consciousness Novel

Women studies, Gender equality, Gender Gap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

ENVIRONMENTAL STUDIES

(Applicable to the candidates admitted from the Academic year 2019 – 20 onwards)

Unit : 1 The Multi disciplinary nature of environmental studies
Definition , scope and importance. (2lectures)

Need for public awareness

Unit : 2 Natural Resources :
Renewable and non – renewable resources :

Natural associated problems.resources and

- a) Forest resources : use and over – exploitation , deforestation , case studies
.Timber extraction , mining, dams and their effects on forests and tribal people.
 - b) Water resources : Use and over – utilization of surface and ground water ,
floods , drought, conflicts over water, dams benefits and problems.
 - c) Mineral resources : Use and exploitation , environmental effects of extracting
and using mineral resources, case studies.
 - d) Food resources: World food problems, changes caused by agriculture and
overgrazing , effects of modern agriculture , fertilizer – pesticide problems
,water logging, salinity, case studies.
 - e) Energy resources : Growing energy needs , renewable and non renewable
energy sources, use of alternate energy sources. Case studies.
 - f) Land resources : Land as a resources , land degradation , man induced
Landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
 - Equitable use of resources for sustainable lifestyles.

(8lectures)

Unit : 3 Ecosystems

- Concept of an ecosystem.
- Structure and function of an ecosystem.
- Producers , consumers and decomposers
- Energy flow in the ecosystem
- Ecological succession.
- Food chains , food webs and ecological pyramids
- Introduction , types , characteristic features ,structure and function of
the following ecosystem:-

a. Forest ecosystem

- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems ,(ponds , streams , lakes , rivers , oceans , estuaries)

(6lectures)

Unit : 4 Biodiversity and its conservation

- Introduction – Definition : Genetic , species and ecosystem diversity
- Bio geographical classification of India

- Value of biodiversity : consumptive use , productive use , social , ethical , aesthetic and option values
- Biodiversity at global , National and local levels
- India as a mega - diversity nation
- Hot-spots of biodiversity
- Threats to biodiversity : habit at loss , poaching of wildlife , man-wildlife conflicts.
- Endangered and endemic species of India
- Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.
- Biological Diversity Act 2002/BD Rules , 2004

(8lectures)

Unit : 5

Environmental Pollution

Definition

Causes , effects and control measures of:

- a. Air Pollution
- b. Water Pollution
- c. Soil Pollution
- d. Marine Pollution
- e. Noise pollution
- f. Thermal Pollution
- g. Nuclear hazards

- Solid waste Management : Causes , effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution
- Pollution case studies
- Disaster management : floods , earthquake , cyclone and landslides.
- Ill-Effects of Fireworks : Fire work and Celebrations , Health Hazards, Types of Fire ,Fire work and Safety

(8lectures)

Unit : 6 Social Issues and the Environment

- From Unsustainable to Sustainable development.
- Urban problems related to energy.
- Water conservation , rain water harvesting , water shed management.
- Resettlement and rehabilitation of people ; its problem and concerns .

Case studies

- Environmental ethics : Issues and possible solutions.
- Climate change , global warming , acid rain , ozone layer depletion , nuclear accidents and holocaust. Case studies.
- Waste land reclamation.
- Consumer is made waste products.
- Environment Protection Act.
- Air(Prevention and Control of Pollution)Act.
- Water(Prevention and Control of Pollution)Act.
- Wildlife Protection Act.
- Forest Conservation Act.
- Issues involved in enforcement of environmental legislation
- Public awareness.

(7lectures)

Unit : 7 Human Population and the Environment

- Population growth , variation among nations.
- Population explosion – Family Welfare Programmes
- Environment and human health
- Human Rights – Value Education
- HIV/AIDS – Women and Child Welfare
- Role of Information Technology in Environment and human health
- Case studies.

Unit : 8 Field Work

- Visit to local area to document environmental assets - river/forest/ grassland/ hill / mountain




Semester III

Drama for Effective Communication

William Shakespeare : *The Merchant of Venice*

Textbook:

Romagil. *The Merchant of Venice*. Delhi: Oxford UP, 1992.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE VPOETRY II

Objectives:

To enable learners to comprehend the salient features of various types of poetry from the Romantics up to T.S. Eliot

To make learners sharpen their poetic sensibility and stylistic skills

Unit – I

William Wordsworth

: “The Solitary Reaper”

S. T Coleridge

: “Dejection: An Ode”

Unit – II

John Keats

: “Ode to Nightingale”

P. B Shelley

: “Ozymandias”

Unit – III

Robert Browning

: “Andrea del Sarto”

Alfred Tennyson

: “Break, Break, Break”

Unit – IV

W. B. Yeats

: “Sailing to Byzantium”

Philip Larkin

: “Ambulances”

Unit – V


T. S. Eliot


: “Marina”

Ted Hughes

: “Hawk Roosting”

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

CORE COURSE VI

ONE-ACT PLAYS

Objectives:

- To help learners understand the salient features of one-act plays
- To make learners comprehend and appreciate various cultures and varieties of presentation in the representative texts
- To expose learners to the sociological and psychological dimensions of characterization

Unit – I (British)

J. M. Synge : “Riders to the Sea”

Unit – II (Russian)

Anton Chekov : “The Swan Song”

Unit– III (American)




Tennessee Williams : “Lord Byron’s Love Letter”

Unit – IV (Indian)

Asif Currimbhoy : “The Refugee”

Unit – V (African)

Eisa Kironde : “The Trick”

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

AIILED COURSE III

HISTORY OF ENGLISH LITERATURE I

Objectives:

To help learners aware of the literary history of the texts from the Age of Chaucer to Dryden

To make learners understand the rise and fall of literary movements and their relationships to socio-political and socio-religious events

Unit- I

Chapters II & III : The Age of Chaucer

Unit- II

Chapters IV & V : Development of Drama

Unit – III




Chapters VI, VII & VIII : The Age of Shakespeare

Unit – IV

Chapters IX & X : The Age of Milton

Unit – V

Chapters XI & XII : The Age of Dryden

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

NON MAJOR ELECTIVE I

PRESENTATION SKILLS

Prescribed Book: Presentation Skills for the Upwardly Mobile by ROZ Townsend, Emerald Publishers, Chennai

Internal: 25 marks

10 marks for Reading Skills

10 marks for Speaking

5 marks for Presentation

NON MAJOR ELECTIVE COURSE

ADVERTISEMENT MANAGEMENT

Objective : To make the students to understand the Objectives and Functions of Advertisement.

Module I : Introductory Aspects of Advertisement

Meaning of Advertising – Purpose and Functions –Objectives and Role.

Module II : Creativity and its Role

Creativity – Meaning and Sources – Development of Creative Strategy – Government Regulation- Restrictions.

Module III : Advertising Strategy & Planning

Advertising Strategy & Planning and Organization – Contribution of Advertising – Strategy - Level of decision making- Factors influencing organizational features.

Module IV : Advertising Budget and Research

Advertising Budget – Advertisement as Investment –Advertisement Budget Making process.




Module V : Future Trend in Advertisement

Role of Advertising Agents – Competition among Agencies - Ethics and Morale of Advertisement.

References:

1. Patel, J.S.K.(1988),Salesmanship & Publicity, Sultan Chand & Sons, NewDelhi.
2. Sontakki ,C.N.(1989),Advertising , Kalyani Publishers ,Ludhiana.
3. Bastia, G.R.&Sharma,N.R.(1996),Effecting Advertising Marketing and Sales Manage men, Mangal Deep Publication, Jaipur.
4. Kumar,K.J.,Sethia,K.C.,SubramanianG.V.andSuchank(1999),Advertising Theory and Practice, Himalaya Publishing House, Mumbai.
5. Mathur , U.G. (2002), Advertising Management, New Age International Publishers, New Delhi.
6. Kapoor ,(2004),Marketing and Sales Management , Sultan Chand & Company Ltd, New Delhi.
7. Sangeetha Sharma Reghuvir Singh(2004), Advertising Planning and Implementation, PHI- Learning Pvt Ltd, New Delhi.

8. Jain.J.N&Singh, p.p.(2007), Modern Advertising Management – Principles and Techniques, Regal Publications, New Delhi.
9. Gupta, S.L., Ratna, V.V.(2011) Advertising and Sales Promotion Management- An Indian Perspective Text and Cases, Sultan Chand & Sons, New Delhi.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Semester IV

Short Stories for Effective Communication

Unit – I

Rabindranath Tagore	: <i>The Auspicious Vision</i>
Bhabani Bhattacharya	: <i>Glory at Twilight</i>

Unit –II

Oscar Wilde	: <i>The Nightingale and the Rose</i>
John Galsworthy	: <i>Acme</i>

Unit – III

Isaac Bashevis Singer	: <i>The Son from America</i>
Ray Bradbury	: <i>The Pedestrian</i>

Unit – IV




Anton Chekhov	: <i>A Nincompoop</i>
Guy de Maupassant	: <i>The Diamond Necklace</i>

Unit –V

Katherine Mansfield	: <i>Sun and Moon</i>
Saki	: <i>Fur</i>

Textbook:

Syamala, V, ed. *Story Time*. Chennai: Anu Chithra Publications, 1988.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE VII

DRAMA

Objectives:

To introduce learners to the emergence of English Drama from the Elizabethans to the 20th century

To make learners understand the features of tragedy, comedy of humours, anti-sentimental comedy, drama of ideas and absurd play

Unit – I

Christopher Marlowe

: *Dr. Faustus*

Unit – II

Ben Jonson

: *The Alchemist*

Unit – III

Oliver Goldsmith

: *She Stoops to Conquer*

Unit– IV




G. B Shaw

: *Pygmalion*

Unit – V

Samuel Beckett

: *Waiting for Godot*

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE VIII

INTRODUCTION TO LANGUAGE AND LINGUISTICS

Objectives:

- To introduce learners to the history of English language and concepts in phonetics and linguistics
- To make learners aware of the form and content of language
- To enable learners to know the scientific systems of the language

Unit – I

The Origins and the Development of Language

Unit – II

The Organs of Speech – Classification of Speech Sounds

Unit – III



Phonology – Morphology

Unit – IV

Syntax – Semantics

Unit – V

Language, Society and Culture

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

AIILED COURSE IV
HISTORY OF ENGLISH LITERATURE II

Objectives:

To expose learners to the historical background of the literary texts from the Age of Pope to the Present Age

To make learners understand the rise and fall of literary movements and their relationships to socio-political and socio-religious events

Unit – I

Chapters XIII & XIV : The Age of Pope

Unit – II

Chapters XV to XVII : The Age of Johnson

Unit – III




Chapters XVIII to XXI : The Age of Wordsworth

Unit – IV

Chapters XXII to XXIV : The Age of Tennyson

Unit – V

Chapters XXV & XXVI : The Age of Hardy and the Present Age

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

NON MAJOR ELECTIVE II

FUNCTIONAL SKILLS

Prescribed books:

1. Functional Grammar, Spoken and Written Communication in English by Bikram K.Das
2. Functional English by Dr.B.Shyamala Rao

NON MAJOR ELECTIVE COURSE II

ECONOMICS OF TRANSPORTATION

Objective : To make the students understand the modes of Transport.

Module I : Meaning and Classification of Transport

Meaning and Classification of Transport - Land –Water- Air and other modes of transports - Economic, Political, Social, Cultural Significances and drawbacks.

Module II : Railways

Railways – Features- Monopoly- Public Utility-Large Scale Operation- Railway Development in Five Year Plans-Route Length –Goods Traffic–Productivity– Railway Finance- Administration- Railway Research – Training of Staff- Consultancy- Rates and Fares- Administrative Control – Problems of railways

Module III : Road Transport

Road Transport- Roads – Vehicles – Significance- Characteristics- Competition – Monopoly – Nationalisation- Road Development during Plans- Road Finance – Regulation – Taxation – Current problems of motor transport.

Module IV : Water Transport




Water Transport- Advantages- Limitations- Problems and Prospects – Features of Shipping policy- Competition- Ports and Harbors- Current Problems- Inland water transport.

Module V : Air Transportation

Air Transportation - Nature and Significance- Revenue and Expenditure- Rates and Fares - Competition and Monopoly-State Regulation – Recent developments

Reference:

1. Sankaran,S.(2010),IndianEconomy,MarghamPublications, Chennai.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

OFFICE MANAGEMENT

Skill Based Elective I (Semester IV)

INTRODUCTION TO OFFICE MANAGEMENT

UNIT I

Office management – Meaning – Elements of office management – Functions of office management.

UNIT II

Office organization – Definition, Characteristics and Steps – Types of Organization – Functions of an Office administrator

UNIT III

Office record management – Importance – Filing essentials – Classification and arrangement of files – Modern methods of filing – Modern filing devices

UNIT IV




Office Communication – Correspondence and Report writing – Meaning of office communication & mailing

UNIT V

Form letters – Meaning, Principles, and Factors to be considered in designing office forms – Types of report writing

TEXT BOOKS RECOMMENDED:

1. Fundamentals of office management – by J.P.Mahajan,
2. Office Management by S.P.Arrora
3. Office Management – R.S.N.Pillai & Bagavathi- S.Chand.

Women studies, Gender equality, Gender Gap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE IX

SHAKESPEARE

Objectives:

- To introduce learners to the dramatic and theatrical conventions of Shakespeare
- To make learners understand the characterization, dramatic and poetic techniques in Shakespearean plays
- To enhance learners' appreciation and enjoyment of select plays of Shakespeare

Unit – I

A Midsummer Night's Dream

Unit – II

Julius Ceasar

Unit– III

King Lear

Unit – IV

Twelfth Night

Unit – V

Shakespearean Theatre and Audience




Shakespearean Fools and Clowns

Shakespearean Women

Supernatural Elements in Shakespearean Plays

Shakespearean Soliloquies

Shakespeare as a Sonneteer and a Narrative Poet

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE X

PRINCIPLES OF LITERARY CRITICISM

Objectives:

To acquaint learners with the knowledge of history of literary criticism, its various trends and schools

To help learners apply literary theory to texts in order to enrich their understanding and appreciation of literature

To make learners understand Wilbur Scott's five approaches to literature

Unit – I

Literary Theory – Literary History – Literary Criticism

Unit – II

Classical Criticism:

Plato – Aristotle – Horace – Quintilian – Longinus

Unit – III

Orientation of Critical Theories:

Mimetic Theories – Pragmatic Theories – Sidney – Dryden – Dr. Johnson – Coleridge – Arnold – T. S. Eliot

Unit – IV

Five Approaches:

Moralistic Approach

Psychological Approach


Unit – V


Archetypal Approach

Sociological Approach

Formalistic Approach

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

CORE COURSE XI
AMERICAN LITERATURE

Objectives:

To introduce learners to important aspects in various genres of American literature
To help learners get acquainted with the richness of American literature through representative works of poets, essayists and novelists

Unit – I: Poetry

Walt Whitman : “I Hear America Singing”
Emily Dickinson : “A Bird Came Down the Walk”

Unit – II: Poetry

Robert Frost : “Mending Wall”
Sylvia Plath : “Lady Lazarus”

Unit – III: Prose




Martin Luther King : “I Have a Dream”
Ralph Waldo Emerson : “The American Scholar”

Unit– IV: Drama

Arthur Miller : *Death of a Salesman*

Unit– V: Fiction

Nathaniel Hawthorne : *The Scarlet Letter*

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE XII

INDIAN CULTURE AND LITERATURE

Objectives:

- To make learners understand the rich literary heritage of India
- To appreciate the underlying unity among the diverse languages and literatures of India
- To recognize the important contribution of India to world literature

Unit – I: Poetry

- Kalidasa : “Look to This Day”
- K.J. Saunders : “Karma” (Selection from *Buddhist Verse*)

Unit – II: Poetry

- Dr.T. N. Ramachandran : “Tiruyirattaimanimaalai” (Selection from Translation on *Kaaraikkaal Ammaiyaar*)
- Prof.K. G. Seshadri : “Fear We Not” (Selection from Translation on *Bharathi*)

Unit – III: Prose




- S. Radhakrishnan : “Character Is Destiny”
- M.K. Gandhi : “Faith on Its Trial”

Unit – IV: Drama

- T.P. Kailasam : “The Burden”
- D.G. Mukerji : “The Judgment of Indra”

Unit – V: Fiction

- Indira Goswami : “The Journey”
- Bama : *Karukku*

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Major Based Elective I

TRANSLATION: THEORY AND PRACTICE

Objectives:

To familiarize learners with the history and theory of translation
To introduce learners to the techniques involved in translation

To make learners translate prose passages from English to Tamil and vice versa

Unit – I

Translation – Definition, Types, Principles – Decoding and Recoding – Problems of Equivalence – Untranslatability

Unit – II

History of Translation Theory – Period Study – The Romans – Bible Translation – Early Theorists – The Renaissance – 17th Century and 18th Century – Romanticism – Victorians – 20th Century

Unit – III




Problems of Literary Translation – Structures – Translating Poetry – Translating Prose – Translating Dramatic Texts

Unit – IV

Two chapters from G.U Pope's Translation of *Tirukkural*: "The Utterance of Pleasant Words"
"Not Doing Evil"

Unit – V

Translation Practice: Translating Proverbs and Prose from English to Tamil and vice versa

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Skill Based Elective II (Semester V)

OFFICE MANAGEMENT

TOOLS

UNIT I Computer Fundamentals

Computer and Operating system Fundamentals – Components of a computer system –Input and Output devices – Memory Handling –Storage Devices

UNIT II MS -Word

Introduction to MS-Word and User Utilities – Exploring Template and Formation of Documents – Table handling –Mail Merge and Print Process

UNIT III MS – Excel

Spreadsheet –workbook window –Formatting Cells / Worksheet – Working with Formula, Function and Charts – Filtering data and Printing a Presentation

UNIT IV MS – Power Point

Introduction to MS –Power Point –Creating Templates – Font and color editing – Adding – Multimedia effects – Consolidating using MS-Power Point



UNIT V Officer Appliances

Accounting machine – Addressing machine – Envelope Sealing machine –Franking machine & other modern office gadgets

TEXT BOOKS RECOMMENDED:

1. Computer Application in Business –Dr.S.V.Srinivasa Vallabhan, Sultan Chand and Sons, New Delhi
2. MS-Office and Internet by Alexis Leon
3. Computer Application in Business – K.Mohan Kumar, Vijay Nicole imprints Private Limited Dr.S.Rajkumar –Chennai
4. Computer Basics – V.Rajaraman – PHI.
5. Office Management – R.S.N.Pillai & Bagavathi – S.Chand



Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Skill Based Elective III (Semester V)
COMMUNICATION AND INTERPERSONAL SKILLS

UNIT I Basic Communication

Communication – Meaning and Definition – Medium of Communication –Barriers to Communication

UNIT II Listening

Needs and Advantages of Listening – Active – Elements of active listening withreading - coherence of listening with reading and Speaking

UNIT III Speaking

Features of effective speech – Role play-Conversation building –Topic presentation – Group Discussions

UNIT IV Reading

Comprehensive of Technical and Non- Technical Material – Skimming Scanning – inferring Guessing

UNIT V Writing

Writing Effective Sentences – Cohesive writing – Clarity and Conciseness inwriting – Resumes and job applications

TEXT BOOKS RECOMMENDED:

1. Basic Communication Skills by p.Kiranmani Dutt and Geetha Rajeevan
2. Business Scenarios by Heidi Schuttz Ph.D
3. Business Communication –Asha Kaul – PHI.
4. Business Communication – Sathya Swaroop Debasish & Bhagaban Das –PHI
5. Business Communication – NS Raghunathan & Santhanam – Marghum.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■

Employability skills, Value education, EVS – Sky blue color ■

BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 24. UNDER GRADUATE DEGREE PROGRAMMES

SOFT SKILLS DEVELOPMENT

Learning Objective

Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

Unit I Know Thyself/ Understanding Self Introduction to Soft skills-Self discovery-Developing positive attitude-Improving perceptions-Forming values

Unit II Interpersonal Skills/ Understanding Others Developing interpersonal relationship-Team building-group dynamics-Net workingImproved work relationship

Unit III Communication Skills / Communication with others Art of listening-Art of reading-Art of speaking-Art of writing-Art of writing e-mails-e mail etiquette

Unit IV Corporate Skills / Working with Others Developing body language-Practising etiquette and mannerism-Time managementStress management

Unit V Selling Self / Job Hunting Writing resume/cv-interview skills-Group discussion- Mock interview-Mock GD – Goal setting - Career planning

TEXT BOOKS:

Meena.K and V.Ayothi (2013) A Book on Development of Soft Skills (Soft Skills : A Road Map to Success), P.R. Publishers & Distributors, No, B-20 & 21, V.M.M. Complex, Chatiram Bus Stand, Tiruchirappalli- 620 002. (Phone No: 0431-2702824: Mobile No: 94433 70597, 98430 74472)

Alex K. (2012) Soft Skills – Know Yourself & Know the World, S.Chand & Company LTD, Ram Nagar, New Delhi- 110 055. Mobile No : 94425 14814 (Dr.K.Alex)

REFERENCE BOOKS:

(i)

Developing the leader within you John c Maxwell

(ii)

Good to Great by Jim Collins


(iii)


The seven habits of highly effective people Stephen Covey

(iv)

Emotional Intelligence Daniel Goleman

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

CORE COURSE XIII
INDIAN WRITING IN ENGLISH

Objectives:

To make learners aware of the history and the growth of Indian Writing in English
To introduce learners to the rich literary tradition in Indian Writing in English
To enable learners to appreciate the changing trends in Indian literature in English
from pre to post-Independence era

Unit– I: Poetry

Henry Derozio : “The Harp of India”
Sarojini Naidu : “Love and Death”

Unit– II: Poetry

Nissim Ezekiel : “Poet, Lover, Birdwatcher”
A. K. Ramanujan : “Of Mothers, Among Other Things”

Unit – III: Prose




M. K. Gandhi : “Playing the English Gentleman” (Chapter 15 from *The Story of My Experiments with Truth*)
A. P. J. Abdul Kalam : “The Power of Prayer”

Unit– IV: Drama

Girish Karnad : *Nagamandala*

Unit– V: Fiction

Mulk Raj Anand : *Coolie*

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE XIV
COMMONWEALTH LITERATURE

Objectives:

To introduce learners to the literatures of a few commonwealth countries
To enable learners to understand and appreciate various cultures, traditions and mores

Unit – I: Poetry

Sir Charles G.D Roberts

: “The Solitary Woodsman”

Razia Khan

: “My Daughter’s Boyfriend”

Unit – II: Poetry

Allen Curnow

: “House and Land”

E.J Pratt

: “The Dying Eagle”

Unit – III: Prose

Margaret Atwood

: “Nature as a Monster” from Chapter 2 of *Survival: A Thematic Guide to Canadian Literature*

Unit – IV: Drama




Wole Soyinka

: *The Road*

Unit – V: Fiction

Chinua Achebe

: *Things Fall Apart*

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

CORE COURSE XV
ENGLISH LANGUAGE TEACHING

Objectives:

To expose learners to various approaches and methods, aspects and strategies of teaching English

To help learners understand the essential components and concepts of language teaching

Unit – I

Place of English in India – Issues Involved in the Teaching of English – English as Foreign Language, Second Language, and English for Specific Purposes

Unit – II

Approaches and Methods – Grammar Translation Method – Audio-lingual Method – Communicative Approach – Natural Approach – Content-based Instruction – Task-based Language Teaching

Unit– III

Teaching of Prose, Poetry, Drama, Grammar, Composition – Teaching LSRW Skills

Unit – IV

Testing – Types of Tests – Characteristics of a Good Test – Preparation of Model Exercises and Questions

Unit – V

Use of Audio-Visual Aids – Television and Language Lab in Teaching English

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Major-Based Elective II

JOURNALISM

Objectives:

- To initiate learners into the history of journalism
- To expose learners to various aspects of journalism

Unit – I

Definition of Journalism – Role of Journalism – Ethics – Press Laws – Press Council

Unit–II

News – Definition – Kinds – Elements – Source – News Agencies

Unit– III




Reporting – Qualities of Reporters – Beats – Kinds of Reporting with Special Reference to Court, Crime, Election, Sport – Investigative Reporting

Unit – IV

Editing – News Editor – Sub Editors – Anatomy of Editing.

Unit – V

Language of Journalism – Writing a News Story – Writing Opinion Pieces – Writing Leads – Headlines.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Major-Based Elective III

ENGLISH FOR COMPETITIVE EXAMINATIONS

Objectives:

- To instil confidence in learners and improve their language skills to face the challenges of a competitive examination
- To equip learners with adequate English language skills to achieve success in competitive examinations

Unit – I

Basics in English Grammar and Usage: Articles, Prepositions, Tenses, Concord, Question Tag

Unit – II

Homophones – Homonyms – Phrases and Idioms – One-word Substitution – Reading Comprehension

Unit – III




Error Correction




Unit – IV

Letter Writing – Formal and Informal – Note-making

Unit – V

Expansion of Proverbs – Writing Essays

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Bharathidasan University, Tiruchirappalli – 24 Gender Studies

Objectives

- ❖ To make boys and girls aware of each others strengths and Weakness.
- ❖ To develop sensitivity towards both genders in order to lead an ethically enriched life.
- ❖ To promote attitudinal change towards a gender balanced ambience and women empowerment .

Unit – I

Concepts of Gender: Sex – Gender – Biological Determinism – Patriarchy – Feminism – Gender Discrimination – Gender Division of labour – Gender Stereotyping – Gender Sensitivity – Gender Equity – Equality – Gender Mainstreaming - Empowerment.

Unit – II

Women’s Studies vs Gender Studies : UGC’s Guidelines – VII to XI Plans – Gender Studies : Beijing Conference and CEDAW – Exclusiveness and Inclusiveness.

Unit – III




Areas of Gender Discrimination : Family – Sex Ratio – Literacy – Health – Governance – Religion Work Vs Employment – Market – Media – Politics – Law – Domestic Violence – Sexual Harassment – State Policies and Planning .

Unit – IV

Women Development and Gender Empowerment : Initiatives – International Women’s Decade – International Women’s Year – National Policy for Empowerment of Women – Women Empowerment Year 2001 – Mainstreaming Global Policies .

Unit – V

Women’s Movements and Safeguarding Mechanism : In India National /State Commission for Women(NCW) – All Women Police Station – Family Court – Domestic Violence Act – Prevention of Sexual Harassment at Work Place Supreme Court Guidelines – Maternity Benefit Act – PNDT Act – Hindu Succession Act 2005 – Eve Teasing Prevention Act – Self Help Groups – 73rd and 74th Amendment for PRIS

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BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI – 620 024

M.A. English Syllabus under CBCS

(Applicable to the candidates admitted from the academic year 2018-2019 onwards)

updated on 21-12-2017

Semester	Course	Course Title	Ins. Hrs / Week	Credit	Exam Hrs	Marks		Total
						Int	Ext.	
I	Core Course – I (CC)	Language and Linguistics	6	4	3	25	75	100
	Core Course – II (CC)	Modern Literature – I (1400 – 1660)	6	4	3	25	75	100
	Core Course – III (CC)	Modern Literature – II (1660 – 1798)	6	4	3	25	75	100
	Core Course – IV (CC)	Indian Writing in English	6	4	3	25	75	100
	Elective Course–I (EC)	Grammar, Rhetoric and Writing	6	4	3	25	75	100
		Total		30	20			
II	Core Course – V (CC)	Modern Literature – III (1798 – 1832)	6	5	3	25	75	100
	Core Course – VI (CC)	Modern Literature – IV (1832 – 1945)	6	5	3	25	75	100
	Core Course – VII(CC)	Shakespeare	6	5	3	25	75	100
	Core Course – VIII(CC)	Literary Criticism	6	5	3	25	75	100
	Elective Course – II (EC)	Communicative Studies and Mass Media	6	4	3	25	75	100
		Total		30	24			
III	Core Course - IX (CC)	American Literature	6	5	3	25	75	100
	Core Course – X (CC)	Theory of Comparative Literature and Classics in Translation	6	5	3	25	75	100
	Core Course – XI (CC)	Literary Theory	6	5	3	25	75	100
	Core Course – XII (CC)	Research Methodology	6	5	3	25	75	100
	Elective Course – III (EC)	Asian Literature in English	6	4	3	25	75	100
		Total		30	24			
IV	Core Course - XIII CC)	New Literatures in English	6	5	3	25	75	100
	Core Course – XIV CC)	Translation: Theory and Practice	6	5	3	25	75	100
	Elective Course IV	Single-Author Study – Rabindranath Tagore	6	4	3	25	75	100
	Elective Course V	* English Literature for UGC Examinations	6	4	3	25	75	100
	Project Work Viva voce 20 marks Dissertation 80 marks		6	4	--	--	--	100
	Total		30	22	--	--	--	500
	Grand Total		120	90				2000

* Separate Question Paper Pattern for English Literature for UGC Examinations - Refer in syllabus

Core Papers	-	14
Elective Papers	-	5
Project	-	1

Note:

1. Theory: Internal - 25 marks External - 75 marks
2. Project : 100 marks
 - a) Dissertation : 80 marks
 - b) Viva voce : 20 marks
3. Separate passing minimum is prescribed for Internal and External
 - a) The passing minimum for CIA shall be 40% of 25 marks (i.e. 10 marks)
 - b) The passing minimum for University Examinations shall be 40% of 75 marks (i.e. 30 marks)
 - c) The passing minimum is 50 % in the aggregate

Core Course – I

Language and Linguistics

Objectives:

- To provide learners an insight into the nature of language
- To familiarise learners with the discourse of linguistics and to expose them to theoretical and practical manifestations of linguistics
- To enable learners to understand the nexus between literature and society

Unit-I: Language History and the Process of Language Change

The Origins of Language
Development of Gesture, Sign, Words, Sounds, Speech and Writing
Core Features of Human Language, Animals and Human Language

Unit-II: Nature of Language

Pure Vowels, Diphthongs and Consonants
Language Varieties: Dialects, Idiolect, Pidgin and Creole
Language and Gender, Language and Disadvantage

Unit-III: Linguistic Form

Morphology, Grammar, Syntax
Saussurean Dichotomies: Synchronic and Diachronic Linguistics
Semantics, Pragmatics

Unit-IV: Branches of Linguistics

Structural Linguistics, Sociolinguistics, Psycholinguistics, Neurolinguistics, Applied Linguistics

Unit-V: Applied Linguistics

Stylistics and Discourse Analysis: Relationship between Language and Literature, Style and Function, Poetic Discourse, Narrative Discourse and Dramatic Discourse
Language Disorders: The Brain and Language Organisation, Aphasia, Dyslexia, Dysgraphia, Clinical Syndromes
Lexicography: Monolingual Dictionary, Interlingual Dictionary, Structure and Equivalences, Problems of Intertranslatability, General and Special Purpose Dictionaries

Books for Reference:

- Aitchison, J. *Linguistics: An Introduction*. London: Hodder & Stoughton, 1995.
Atkinson, M., Kilby, D. & Rocca, I. *Foundations of General Linguistics*. London: George Allen & Unwin, 1982.
Radford, A. et al. *Linguistics: An Introduction*. UK: Cambridge University Press, 1999.
Wardhaugh, R. *An Introduction to Sociolinguistics*. Massachusetts: Blackwell, 1986.
Yule, G. *The Study of Language*. 4th edn. Cambridge: CUP, 2014.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Core Course – II
Modern Literature - I (1400 - 1660)

Objectives:

- To introduce learners to the evolution of English poetry – Chaucer’s period
- To expose learners to the salient features of metaphysical poetry
- To introduce learners to the origin of English essays
- To make learners understand the features of tragedy, romantic tragedy, revenge play and comedy of humours of Shakespeare’s predecessors

Unit – I (Poetry)

Geoffrey Chaucer	: “A Scholar from Oxford” from <i>The Prologue to the Canterbury Tales</i>
Edmund Spenser	: “Epithalamion”

Unit – II (Poetry)

John Donne	: “The Flea”
Andrew Marvell	: “To His Coy Mistress”
George Herbert	: “The Pulley”
Henry Vaughan	: “The Retreat”

Unit – III (Prose)

Francis Bacon	: “Of Truth,” “Of Death,” “Of Adversity”
The Bible	: Chapters 5 to 7 from the Gospel according to Matthew

Unit – IV (Drama)

Christopher Marlowe	: <i>The Jew of Malta</i>
John Webster	: <i>The White Devil</i>

Unit – V (Drama)

Thomas Kyd	: <i>The Spanish Tragedy</i>
Ben Jonson	: <i>Every Man in His Humour</i>

Books for Reference:

- Bacon, Francis, and F G. Selby. *Bacon's Essays, Ed. with Introductions and Notes*. London: Macmillan, 1927.
- Barton, Anne. *Ben Jonson, Dramatist*. Cambridge: Cambridge UP, 1984.
- Bennett, Joan. *Five Metaphysical Poets: Donne, Herbert, Vaughan, Crashaw, Marvell*. Cambridge England: UP, 1964.
- Daiches, David. *A Critical History of English Literature*. London: Secker & Warburg, 1960.
- Donne, John, and Frank Kermode. *The Poems of John Donne*. New York: Heritage Press, 1970.
- Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
- Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
- Employability skills, Value education, EVS – Sky blue color ■

Core Course – III
Modern Literature - II (1660 - 1798)

Objectives:

- To expose learners to the changing trends in English poetry from Milton to Pre-Romantics
- To make learners understand the prose allegory of the Restoration period and varied prose works of the Age of Pope
- To make learners know the salient features of anti-sentimental comedy and Restoration comedy
- To introduce learners to the emergence of the English novel during the Age of Transition

Unit – I (Poetry)

John Milton : *Paradise Lost* Book I

Unit – II (Poetry)

John Dryden : “Mac Flecknoe”

Alexander Pope : “The Rape of the Lock”

Robert Burns : “The Cotter’s Saturday Night”

William Blake : “The Poison Tree”

Unit – III (Prose)

John Bunyan : *The Pilgrims Progress*

Addison and Steele : From *The Spectator*

“Of the Club” (Steele)

“Sir Roger at Church”(Addison)

Jonathan Swift : *Battle of the Books*

Unit – IV (Drama)

Richard Brinsley Sheridan : *The School for Scandal*

William Congreve : *The Way of the World*

Unit – V (Fiction)

Daniel Defoe : *Robinson Crusoe*

Oliver Goldsmith : *The Vicar of Wakefield*

Books for Reference:

- Danielson, Dennis R. *The Cambridge Companion to Milton*. Cambridge: Cambridge UP, 1989.
- Ford, Boris. *The New Pelican Guide to English Literature: - - a Guide for Readers*. - 1984. - 544 S. Harmondsworth: Penguin Books, 1983.
- Humphreys, A R. *The Augustan World: Society, Thought, and Letters in Eighteenth-Century England*. New York: Harper & Row, 1963.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Core Course – IV
Indian Writing in English

Objectives:

To enable learners to appreciate the changing trends, from Romantic to realistic, in Indian literature in English from pre to post-Independence era

To make learners aware of Indian sensibility in the representative works

Unit – I (Poetry)

Toru Dutt : “Our Casuarina Tree”

Kamala Das : “A Hot Noon in Malabar”

Nissim Ezekiel : “The Professor”

A. K. Ramanujan : “Obituary”

Keki. N. Daruwalla : “The Epileptic”

R. Parthasarathy : “River, Once”

Unit – II (Prose)

Jawaharlal Nehru : “Through the Ages” (Chapter V of the *Discovery of India*)

Dr. S. Radhakrishnan : “The World Community”

Unit – III (Drama)

Girish Karnad : *The Fire and the Rain*

Mahesh Dattani : *Tara*

Unit – IV (Fiction)

Mulk Raj Anand : *Two Leaves and a Bud*

Raja Rao : *The Cat and Shakespeare: A Tale of India*

R.K. Narayan : *The Guide*

Unit – V (Fiction)

Kamala Markandaya : *Nectar in a Sieve*

Anita Desai : *Cry, the Peacock*

Shashi Deshpande : *That Long Silence*

Books for Reference:


King, Bruce. *Modern Indian Poetry in English*. Delhi: Oxford UP, 1987.


King, Bruce. *Three Indian Poets: Nissim Ezekiel, A. K. Ramanujan, Dom Moraes*. Madras: Oxford UP, 1991.

McLeod, A L, and R K. Narayan. *R.K. Narayan: Critical Perspectives*. New Delhi: Sterling Publishers Private Ltd, 1994.

Mehrotra, Arvind K., ed. *An Illustrated History of Indian Literature in English*. New Delhi: Permanent Black, 2003.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

Elective Course – I

Grammar, Rhetoric and Writing

Objectives:

- To enable learners to understand the basics of grammar
- To provide learners with the basics of rhetoric
- To help learners write effective paragraphs and essays
- To expose learners to various forms of discourse

Unit – I

Phrases – Clauses – Kinds of Sentences – Patterns of Sentences – Transformation of Sentences – Vocabulary – Punctuation

Unit – II

Definition of Rhetoric – Three Elements of Rhetoric: Presentative, Representative and Elaborative – Rhetorical Situation: Grammar, Logic, Aesthetics and Ethics – 5 Canons of Rhetoric: Inventive, Arrangement, Style, Memory and Delivery – Art of Discourse

Unit – III

Topic Sentence, Paragraph Unity: Coherence and Flow, Methods of Developing Paragraphs, Discourse Markers

Unit – IV

Structure of an Essay: Beginning, Middle and Closing, Tight and Loose Organization

Unit – V

Four Kinds of Discourse: Exposition, Argumentation, Description, Narration

Books for Reference:

- Boulton, Marjorie. *The Anatomy of Prose*. London: Routledge & Paul, 1954.
- Miriam, Joseph, and Marguerite McGlinn. *The Trivium: The Liberal Arts of Logic, Grammar, and Rhetoric: Understanding the Nature and Function of Language*. N.p., 2002.
- Weston, Anthony. *A Rulebook for Arguments*. Indianapolis: Hackett Pub, 2009.
- Yáñez-Bouza, Nuria. *Grammar, Rhetoric and Usage in English: Preposition Placement, 1500-1900*. Cambridge: Cambridge UP, 2015.

Women studies, Gender equality, Gender Gap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Core Course – V

Modern Literature - III (1798 – 1832)

Objectives:

- To familiarize learners with the characteristics of Romantic poetry
- To acquaint learners with the unique qualities of the essays of Lamb and Hazlitt
- To make learners aware of the characteristics of Scott's and Jane Austen's novels

Unit – I (Poetry)

William Wordsworth	: “Lines Composed a Few Miles above Tintern Abbey”
S.T. Coleridge	: “Kubla Khan”
Walter Scott	: “The Lady of the Lake”

Unit – II (Poetry)

John Keats	: “Ode on a Grecian Urn”
P. B. Shelley	: “The Cloud”
Lord Byron	: “Youth and Age”

Unit – III (Prose)

Charles Lamb	: “A Dissertation upon a Roast Pig”
William Hazlitt	: “On Reading Old Books”

Unit – IV (Drama)

P. B. Shelley	: <i>Prometheus Unbound</i>
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Unit –V (Fiction)

Jane Austen	: <i>Emma</i>
Walter Scott	: <i>Ivanhoe</i>

Books for Reference:

- Abrams, M H. *English Romantic Poets. Modern Essays in Criticism*. London: Oxford UP, 1967.
- Bowra, C M. *The Romantic Imagination*. Cambridge: Harvard UP, 1949.
- Butler, Marilyn. *Romantics, Rebels, and Reactionaries: English Literature and Its Background, 1760-1830*. New York: Oxford UP, 1982.
- Kettle, Arnold. *An Introduction to the English Novel: Vol. II*. London etc.: Hutchinson's U Library, 1953.
- King-Hele, Desmond. *Shelley: His Thought and Work*. Teaneck N.J.: Fairleigh Dickinson UP, 1971.
- Kirkham, Margaret. *Jane Austen, Feminism and Fiction*. London: Athlone Press, 1997.

- Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
- Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
- Employability skills, Value education, EVS – Sky blue color ■

Core Course –VII

Modern Literature – IV (1832 - 1945)

Objectives:

- To enable learners to understand the spirit of Victorian England and its influence on poetry
- To help learners appreciate the revolution brought about through Aesthetic Movement and anti-Victorian Movement in poetry, drama and novel during the Age of Hardy
- To expose learners to various aspects of the works of T.S. Eliot

Unit – I (Poetry)

Matthew Arnold	: “The Scholar Gypsy”
Robert Browning	: “Fra Lippo Lippi”
Alfred Tennyson	: “Tithonus”

Unit – II (Poetry)

W. B. Yeats	: “The Second Coming”
G. M. Hopkins	: “The Pied Beauty”
T. S. Eliot	: Section V “What the Thunder Said?” from <i>The Wasteland</i>
W. H. Auden	: “The Shield of Achilles”
Wilfred Owen	: “The Strange Meeting”

Unit – III (Prose)

Thomas Carlyle	: “Hero as a Man of Letters”
John Ruskin	: “Of Queens’ Gardens”
E. M. Forster	: “Notes on the English Character”

Unit – IV (Drama)



T. S. Eliot	: <i>Murder in the Cathedral</i>
G. B. Shaw	: <i>The Apple Cart</i>
Harold Pinter	: <i>The Birthday Party</i>

Unit – V (Fiction)


Charles Dickens	: <i>Great Expectations</i>
Thomas Hardy	: <i>Far from the Madding Crowd</i>
D.H. Lawrence	: <i>The Rainbow</i>

Books for Reference:

- Batho, Edith C, Bonamy Dobrée, and Guy Chapman. *The Victorians and After, 1830-1914*. London: Cresset, 1962.
- Cecil, David. *Early Victorian Novelists: Essays in Revaluation*. London: Constable & Co., Ltd, 1934.
- Colin Clarke. ed. *D.H. Lawrence: The Rainbow and Women in Love*. London: Macmillan, 1979.
- Gassner, John. *An Anthology. Introduction to the Drama*. New York: Holt, Rinehart and Winston, 1963.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Core Course –VII

Employability skills, Value education, EVS – Sky blue color 

Core Course –VII Shakespeare

Objectives:

- To expose learners to the development of linguistic, social, psychological and existential skills through a few representative plays of Shakespeare
- To make learners understand the characterization, dramatic and poetic techniques of Shakespeare

Unit – I

Macbeth

Unit – II

As You Like It

Unit – III

Richard II

Unit – IV

The Tempest

Unit – V

Shakespearean Theatre and Audience

Shakespearean Fools and Clowns

Shakespearean Women

Supernatural Elements in Shakespearean Plays

Shakespearean Soliloquies

Shakespeare as a Sonneteer and a Narrative Poet

Books for Reference:

- Bowers, Fredson. *Elizabethan Revenge Tragedy: 1587-1642*. Gloucester: Peter Smith, 1959.
- Bradley, A C. *Shakespearean Tragedy: Lectures on Hamlet, Othello, King Lear, Macbeth*. London: Macmillan and Co, 1905.
- Charlton, H B. *Shakespearean Comedy*. London: Methuen, 1938.
- Ford, Boris. *The Age of Shakespeare*. Harmondsworth: Penguin Books, 1982.
- Knight, G W. *The Imperial Theme: Further Interpretations of Shakespeare's Tragedies, Including the Roman Plays*. London: Methuen, 1951.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Core Course – VIII

Literary Criticism

Objectives:

To help learners develop literary sensibility and critical thinking

To make learners understand a wide range of literary texts, literary history and literary criticism

To introduce learners to a variety of critical approaches to perceive the paradigm shift through the critical texts from Plato to T.S. Eliot

Unit I

Plato	: <i>The Ion</i> (679-681) <i>The Republic</i> (681-685)
Aristotle	: <i>On Poetics</i> (686-696)
Horace	: <i>The Art of Poetry</i> (696-700)
Longinus	: <i>On the Sublime</i> (706-708) (Extracts from <i>The English Critical Tradition</i> Vol.2 by S. Ramaswami and V. S. Sethuraman)

Unit II

Philip Sidney	: <i>Apology for Poetry</i>
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Unit III

John Dryden	: <i>An Essay on Dramatic Poesie</i>
Dr. Johnson	: <i>Preface to Shakespeare</i>

Unit IV

William Wordsworth	: <i>Preface to the Lyrical Ballads</i>
S. T. Coleridge	: <i>Biographia Literaria</i> Chapter XIV

Unit V

Matthew Arnold	: <i>The Study of Poetry</i>
T. S. Eliot	: <i>Tradition and the Individual Talent</i>

Books for Reference:


David Daiches: *Critical Approaches to Literature*, 2nd ed., Hyderabad: Orient Longman, 2001.


Enright, D J, and Chickera E. De. *English Critical Texts: 16th Century to 20th Century*. Delhi: Oxford UP, 1983.

Harry Blamires: *A History of Literary Criticism*, Delhi: Macmillan, 2001.

Humphrey House: *Aristotle's Poetics*, Ludhiana: Kalyani Publishers, 1970.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

Elective Course – II

Communication Studies and Mass Media

Objectives:

- To introduce learners to different types of communication
- To expose learners to the functions of mass media and mass culture and popular culture
- To make learners understand various aspects of mass media

Unit – I

Definition of Communication – Verbal and Non-verbal Communication – Elements of Communication – Models of Communication – Barriers to Communication – 7 Cs of Communication

Unit – II

Differentiation between ‘language’ (generic) and ‘a language’ (individual) – Purposes of Language – Persuading, Questioning, Directing, Providing Aesthetic Pleasure, Informing – Context of Communication – Intrapersonal, Interpersonal, Small group, Organization, Academic, Public, Intercultural

Unit –III

Mass Media – Definition and Classification – Functions – Agenda Setting – Reality Defining and Constructing – Social Control – Distribution of Knowledge – Mass Media Theory – Information Age

Unit – IV


Mass Culture and Popular Culture – Mass Communication and Social Change – Mass Communication and Culture – Morals and Decency


Unit – V


The Rise of Mass Media - Media Diversity and Its Benefits – Types of Mass Media – Print Media – Electronic Media – New Age Media (Mobile, Internet) Media and Its Effects – E-Publishing – Photo Journalism – Blog Writing

Books for Reference:

- Allan and Barbara Pease. *The Definitive Book of Body Language*, New Delhi: Munjal Publishing House, 2005.
- Corner, John, and Jeremy Hawthorn. *Communication Studies: An Introductory Reader*. London: E. Arnold, 1993.
- D.M. Silveira. *Personal Growth Companion*. New Delhi: Classic Publishing, 1996.
- Dan Laughey. *Key Themes in Media Theories*. New Delhi: Rawat Publication, 2008.
- Zeuschner, R. *Communicating Today*, Boston: Allyn and Bacon, (Chs. 5, 17), 2002.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 

Employability skills, Value education, EVS – Sky blue color 

Core Course – IX

American Literature

Objectives:

To introduce learners to significant aspects in various genres of American literature

To help learners get acquainted with the richness of American literature through representative works of poets, essayists, playwrights and novelists

Unit – I (Poetry)

Edgar Allan Poe	: “The Raven”
Walt Whitman	: “When Lilacs Last in the Dooryard Bloom’d”
Emily Dickinson	: “Because I Could Not Stop for Death”
Robert Frost	: “Birches”

Unit – II (Poetry)

Hart Crane	: “Poem: To Brooklyn Bridge”
e. e. cummings	: “The Grasshopper”
Wallace Stevens	: “The Emperor of Ice-Cream”
William Carlos Williams	: “Yachts”
Sylvia Plath	: “Daddy”

Unit – III (Prose)

Ralph Waldo Emerson	: “Self-reliance”
Henry David Thoreau	: “Where I Lived and What I Lived for?” from <i>Walden Pond</i>
John F. Kennedy	: “Inaugural Address” (Presidential Inauguration of John. F. Kennedy on January 20, 1961 at Washington, D.C)

Unit – IV (Drama)

Eugene O’Neill	: <i>Emperor Jones</i>
Arthur Miller	: <i>All My Sons</i>




Unit – V (Fiction)

Mark Twain	: <i>Huckleberry Finn</i>
Ernest Hemingway	: <i>For Whom the Bell Tolls</i>

Books for Reference:

Cunliffe, Marcus. *American Literature to 1900*. New York: P. Bedrick Books, 1987.

Matthiessen, F O. *American Renaissance: Art and Expression in the Age of Emerson and Whitman*.
N.p., 1941.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Core Course – XI
Theory of Comparative Literature and Classics in Translation

Objectives:

- To expose learners to the scope, methodology and application of the theories in comparative literature
- To help learners understand the thematology and genre studies
- To make learners know a few representative classics in translation

Unit – I

Definition and Theory of Comparative Literature – Scope, Methodology, Application – National Literature – Comparative Literature – French and American School

Unit – II

Influence and Imitation – Epoch, Period, Generation – Thematology, Comparing Works on the Basis of Themes – Genres, Comparing Works on the Basis of Form

Unit – III

Literature and Society, Literature and Religion, Literature and Psychology – Comparative Literature in India

Unit – IV

G.U. Pope : Three Chapters from the translation of *Tirukkural*:
“Compassion”
“Veracity”
“Hospitality”

Aeschylus : *Agamemnon*

Goethe : *The Nearness of the Beloved*

Unit – V

Franz Kafka : “Metamorphosis”

Leo Tolstoy : “How much Land Does a Man Require?”

Omar Khayyam : *The Rubaiyat*

Books for Reference:

- Bhatnagar, M K. *Comparative English Literature*. New Delhi: Atlantic Publishers and Distributors, 1999.
- George, K M. *Comparative Indian Literature*. Trichur: Kerala Sahitya Akademi, 1984.
- Pawar S. *Comparative Literary Studies: An Introduction*. Duckworth N.p., 1973.
- Weisstein, Ulrich. *Comparative Literature and Literary Theory: Survey and Introduction*. Bloomington: Indiana UP, 1974.
- Wellek, René, and Austin Warren. *Theory of Literature*. New York: Harcourt, Brace, 1993.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Core Course – XI

Literary Theory

Objectives:

- To introduce learners to literary theory from the beginning of the twentieth century to the present day
- To help learners apply theory in the analysis of literary texts
- To enable learners to understand a wide range of theoretical perspectives to enhance their appreciation of literary texts

Unit- I

New Criticism, Semiotics, Formalism

Unit-II

Structuralism, Poststructuralism, Deconstruction

Unit-III

Modernism, Postmodernism, New Historicism and Cultural Materialism, Magical Realism

Unit-IV




Feminism, Neo – Feminism, Queer Theory, Ecocriticism, Marxism, Neo – Marxism, Colonialism, Postcolonialism

Unit-V

Intertextuality,
Phenomenology, Hermeneutics, Reader-Response Criticism,
Narratology, Discourse Analysis, Stylistics

Books for Reference:

- Abrams M.H, Harphman Geoffrey. *A Handbook of Literary Terms*. New Delhi: Cleanage, 2007.
- Barry, Peter. *Beginning Theory: An Introduction to Literary and Cultural Theory*. Manchester: Manchester UP, 2009.
- Culler, Jonathan. *Literary Theory*. New Delhi: Oxford UP, 2011.
- Said, Edward W. *Orientalism*. London: Vintage Books, 1979.
- Showalter, Elaine. *Towards a Feminist Poetics. Twentieth Century Literary Theory*. Ed. K.M. Newton. London: Macmillan, 1988.
- Habib, M.A.R, *A History of Literary Criticism: From Plato to the Present*, USA: Blackwell Publishing, 2005.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Core Course – XII **Research Methodology**

Objectives:

- To expose learners to philosophy of research
- To enable learners to use different research sources and document them
- To make learners know the format of research and mechanics of writing

Unit I

Definition of Research – Types of Research – Literary and Scientific Research – Philosophy of Research, Preliminary Study, Choosing a Viable Topic, Primary and Secondary Sources

Unit II

The Modern Academic Library, Research Sources: Printed and Electronic Including Web Sources, Digital Library Sources, Identifying the Right Sources, Compiling Working Bibliography. Evaluating the Sources

Unit III

Taking Notes and Collecting Materials
Thesis Statement, Working Outline, Preparing Samples,
Writing Drafts – Revising the Outline and Drafts
The Introduction and the Conclusion – the Main Chapters: Clarity, Unity, Coherence, Emphasis, Interest, Point of view

Unit IV




The Format of the Thesis, Preparing the Final Outline and Final Draft– Organizing Principles and Methods of Development, Plagiarism, Converting the Working Bibliography to List of Works-Cited, Abbreviations, Proof Reading

Unit V

Language and Style of Thesis Writing: General principles – Kinds and Suitability of Style, Style Sheet Conventions, Documentation: Parenthetical Documentation, Foot Notes, End Notes
The Mechanics of Writing: Spelling, Punctuation, Quotations, etc.

Books for Reference:

- Gibaldi, Joseph. *MLA Handbook for Writers of Research Papers*. 7th Edition, 2009.
Moore, Robert H. *Effective Writing*. New York: Holt, Rinehart and Winston, 1965.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Elective Course – III **Asian Literature in English**

Objectives:

- To familiarize learners with Asian writers in English
- To make learners aware of various Asian cultures through representative texts of Asian Literature in English

Unit – I (Poetry)

Bei Dao (Chinese)	: “Moon Festival”
Balkrishna Sama (Nepali)	: “The Song”
Faiz Ahmed Faiz (Pakistani)	: “When Autumn Came”

Unit – II(Prose)

Lafcadio Hearn (Japanese)	: “Mosquitoes”
J. Vijayatunga (Sri Lankan)	: “Village Goes Town”

Unit – III(Drama)

Frank Chin (Chinese)	: <i>The Year of Dragon</i>
Zeami Motokiyo (Japanese)	: <i>Hogoromo [The Feather Mantle]</i>

Unit – IV(Short Story)




Sunethra Rajakarunanayake (Sri Lankan)	: “SMS”
Lu Hsun (Chinese)	: “A Little Incident”
Zawgyi (Myanmar)	: “His Spouse”

Unit – V(Fiction)

Kamila Shamsie (Pakistani)	: <i>Kartography</i>
Kyung-sook Shin (Korean)	: <i>Please Look After Mom</i>

Books for Reference:

- Azim, Firdous, and Niaz Zaman. *Galpa: Short Stories by Women from Bangladesh*. Dhaka: Rachana, Writers.ink, 2006.
- Ganesan.S. *Asian Voices: An Anthology of Asian Writings in English*. Chennai: New Century Book House, 2015.
- Shamsie, Muneeza. *And the World Changed: Contemporary Stories by Pakistani Women*. N.p., 2008.
- Tyler, Royall. Ed. & Trans. *Japanese No Dramas*. London: Penguin Books, 2004.
- Wijesinha, Rajiva. *Bridging Connections: An Anthology of Sri Lankan Short Stories*. New Delhi: National Book Trust, 2007.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color 
Employability skills, Value education, EVS – Sky blue color 

Core Course – XIII **New Literatures in English**

Objectives:

- To make learners familiarize with writers of new literatures
- To enable learners to appreciate various cultures

Unit – I (Poetry)

David Diop	: “Africa”
Wole Soyinka	: “Telephone Conversation”
Judith Wright	: “Fire at Murdering Hut”
A.D. Hope	: “Australia”

Unit – II (Poetry)

Archibald Lampman	: “A January Morning”
F.R. Scott	: “The Canadian Authors Meet”
Margaret Atwood	: “Journey to the Interior”
Leonard Cohen	: “If It Were Spring”

Unit – III (Prose)

Stuart Hall	: “Cultural Identity and Diaspora”
Chinua Achebe	: “Marriage is a Private Affair”

Unit – IV (Drama)

Wole Soyinka	: <i>The Swamp Dwellers</i>
Tomson Highway	: <i>Dry Lips Oughta Move to Kapuskasing</i>

Unit – V (Fiction)

Adele Wiseman	: <i>Crackpot</i>
Margaret Laurence	: <i>Stone Angel</i>

Books for Reference:

- Oyekan Owomoyela. *A History of Twentieth-Century African Literatures*. University of Nebraska Press, 1993.
- Irele, Abiola. F. *The African Imagination: Literature in Africa and the Black Diaspora*. Oxford University Press, 2001.
- David I. Ker. *The African Novel and the Modernist Tradition*. Peter Lang Publishing, 1998.
- Parekh, Pushpa Naidu and Siga Fatima Jagne. *Postcolonial African Writers: A Bio-Bibliographical Critical Sourcebook*. Greenwood Press, 1998.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color ■
Social Values, Papers regarding Society, Papers regarding democracy- Yellow Color ■
Employability skills, Value education, EVS – Sky blue color ■

Core Course – XIV
Translation: Theory and Practice

Objectives:

- To familiarize learners with the history and theories of translation
- To introduce learners to the techniques involved in translation of literary and non-literary texts
- To enhance the employability of the learners as translators

Unit– I

A Brief History of Translation and Translation Theory, Aspects of Translation Theory

Unit– II

Types of Translation Procedure, Communicative and Semantic Translation

Unit– III

Translation Procedures, Translation Process and Synonymy, Translation and the Meta Lingual Function of Translation

Unit– IV


Linguistics and Translation, Theories of Translation, Equivalence in Translation, Problems in Translation – Untranslatability


Unit– V


Translation Practice in Tamil and English – Proverbs and Prose Passages

Books for Reference:

- Bassnett, Susan. *Translation Studies*. London: Methuen, 2002.
- Malmkjær, Kirsten, and Kevin Windle. *The Oxford Handbook of Translation Studies*. Oxford: Oxford UP, 2011.
- Munday, Jeremy. *Translation: An Advanced Resource Book*. Taylor & Francis, 2004.
- Newmark, Peter. *Approaches to Translation*. Oxford: Pergamon Press, 1981.
- Venuti, Lawrence. *The Translation Studies Reader*. New York: Routledge, 2004.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

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Employability skills, Value education, EVS – Sky blue color 

Elective Course – IV
Single-Author Study – Rabindranath Tagore

Objectives:

- To initiate learners into the study of Tagore’s works and his narrative techniques
- To expose learners to the aspects of Indian civilization and culture with reference to Tagore

Unit – I (Poetry)

Gitanjali– Verses II, VIII, IX, XIX, XXXI, XXXV, XXXVI, XLI, XLV, L, LI, LXII, LXXVI, LXXXVI, XC

Unit – II (Prose)

From *The Religion of Man*

“Man’s Universe” (Chapter – I)

“The Creative Spirit” (Chapter – II)

Unit – III (Drama)

Sacrifice

The King and the Queen

Unit – IV (Short Stories)

“Kabuliwala”

“Subha”


“My Lord, The Baby”


Unit – V (Fiction)


Gora

Books for Reference:

- Banerjee, Hiranmay. *How Thou Singest of My Spirit! A Study of Tagore’s Poetry* 1961.
- A.C. Bose. *Three Mystic Poets*. School and College Book Stall, 1945.
- Radhakrishnan, S. *A Centenary Volume Rabindranath Tagore 1861-1961*. New Delhi: Sahitya Akademi, 1992.
- Dhoomketu. *Gitanjali Bhavanuvad*. Ahmedabad: Gurjar, 2007
- Dutta, Krishna and Robinson Andrew.eds. *Rabindranath Tagore: An Anthology*, London: Macmillan Publisher Ltd. 1997.
- Ghosh, Sisir Kumar. *Rabindranath Tagore*. New Delhi: Sahitya Akademi, 2005.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 

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Employability skills, Value education, EVS – Sky blue color 

Elective Course – V
English Literature for UGC Examinations

Objectives:

To help learners have a wide range of knowledge in literature – poetry, prose, drama, short story and novel

To help learners prepare for UGC Eligibility tests for JRF and Assistant Professorship

Unit – I

Chaucer to Shakespeare

Jacobean to Restoration

Unit – II

Romantic Period

Victorian Period

Unit – III

Modern Period

Contemporary Period

Unit – IV

American Literature

New Literatures in English (Indian, Canadian, African, Australian)

English Language Teaching

Translation Studies

Unit – V




Classicism to New Criticism

Contemporary Theory

Books for Reference:

D, Benet E., and Samuel Rufus. *NET. SET..GO... English*. N.p., 2014.

Masih, K. Ivan. et.al. *An Objective Approach to English Literature: For NET, JRF, SLET and Pre-Ph.D. Registration Test*. New Delhi: Atlantic Publishers, 2007.

Women studies, Gender equality, Gender Cap, Women empowerment – Pink Color 
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Paper : English Literature for
Elective Course - V
UGC Examinations Elective
English Literature for UGC Examinations

Objectives:

(Question Paper Pattern)

Time : 3 hrs
Marks

Max : 75

There are 75 multiple choice questions. Attempt all the 75 questions (75 x 1 = 75 marks)

Each multiple choice question has 4 alternative responses marked (a), (b), (c), or (d). Tick the right responses against each item.

1. Queen Isabella is a character in _____
a. Richard II b. Richard III c. Edward II d. none of these
2. One of the following poems is not written by A.K. Ramanujan
a. "The Snakes" b. "The Striders" c. "Breaded Fish" d. "Philosophy"
3. Which metrical foot is the opposite of an iamb?
a. dactyl b. trochee c. anapaest d. spondee
4. The poem "To Brookiyn Bridge" opens with the image of _____ flying above the girders of the bridge
a. an eagle b. a sparrow c. a seagull d. a dove
5. Who says that Shakespeare was not of an age but for all time ?
a. Dr. Johnson b. Dryden c. Ben Jonson d. T.S. Eliot

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Sem	Part	Course	Title	Inst. Hours/ Week	Credit	Exam Hours	Marks		Total	
							Int	Ext		
I	I	Language Course-I (LC) – Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course - I (ELC)		6	3	3	25	75	100	
	III		Core Course-I (CC)	Properties of Matter and Acoustics	6	6	3	25	75	100
			Core Practical - I (CP)	Practical I	3	-	-	-	-	-
			First Allied Course-I (AC)		4	4	3	25	75	100
		First Allied Course-II (AC)		3	-	-	-	-	-	
	IV	Value Education	Value Education		2	2	3	25	75	100
Total				30	18				500	
II	I	Language Course-II (LC)- Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course-II (ELC)		6	3	3	25	75	100	
	III		Core Course-II (CC)	Mechanics	6	6	3	25	75	100
			Core Practical - I (CP)	Practical I	3	3	3	40	60	100
			First Allied Course-II (AC)		3	3	3	25	75	100
		First Allied Course-III (AC)		4	2	3	25	75	100	
	IV	Environmental Studies	Environmental Studies		2	2	3	25	75	100
Total				30	22				700	
III	I	Language Course - III (LC)-Tamil*/Other Languages ** #		6	3	3	25	75	100	
	II	English Language Course-III (ELC)		6	3	3	25	75	100	
	III		Core Course - III (CC)	Thermal Physics	6	6	3	25	75	100
			Core Practical - II (CP)	Practical II	3	-	-	-	-	-
			Second Allied Course - I (AC)		4	4	3	25	75	100
		Second Allied Course-II (AP)		3	-	-	-	-	-	
	IV	Non Major Elective I - for those who studied Tamil under Part-I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	Energy Physics		2	2	3	25	75	100
Total				30	18				500	

IV	I	Language Course –IV (LC) - Tamil*/Other Languages ** #		6	3	3	25	75	100
	II	English Language Course – IV (ELC)		6	3	3	25	75	100
	III	Core Course – IV (CC)	Electricity, Magnetism and Electro Magnetism	5	5	3	25	75	100
		Core Practical – II (CP)	Practical II	3	3	3	40	60	100
		Second Allied Course - II (AP)		3	3	3	40	60	100
		Second Allied Course - III		3	2	3	25	75	100
	IV	Non Major Elective II-for those who studied Tamil under Part I a) Basic Tamil for other language students	Laser Physics	2	2	3	25	75	100
		b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme							
		Skill Based Elective - I							
	Total				30	23			
V	III	Core Course – V (CC)	Optics	5	5	3	25	75	100
		Core Course – VI (CC)	Atomic and Molecular Physics	5	5	3	25	75	100
		Core Course – VII (CC)	Electronics	6	5	3	25	75	100
		Core Practical – III (CP)	Practical III	3	3	3	40	60	100
		Major Based Elective – I	Material Science	5	5	3	25	75	100
	IV	Skill Based Elective – II	Skill Based Elective - II	2	2	3	25	75	100
		Skill Based Elective – III	Skill Based Elective - III	2	2	3	25	75	100
		Soft Skills Development	Soft Skills Development	2	2	3	25	75	100
	Total				30	29			
VI	III	Core Course – VIII (CC)	Nuclear Physics	6	6	3	25	75	100
		Core Course – IX (CC)	Theoretical Physics	6	6	3	25	75	100
		Core Practical – IV (CP)	Practical IV	5	4	3	40	60	100
		Major Based Elective II	Microprocessor and 'C' Programming	6	6	3	25	75	100
		Major Based Elective III	Communication Physics	6	6	3	25	75	100
	V	Extension Activities	Extension Activities	-	1	-	-	-	-
		Gender Studies	Gender Studies	1	1	3	25	75	100
Total				30	30				600
Grand Total				180	140				3900

List of Allied Courses

Allied Course I

Mathematics

Language Part – I	-	4
English Part –II	-	4
Core Paper	-	9
Core Practical	-	4
Allied Paper	-	5
Allied Practical	-	1

Allied Course II

Chemistry / Computer Science

Non-Major Elective	-	2	
Skill Based Elective	-	3	
Major Based Elective	-	3	
Environmental Studies	-	1	
Value Education	-	1	
Soft Skill Development	-	1	
Gender Studies	-	1	
Extension Activities	-	1	(Credit only)

* for those who studied Tamil upto 10th +2 (Regular Stream)

+ Syllabus for other Languages should be on par with Tamil at degree level

those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part I should study special Tamil in Part IV

** Extension Activities shall be out side instruction hours

Non Major Elective I & II – for those who studied Tamil under Part I

- a) Basic Tamil I & II for other language students
- b) Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

	Internal Marks	External Marks
1. Theory	25	75
2. Practical	40	60
3. Separate passing minimum is prescribed for Internal and External marks		

FOR THEORY

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]
The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

FOR PRACTICAL

The passing minimum for CIA shall be 40% out of 40 marks [i.e. 16 marks]
The passing minimum for University Examinations **shall be 40% out of 60 marks** [i.e. 24 marks]

CORE COURSE I

PROPERTIES OF MATTER AND ACOUSTICS

Objective:

To identify the characteristics of matter in terms their properties and to know the basic principles of acoustics.

UNIT I Elasticity

Hooke's law – Stress-Strain diagram – Factors affecting elasticity- Different moduli of elasticity - Relation between the elastic moduli – Poisson's ratio -- Twisting couple on a cylinder – Determination of rigidity modulus by static torsion – Work done in twisting a wire -Torsional oscillations of a body- Torsion pendulum - Determination of rigidity modulus and moment of inertia.

UNIT II Bending of Beams

Bending of beams - Expression for bending moment – Cantilever – Expression for depression of the loaded end of a cantilever — Young's modulus by measuring the tilt in a loaded cantilever – Oscillation of a cantilever - Non-uniform bending – Expression for depression- Uniform bending – Expression for elevation –Experimental determination of Young's modulus using pin and microscope method (Non-uniform bending – Uniform bending) - Determination of Young's modulus by Koenig's method.

UNIT III Surface Tension

Definition – Molecular forces – Explanation of surface tension on kinetic theory – Surface energy – Work done on increasing the area of a surface - Angle of contact - Neumann's triangle- Excess pressure inside a liquid drop and soap bubble - Excess pressure inside a curved liquid surface - Force between two plates separated by a thin layer of a liquid - Experimental determination of surface tension - Jaegar's method - Drop- weight method - Capillary rise method - Variation of surface tension with temperature.

UNIT IV Viscosity

Newton's law of viscous flow – streamlined and turbulent motion – Reynold's number - Poiseuille's formula for the flow of a liquid through a horizontal capillary tube – Experimental determination of co-efficient of a liquid by Poiseuille's method - Ostwald's viscometer – Terminal velocity and Stokes' formula – Viscosity of gases – Meyer's formula - Rankine's method - Variation of viscosity with temperature and pressure - Lubrication.

Equation of continuity of flow – Euler's equation for unidirectional flow - Bernoulli's theorem – Filter pump and Wings of aeroplane - Torricelli's theorem - Pitot tube.

UNIT V Acoustics

Newton's Formula for velocity of sound -Effect of Temperature, Pressure, Humidity , Density of medium and Wind - Musical Sound and Noise - Speech- Characteristics of Musical sound - Intensity of sound - Measurement of intensity of sound :Decibel and Phon- Bel.

Reverberation - Sabine's Reverberation formula - Factors Affecting the Acoustics of Buildings - Sound distribution in an Auditorium - Requisites for good acoustics - Ultrasonics - Production and detection - Medical applications of Ultrasonic waves - Acoustic Grating.

Books for Study:

1. R. Murugesan, *Properties of matter*, S. Chand & Co. Pvt. Ltd., Revised edition, 2012.
2. D.S. Mathur, *Elements of Properties of matter*, S. Chand & Co. Pvt.Ltd., Revised edition, 2010
3. Brijlal & N. Subramanyam, *Properties of matter*, Vikas Publishng. Pvt. Ltd, 2005.
4. Brijlal & N. Subramanyam, '*A Text Book of Sound*', Vikas Publishing. Pvt. Ltd, 2008.

Books for Reference:

1. Feynman, *Lectures on Physics*. Vol. I & II by Richard P. Feynman, The New Millennium Edition, 2012.
2. David Halliday and Robert Resnick, *Fundamentals of Physics* by Wiley Plus., 2013.
3. B.H. Flowers and E. Mendoza, *Properties of matter*, Wiley Plus, 1991.
4. H.R. Gulati, *Fundamentals of General properties of matter*, S. Chand & Co. Pvt. Ltd, 2012.
5. Chatterjee and Sen Gupta, *A treatise on general properties of matter*, New central Books agency (p) Ltd, Kolkata, 2001.
6. R.L. Saihgal, *A Text Book of Sound*, S. Chand & Co. Pvt. Ltd, New Delhi, 1979.

CORE PRACTICAL I

(Any Twelve Experiments)

Objective:

To motivate and educate the students to acquire skill in physics Experiments.

1. Measurements of length (or diameter) using Vernier calipers, Screw gauge and Travelling microscope.
2. Non uniform bending - Pin & Microscope Method.
3. Cantilever depression—Scale and Telescope Method.
4. Surface Tension, Interfacial Surface Tension – Drop weight Method.
5. Surface Tension by Capillary rise method
6. Joule's Calorimeter - determination of Specific heat capacity of liquid.
7. Compound pendulum - g & k determination.
8. Specific heat capacity of liquid - Newton's law of cooling.
9. Coefficient of viscosity of liquid—Poiseuille's flow method.
10. Spectrometer - determination of μ of a solid prism.
11. P.O box – determination of Temperature coefficient.
12. Meter bridge - Specific resistance determination.
13. Comparison of Viscosities of two liquids – Ostwald's Viscometer/ HARE's apparatus
14. Long focus convex lens - f, R, refractive index-determination.
15. Concave lens – Focal length determination.
16. Determination of the Elastic Constants of a Wire by Searle's method.
17. Determine the frequency of a given tuning fork – Sonometer.

Books for Study :

1. Dr. S. Somasundaram, *Practical Physics*, Apsara publications, Tiruchirapalli, 2012.
2. Department of Physics, *Practical Physics*, (B.Sc. Physics Main), St. Joseph's College, Tiruchirapalli 1998.

Books for Reference:

1. S. Srinivasan, *A Text Book of Practical physics*, S. Sultan Chand publications. 2005
2. R. Sasikumar, *Practical Physics*, PHI Learning Pvt. Ltd, New Delhi, 2011.

CORE COURSE II

MECHANICS

Objective:

An attempt is made to give a better insight of the change of position of any physical object or event and their consequences.

UNIT I Projectile, Impulse and Impact

Projectile - particle projected in any direction - Path of a projectile is a parabola - Range of a projectile on plane inclined to the horizontal - Maximum range on the inclined plane - Impulse of a force - Laws of impact - Direct impact between two smooth spheres - oblique impact between two smooth spheres - Impact of a smooth sphere on a smooth fixed horizontal plane - Loss of KE due to direct impact - Oblique impact.

UNIT II Motion on a plane curve

Centripetal and centrifugal forces - Hodograph - Expression for normal acceleration - Motion of a cyclist along a curved path - Motion of a railway carriage round a curved track- upsetting of a carriage - Motion of a carriage on a banked up curve - Effect of earth's rotation on the value of the acceleration due to gravity - Variation of 'g' with altitude, latitude and depth.

UNIT III Gravitation

Newton's law of gravitation - Mass and density of earth - Inertial and Gravitation mass - Determination of G-Boy's experiment - Kepler's Laws of planetary motion - Deduction of Newton's law of gravitation from Kepler's Law - Gravitation - Field - potential - Intensity of Gravitational field - gravitational potential due to a point mass - Equipotential surface - Gravitational potential and field due to a spherical shell and solid sphere - Escape velocity - Orbital velocity.

UNIT IV Dynamics of rigid body and Friction

Moment of Inertia - Kinetic energy and angular momentum of rotating body - Theorems of perpendicular and parallel axes - Acceleration of a body rolling down an inclined plane without slipping - Oscillations of a small sphere on a large concave smooth surface - Compound pendulum - Centre of suspension and centre of oscillation - Centre of percussion - Minimum period of a compound pendulum - Kater's pendulum.

Friction - Laws of friction - Resultant reaction - Angle and cone of friction - Equilibrium of a body on a rough plane inclined to the horizontal - The friction clutch.

UNIT V Centre of gravity, Centre of Pressure, Floating bodies, Atmospheric pressure

Centre of gravity of a body - Centre of gravity of a trapezoidal lamina - C.G. of a solid hemisphere - C.G. of a solid tetrahedron - C.G. of a solid cone.

Centre of pressure - rectangular lamina - triangular lamina - triangular lamina immersed in a liquid.

Conditions of equilibrium of a floating body - Stability of equilibrium of a floating body - Metacentre - Experimental determination of a metacentric height of a ship.

The barometer - Fortin's barometer - Correction for a barometer - Faulty barometer - Variation of atmospheric pressure with altitude.

Books for study:

1. M. Narayanamurthi and N. Nagarathinam, *Dynamics*, The National Publishing Company 2005, Chennai.
2. M. Narayanamurthi and N. Nagarathinam, *Statics, Hydrostatics and Hydrodynamics* - The National Publishing Company 2005, Chennai.

Books for reference:

1. R. Murugesan, *Mechanics and Mathematical Physics*, S. Chand & Company Ltd., New Delhi, 2008.
2. D.S. Mathur, *Mechanics*, S. Chand & Company Ltd., New Delhi - 1990.

CORE COURSE III
THERMAL PHYSICS

Objective :

To understand the phenomena connected with heat as radiation, conduction, different thermal capacities of substances and the converse process of making heat to do mechanical work.

UNIT I Specific Heat

Specific heat of solids – Method of mixtures – radiation correction – Dulong and Petit's law - Quantum theory - Einstein's theory of specific heat – Debye's theory of specific heat– Specific heat of liquids – Newton's law of cooling - Specific heat of gases – Mayer's Relation – Quantization of various contributions to energy of diatomic molecules – Specific heat of diatomic gases.

UNIT II Conduction.

Coefficient of Thermal Conductivity - Rectilinear Flow of Heat along a Bar - Thermal conductivity of good conductors - Lee's method for metals - Forbe's method to find K - Lee's disc method for Bad Conductors - Heat Flow Through a Compound wall - Accretion of Ice on Ponds - Wiedemann-Franz law - Practical applications of conduction of heat.

UNIT III Radiation

Radiation - Stefan's law - Deduction of Newton's law from Stefan's law - Boltzmann's law - Black body radiation - Wein's law - Rayleigh-Jean's law - Planck's law - Angstrom Pyrheliometer - Solar constant - Surface temperature of sun - Sources of solar energy - Photo voltaic cell - Greenhouse effect.

UNIT IV Low Temperature

Joule - Thomson's effect - Porous plug experiment - Liquefaction of gases -Linde's method - Liquefaction of hydrogen - Adiabatic demagnetization - Liquefaction of He - Practical applications of low temperature - Refrigerating mechanism - Air conditioning mechanism - solid carbon dioxide(dry ice).

UNIT V Thermodynamics

Zeroth law of thermodynamics - First law of thermodynamics - Heat engines - Reversible and irreversible process - Carnot's theorem - Second law of thermodynamics - Thermodynamic Scale of temperature - Entropy - Change of entropy in reversible and irreversible processes - Temperature - entropy diagram (T.S) - Law of increase of entropy - Maxwell's thermo dynamical relations - Clausius' - Claypeyron's latent heat equations.

Books for Study:

1. Brijlaland Subramaniam, *Heat and Thermodynamics*, S. Chand &Co., 2001.
2. J. B. Rajamand C. L Arora, *Heat and Thermodynamics*, S. Chand & Co.1983.
3. Brijlaland Subramaniam, *Heat and Thermodynamics & Statistical physics*, S. Chand & Co. 2015.

Books for Reference:

1. M. Narayanamoorthy and N. Nagarathinam, *Heat*, National publishing Co, Chennai, Eight edition, 1987.
2. D.S. Mathur, *Heat and Thermodynamics*, S. Chand & Co. 2014.

CORE PRACTICAL II

(Any Twelve Experiments)

Objective:

To enhance the knowledge in experimental physics.

1. Uniform bending –Pin and Microscope.
2. Static Torsion -Determination of Rigidity modulus (n).
3. Torsional Pendulum – Rigidity modulus (n) and moment of inertia (I).
4. Stoke's method - Viscosity of highly viscous liquid.
5. Coefficient of viscosity of highly viscous liquid –Searle's viscometer method.
6. Emissive power of a surface - Spherical calorimeter.
7. Thermal conductivity of a bad conductor -Lee's disc method.
8. Carey Foster's Bridge –specific resistance determination.
9. Potentiometer - Ammeter calibration.
10. Potentiometer - Voltmeter calibration - low range.
11. Potentiometer - determination of resistance.
12. Figure of merit of a mirror Galvanometer.
13. Spectrometer -Determination μ of a liquid.
14. Spectrometer- Grating--normal incidence method.
15. Air Wedge - determination of Thickness of a thin wire.
16. High resistance by leakage – Using BG.
17. Characteristics of Junction and Zener diodes.

Books for Study :

- 1 Dr. S. Somasundaram, *Practical Physics*, Apsara publications, Tiruchirapalli, 2012.
- 2 Department of Physics, *Practical Physics*, (B.Sc. Physics Main), St. Joseph's College, Tiruchirapalli 1998.

Books for Reference:

1. S. Srinivasan, *A Text Book of Practical physics*, S. Sultan Chand publications, 2005.
2. R. Sasikumar, *Practical Physics*, PHI Learning Pvt. Ltd, New Delhi, 2011.

NON-MAJOR ELECTIVE I

ENERGY PHYSICS

Objective:

To make the students to understand the present day crisis of need for conserving energy and alternatives are provided.

UNIT I Conventional Energy Sources

World reserve- Commercial energy sources and their availability – Various forms of energy – Renewable and Conventional energy system – comparison – Coal, oil and natural gas – applications – Merits and Demerits.

UNIT II Solar energy

Renewable energy sources – Solar energy – nature and Solar radiation – components – Solar heaters – Crop dryers – Solar cookers – Water desalination (block diagram) -Photovoltaic generation – merits and demerits.

UNIT III Biomass energy fundamentals:

Biomass energy – classification – Photosynthesis – Biomass conversion process

UNIT IV Biomass Utilization

Gobar gas plants – Wood gasification – advantage & disadvantages of biomass as energy source

UNIT V Other forms of energy sources

Geothermal energy – Wind energy – Ocean thermal energy conversion – Energy from waves and tides (basic ideas).

Books for study:

1. D.P. Kothari, K.C. Singal & Rakesh Ranjan, *Renewable energy sources and emerging Technologies*, Prentice Hall of India Pvt. Ltd., New Delhi (2008).
2. Suhas P Sukhatme, *Solar energy -- Principles of thermal collection and storage*, Tata McGraw-Hill Publishing company, New Delhi, Second edition, 2012.

Books for References:

1. S.A. Abbasi and Nasema Abbasi, *Renewable Energy sources and their environmental impact*, PHI Learning Pvt. Ltd., New Delhi (2008).

CORE COURSE IV

ELECTRICITY, MAGNETISM AND ELECTROMAGNETISM

Objective:

This course provides an in depth coverage of behaviour of stationary electric charges, electricity, magnetism and how they are connected.

UNIT I Electrostatics

Coulomb's Law – Gauss's Law and its applications (Electric Field due to a uniformly charged sphere, hollow cylinder & solid cylinder)– Electric Potential – Potential at a point due to a uniformly charged conducting sphere – Principle of a capacitor– Capacity of a spherical and cylindrical capacitors – Energy stored in a charged capacitor–Loss of energy on sharing of charges between two capacitors.

UNIT II Current Electricity

Ampere's circuital law and its applications -Field along the axis of a circular coil and Solenoid–Theory of Ballistic Galvanometer –Figure of merit– Damping Correction– Kirchhoff's Laws of Electricity –Wheatstone's Bridge–Carey Foster's Bridge–Potentiometer– Calibration of Ammeter – Calibration of Voltmeter (Low range and High range) – Comparison of Resistances.

UNIT III Electromagnetic Induction

Laws of electromagnetic induction– Self and mutual induction– Self-inductance of a solenoid– Mutual inductance of a pair of solenoids–Coefficient of coupling– Experimental determination of self (Rayleigh's method) and mutual inductance– Growth and decay of current in a circuit containing L and R–Growth and decay of charge in a circuit containing C and R– Measurement of High resistance by leakage.

UNIT IV AC Circuits

Alternating EMF applied to series circuits containing LC, LR and CR– Alternating EMF applied to circuits containing L, C and R–Series and Parallel resonance circuits– Sharpness of resonance–Q factor– Comparison between Series and Parallel resonant circuits –Power in AC circuits (R, L-R, L-C-R only) – Power factor– Wattless current – Choke Coil – Transformer – Uses of Transformers – Skin Effect.

UNIT V Magnetism

Intensity of Magnetization– Magnetic Susceptibility– Magnetic Permeability – Types of magnetic materials– Properties of para, dia and ferromagnetic materials– Langevin's theory of dia and para magnetism– Weiss's theory of ferromagnetism – B-H curve–Energy loss due to magnetic hysteresis – Ballistic Galvanometer method for plotting B-H curve - Magnetic properties of iron and steel.

Books for Study:

1. BrijLal and N. Subrahmanyam, *A Text Book of Electricity and Magnetism*, Ratan Prakashan Mandir Educational & University Publishers, New Delhi, 2000.
2. R. Murugesan, *Electricity and Magnetism*, S. Chand & Company Pvt. Ltd., New Delhi – 2015

Books for Reference:

1. D. L. Sehgal, K. L. Chopra and N. K. Sehgal, *Electricity and Magnetism*, S. Chand & Sons. New Delhi. 1996.

NON MAJOR ELECTIVE II

LASER PHYSICS

Objective:

To introduce the physical and engineering principles of laser operation and their applications.

UNIT I Fundamentals of LASER

Spontaneous emission – Stimulated emission – Meta stable state – Population inversion – Pumping – Laser Characteristics

UNIT II Production of LASER

Helium – Neon Laser – Ruby Laser – CO₂ Laser – Semiconductor Laser

UNIT III Industrial Applications of LASER

Laser cutting – Welding – Drilling – Hologram – Recording and reconstruction of hologram

UNIT IV Lasers in Medicine

Lasers in Surgery – Lasers in ophthalmology – Lasers in cancer treatment

UNIT V Lasers in Communication

Optic fibre communication – Total internal reflection – Block diagram of fibre optic communication system – Advantages of fibre optic communication.

Books for study:

1. N. Avadhanulu , *An introduction to LASERS*, S. Chand & Company,2001.

Books for References:

1. William T. Silfvast, *Laser fundamentals*, University Press, Published in South Asia by Foundation books, New Delhi, 1998.
2. K. Thyagarajan and A.K. Ghatak, *LASER Theory and Application*, Mc Millan, India Ltd, 1984.

CORE COURSE V

OPTICS

Objective :

To familiarize the fundamental laws concerning reflection, refraction, interference, diffraction, polarization, spectrum and allied phenomena.

UNIT I Geometrical optics

Spherical aberration - Spherical aberration of a thin and thick lens - Methods of reducing Spherical aberration - Coma - Aplanatic surface - Astigmatism - Curvature of the field - Meniscus lens - Distortion - Chromatic aberration - Chromatic aberration in a lens - Circle of least Chromatic aberration - Achromatic lenses.

UNIT II Interference

Air wedge - Newton's rings - Haidinger's fringes - Brewster's fringes - Michelson Interferometer and its applications - Fabry- Perot Interferometer - Interference filter - Stationary waves in light - Colour photography (qualitatively) - Holography - Construction and reconstruction of a hologram - Applications.

UNIT III Diffraction

Fresnel's diffraction - Diffraction at a (1) circular aperture (2) Straight edge (3) narrow wire - Fraunhofer diffraction at a single slit - Double slit - Missing orders in a Double slit, Diffraction pattern - Grating (theory) - Oblique incidence - Overlapping of spectral lines - Resolving power - Rayleigh's criterion of resolution- Resolving power of a Telescope and Grating - Dispersive power and resolving power of a grating.

UNIT IV Polarization

Nicol prism - Nicol prism as an analyzer and polarizer - Huygens's explanation of Double refraction in uniaxial crystals - Double Image polarizing prisms - Elliptical and Circularly polarized light - Production and detection - Quarter wave and half wave plates - Babinet's compensator - Optical activity - Fresnel's explanation of optical activity - Laurent's Half shade polarimeter.

UNIT V Optical Instruments

Microscopes - Simple Microscope (Magnifying glass) - Compound Microscope - Ultra-Microscope - Eyepieces - Huygen's Eyepiece - Ramsden's Eyepiece - Comparison of Eyepieces - Telescope - Refracting astronomical telescope - Abbe Refractometer - Pulfrich refractometer - Photographic Camera - Prism binoculars.

Books for study:

1. Dr. N. Subramaniam, Brijlal and Dr.M.N. Avathanulu, *Optics*, S. Chand &Co. Pvt.Ltd. 25th revised edition , New Delhi ,2012 .
2. Dr. N. Subramaniam, Brijlal and Dr.M.N. Avathanulu, *Optics*, S. Chand & Co. Pvt. Ltd.- 9th revised edition, New Delhi ,2014.
3. Krishnapada Ghosh Anandamoy Manna, *Text book of Physical Optics*, McMillan India Ltd, First edition, 2007.

Books for Reference:

1. Singh & Agarwal, *Optics and Atomic Physics*, Pragati Prakashan Meerut, Ninth edition, 2002.
2. A.B. Gupta, *Modern Optics*, Books and allied (P) Ltd, Kolkata, First edition, 2006.
3. Ajoy Ghatak, *Optics*, (TMH), New Delhi, Fourth edition, 2009.
4. Arial Lipson, Stephen G.Lipson and Hentry Lipson, *Optical Physics*, Cambridge, Fourth edition, 2011.
5. Schaum's outlines, *Optics*, Tata McGraw Hill, 2011.

CORE COURSE VI

ATOMIC AND MOLECULAR PHYSICS

Objective:

The purpose is to understand the outgrowth of the structure, extra nuclear part of the atom and origin of the spectra.

UNIT I Cathode and Positive Ray - Analysis

Production and Properties of Cathode rays - Electronic charge - Millikan's oil-drop method - Production and properties of positive rays - Thomson's parabola method - Aston's, Dempster's and Bainbridge's mass spectrographs (e/m) - Mass defect and Packing Fraction.

UNIT II Atom model

Bohr atom model - Critical Potentials - Experimental determination of critical potentials - Franck and Hertz's experiment - Sommerfield's Relativistic atom model - Vector atom model - Quantum numbers associated with vector atom model - Pauli's exclusion principle - Electronic configuration of elements and periodic table - Magnetic dipole moment due to orbital motion and spin of the electron - The Stern and Gerlach experiment - Zeeman effect - Experimental arrangement for the normal Zeeman effect - Larmor's theorem - Quantum mechanical explanation of the normal Zeeman effect - Anomalous Zeeman effect - Paschen Back Effect - Stark effect.

UNIT III X-Rays

X-rays - production - detection and properties - Bragg's law - Bragg's X-ray spectrometer - Laue's experiment - The Powder crystal method - Rotating crystal method - X-ray spectra - Characteristics of X-ray spectrum - Moseley's law - Compton effect - Determination of wavelength - Symmetry operations and elements of Symmetry.

UNIT IV Photoelectric Effect and Free Electron theory of metals

Free electron theory of metals - Properties of metals - Drude and Lorentz theory - Electrical and thermal conductivities - Wiedemann and Franz law.

Photoelectric effect - Lenard's experiment - Richardson and Compton experiment - Experimental investigations on the photoelectric effect - Laws of photoelectric emission - Einstein's photoelectric equation - Experimental verification - Millikan's experiment - Photoelectric cells - Photoemissive cell - Photovoltaic cell - Photoconductive cell - Applications of Photoelectric cells.

UNIT V **Molecular Physics**

Induced absorption - Spontaneous emission - Stimulated emission - Ruby laser - He laser - Semiconductor laser - Properties of laser beam - Applications of LASER in Medicine and Industry - Theory of the pure rotational spectrum of a molecule - Theory of the origin of the vibration - rotation spectrum of a molecule - Electronic spectra of molecules - Molecular orbital theory of Hydrogen molecule ion - Heitler-London theory of Hydrogen molecule - Theory of ESR .

Books for study:

1. R. Murugesan, KiruthigaSivaprasath, *Modern Physics*, S. Chand &Co Ltd., New Delhi, 14th Revised edition, 2014.
2. J.B. Rajam, *Atomic Physics*, S. Chand & Co Ltd., New Delhi, Revised edition, 2009.

Books for Reference:

1. Sehgal, Chopra and Sehgal, *Modern physics*, Sultan Chand & Sons, New Delhi.
2. Arthur Beiser, Shobhit Mahajan, S. RaiChoudhury, *Concepts of Modern Physics*, Sixth edition, SIE, 2009.
3. S.N .Ghoshal, *Atomic Physics*, S. Chand & Co Ltd., New Delhi, Revised edition, 2004.

CORE COURSE VII

ELECTRONICS

Objective:

To enable the students to understand all aspects of electronics in a lucid and comprehensive manner.

UNIT I Semiconductors, diodes and Bipolar Transistors

Intrinsic and extrinsic semi-conductors –PN junction diode – Biasing–V-I Characteristics– Rectifiers – Half wave – full wave and Bridge rectifiers – Break down mechanisms – Zener diode- characteristics of Zener diode – Zener diode as voltage regulator-Bipolar junction transistor – Basic configurations -Relation between α and β – Characteristic curves of transistor – CB, CE mode – DC load line – DC bias and stabilization – fixed bias – voltage divider bias.

UNIT II Amplifiers and Oscillators

Single stage CE amplifier – Analysis of hybrid equivalent circuit – Power amplifiers – Efficiency of class A,B & C Power amplifier - General theory of feedback – Properties of negative feedback – Criterion for oscillations – Hartley oscillator – Colpitt's oscillator.

UNIT III Number Systems, Logic Gates and Boolean Algebra

Introduction to decimal, binary, octal, hexadecimal number systems – Inter conversions– 1's and 2's complements –Logic gates, Symbols and their truth tables – AND, OR, NOT, NAND, NOR, XOR, and XNOR – Universality of NAND and NOR gates.

Boolean algebra – De-Morgan's theorems –Reducing Boolean expressions using Boolean laws – SOP forms of expressions (minterms) – Karnaugh map simplification(Four variables).

UNIT IV Combinational and Sequential Digital Systems

Half and full adders – Half and full subtractors – Decoder(2:4 line) – Encoder (4:2 line)– Multiplexer(4:1 line) – Demultiplexer (1:4 line) - Flip flop – RS – clocked RS – T and D flip flops – JK and master slave flip flops – Counters – Four bit asynchronous ripple counter – Mod-10 counter — Synchronous counter – Ring counter - Shift registers – SISO and SIPO shift registers.

UNIT V Operational amplifier

Operational amplifier - Characteristics – Inverting and Non-inverting amplifier – Voltage follower – Adder, Subtractor, Integrator and Differentiator circuits – Log & antilog amplifiers – Op- amp as Comparator – Filters-low,

bandpass, high pass filters -A/D conversion – Successive approximation method – D/A conversion – R-2R ladder network.

Books for study:

1. Mehta V.K., *Principles of Electronics*, S. Chand and company Ltd, 2014.
2. A.P. Malvino, D.P. Leach, *Digital Principles and Application*, IV Edition, Tata McGraw Hill, New Delhi, 2011.
3. V. Vijayendran, *Digital Fundamentals*, S.Viswanathan, Printers & Publishers Private Ltd, Chennai, 2004.

Books for Reference :

1. Theraja. B.L, *Basic electronics - Solid State*, S.Chand and Company Ltd 2002.
2. Sedha R.S., *A text book of applied Electronics*, S.Chand & company Ltd 2002.
3. W.H.Gothmann, *Digital Electronics*, Prentice Hall of India, Pvt. Ltd., New Delhi 1996.

CORE PRACTIAL III

(Any Twelve Experiments)

Objective:

To promote scientific temper and to learn physical concepts through these experiments.

1. Spectrometer- i-d curve.
2. Spectrometer - i-i' curve.
3. Spectrometer - small angle prism.
4. Field along the axis of a coil – determination of M.
5. Potentiometer - EMF of a thermocouple.
6. Potentiometer -Temperature coefficient of thermistor.
7. Ballistic Galvanometer-Figure of merit
8. Ballistic Galvanometer-Absolute Determination of Mutual Inductance.
9. Anderson's bridge – Self-inductance of a coil.
10. Series resonance circuits.
11. Parallel Resonance circuits.
12. Regulated power supply using Zener diode - Percentage of regulation.
13. Single stage - RC coupled amplifier – Transistor.
14. Hartley oscillator using transistor.
15. FET Characteristics.
16. AND, OR and NOT gates using discrete components
17. AND, OR and NOT gates using IC's.
18. Op - Amp -Adder and Subtractor.
19. Op - Amp - Integrator and Differentiator.
20. Construction of Half wave rectifier.
21. Half Adder and Full adder circuits using logic gates.
22. Half Subtractor and Full Subtractor circuits using logic gates.

Books for Study :

1. Dr. S. Somasundaram, *Practical Physics*, Apsara publications, Tiruchirapalli, 2012.
2. Department of Physics, *Practical Physics*, (B.Sc. Physics Main), St. Joseph's College, Tiruchirapalli 1998.

Books for Reference:

1. S. Srinivasan, *A Text Book of Practical physics*, S. Sultan Chand publications. 2005
2. R. Sasikumar, *Practical Physics*, PHI Learning Pvt. Ltd, New Delhi, 2011.

MAJOR BASED ELECTIVE I

MATERIAL SCIENCE

Objectives:

To develop knowledge in material science and to understand the relationship between properties and material characteristics.

UNIT I Crystal Structure

Types of crystals-space lattice-basis- unit cell and lattice parameters – Bravais lattices-Lattice planes and Miller indices-inter planar spacing in a cubic lattice-cubic lattice-SC – BCC – FCC- Sodium chloride and Diamond crystal structure – Bonding of solids (Ionic , Covalent , Metallic , Hydrogen and Van der Waal).

UNIT II Super Conducting Materials

Superconductivity – Properties-Meissner's effect- London equations – types of superconductors Type I and Type II –High temperature superconductors – Josephson effects and its applications – SQUIDS - Applications of superconductor.

UNIT III Nano Materials

Nanoscience and nanotechnology – Nanomaterials- Properties of nanomaterials (size dependent) –synthesis of nanomaterials- Fullerenes-Application of nanomaterials – Carbon nanotubes- Fabrication and structure of carbon nanotubes - Properties of carbon nanotubes (Mechanical and Electrical) - Applications of CNT's.

UNIT IV Smart Materials

Metallic glass and its applications — Fiber reinforced metals – SAW Materials and its applications – Biomaterials – Ceramic-Nuclear engineering materials-Nanophase materials - SMART materials- Conducting polymers- Optical materials - Fiber optic materials and their applications.

UNIT V Mechanical Behavior Of Materials

Different mechanical properties of engineering materials – creep – Fracture-technological properties – factors affecting mechanical properties of material-Heat treatment-cold and hot working-types of mechanical tests- metal forming process-deformation of metals-Deformation of crystals and polycrystalline materials.

Books for study:

1. Dr. M.N. Avadhanulu, *Material science*, S.Chand & Company, New Delhi, 2014.

Books for Reference:

1. M.Arumugam, *Material science*, Anuradha publishers, 1990.
2. V. Raghavan, *Material Science and Engineering* , Printice Hall India.,2004.
3. V. Rajendran, *Material Science*, Tata McGraw Hill Ltd, New Delhi,2001.

CORE COURSE VIII

NUCLEAR PHYSICS

Objective:

To emphasize the understanding of nuclear forces and models, elementary particles and Accelerators.

UNIT I General Properties of Nuclei and Nuclear Models

Constituents of nuclei-Classification of nuclei - Nuclear mass and binding energy - Binding energy and stability of nucleus, Mass defect and Packing fraction, Binding fraction Vs Mass number curve - Nuclear size - Nuclear spin-nuclear energy levels - Nuclear magnetic moment --Parity of nuclei - Nuclear forces - Yukawa's model of nuclear force.

Nuclear Models - Liquid drop model, Semi-empirical mass formula - Shell model- Salient features of shell model.

UNIT II Radioactivity

Radioactive decay law-Half life and Average life - Activity or strength of a radio - sample - Successive transformation - Radioactive chain- Radioactive equilibrium - Radioactive dating - α - decay - Geiger-Nuttall law - Tunnel effect - Gamow's theory of α decay - β -decay - Energetics of β -decay - Continuous β -spectrum - Inverse β -decay -Parity violation in β -decay - Neutrino hypothesis - Properties of neutrino - Gamma rays-origin of the gamma rays - Internal conversion.

UNIT III Particle Accelerators and Detectors

Linear accelerator - Cyclotron - Betatron - Electron synchrotron - Accelerators in India.

Radiation Detectors - Ionisation Chamber - Proportional counter - G.M. Counter-Cloud chamber - Scintillation counter - Solid state track detector - Semiconductor detector.

UNIT IV Nuclear Reactions and Nuclear Reactors

Nuclear reactions - Types of nuclear reactions - Conservation laws in nuclear reactions -Energetic of nuclear reactions - Kinematics of nuclear reactions -Threshold energy of nuclear reactions - Solution of the Q- value equation - Cross-section of nuclear reactions.

Nuclear fission - fission of light nuclei - Prompt and delayed neutrons - Neutron speed , classifications - Nuclear chain reaction - Neutron cycle - Nuclear reactor - Types of reactor -Fission bomb - Nuclear power in India-Fusion-Thermonuclear reaction - Hydrogen bomb -Possibility of fusion reactor.

UNIT V Elementary Particles

Classification of elementary particles – Pions and Muons - K-mesons – Hyperons- Conservation laws - Exact laws - Approximate conservative laws- Fundamental interactions – Antiparticles -Resonance particles – Hyper-nucleus - Symmetry classification of elementary particles - Quark model.

Books for Study:

1. Gupta & Roy., *Physics of the Nucleus*, Books and Allied (P) Ltd. Kolkatta, 2011 .

Books for Reference:

1. S. N. Ghoshal, *Nuclear Physics* , S. Chand & Co., Edition ,2003.
2. M L Pandya& R. P .S .Yadav, *Elements of Nuclear Physics*,Kedaar Nath & Ram Nath ,2000.
3. SatyaPrakash, *Nuclear Physics*, A Pragati Prakasan Publication, 2011.
4. Jahan Singh, *Fundamentals of Nuclear Physics*, A Pragati Publication, 2012.
5. D.C.Tayal, *Nuclear Physics*, Himalaya Publishing House, 2009.

CORE COURSE IX
THEORETICAL PHYSICS

Objective:

To know the facts and develop a unified and logical treatment of the subject matter with clarity and conciseness.

UNIT I Fundamental Principles and Lagrangian Formulation

Mechanics of a particle and system of particles – Conservation laws – Constraints – Generalized coordinates – Principle of virtual work-D’Alembert’s principle and Lagrange’s equation – Hamilton’s principle –Lagrange’s equation of motion – conservation theorems and symmetry properties –Atwood’s machine – Simple pendulum.

UNIT II Hamilton’s Formulation

Hamilton’s canonical equations of motion – Hamilton’s equations from variational principle –Principle of least action – Phase space – Generalized momentum – Cyclic co-ordinates –Conservation theorem for generalized momentum – Conservation theorem for energy

UNIT III Dual Nature of Matter

De Broglie concept of matter waves – De Broglie wavelength – Wave velocity and group velocity for the De Broglie waves – Experimental study of matter waves – Davison and Germer experiment – G.P. Thomson’s experiment for verifying De Broglie relation – Heisenberg’s uncertainty Principle – Electron microscope – Gamma ray microscope.

UNIT IV Basics of Quantum Mechanics

Basic postulates of wave Mechanics – Development of Schrödinger wave equation – Time independent and dependent forms of equations – Properties of wave function – Orthogonal and normalized wave function Eigen function and eigen values – Expectation values and Ehrenfest’s theorem.

UNIT V Exactly Solvable Quantum Systems

Linear harmonic oscillator – Particle in a box –Rectangular barrier potential –Rigid rotator – Hydrogen atom.

Books for study:

1. S.L.Gupta., V. Kumar and H.V.Sharma, Pragathi Prakasan, *Classical Mechanics* Educational Publisher, Meerut, 25th edition, 2011.
2. Murugesan, R., *Modern Physics*, S.Chand & Co., New Delhi, 2006.

Books for Reference:

1. Arthur Beiser, *Concept of Modern Physics*: McGraw Hill Ed. V (1999).
2. H.Goldstein, *Classical Mechanics*, Narosa Book distributors, New Delhi 1980.
3. N.C.Rana and P.S.Joag, *Classical Mechanics*, Tata Mc Graw Hill, New Delhi 1991.
4. P M. Mathews and K. Venkatesan, *A Text Book of Quantum Mechanics* ,Tata McGrawHill, New Delhi, 1987.

CORE PRACTIAL IV

(Any Twelve Experiments)

Objective:

To provide an indepth knowledge and skill in Electronics, C- Programming and Micro Processor.

SECTION – A

(Any Eight Experiments)

1. Koenig's method – Uniform bending.
2. Spectrometer - Grating-minimum deviation method
3. Spectrometer – Grating - dispersive power.
4. Spectrometer - Cauchy's constants.
5. M and H - Absolute determination using deflection and vibration magnetometer.
6. Potentiometer - High range Voltmeter calibration.
7. B.G. Absolute capacity of condenser.
8. Emitter follower amplifier - Frequency response.
9. Colpitt's oscillator using transistor.
10. Astable multi-vibrator using Transistor/op.amp
11. Monostable multi-vibrator using Transistor/op.amp.
12. FET amplifier – Common source.
13. Verification of Boolean Laws (any four.)
14. NAND as universal gate.
15. NOR as universal gate.

SECTION - B - MICROPROCESSOR 8085.(Any Two)

1. 8-bit addition and 8-bit subtraction.
2. 8-bit multiplication and 8-bit division.
3. Conversion from decimal to hexadecimal system.
4. Conversion from hexadecimal to decimal system.
5. Conversion from binary to hexadecimal.
6. Conversion from hexadecimal to binary.

SECTION- C - COMPUTER PROGRAMMING IN C (Any TWO)

1. Conversion of Centigrade into Fahrenheit.
2. Arranging numbers in ascending order/descending order.
3. Calculation of volume of sphere/cone/cube/rectangular cuboid.
4. Solving quadratic equation.
5. Sum of digits of a series.

Books for Study :

1. Dr.S.Somasundaram , *Practical Physics*, Apsara publications, Tiruchirapalli , 2012.
2. Department of Physics, *Practical Physics*, (B.Sc Physics Main), St. Joseph's College, Tiruchirapalli 1998.

Books for Reference:

1. S.Srinivasan, *A Text Book of Practical physics*, S.Sultan Chand publications, 2005.
2. R. Sasikumar, *Practical Physics*, PHI Learning Pvt. Ltd, New Delhi, 2011.

MAJOR BASED ELECTIVE II
MICROPROCESSOR AND 'C' PROGRAMMING

Objective:

The purpose of this course is to introduce students about the key features and implementation of C language and 8085 Microprocessor assembly.

UNIT I Basics of Digital Computer

Basic components of a digital computer - Evolution of microprocessors - Important INTEL microprocessors - Hardware, Software and Firmware - Memory - Semiconductor memories - RAM,ROM - Flash memory - CCD memory - Cache memory - Buses.

UNIT II Intel 8085 and its Architecture

INTEL 8085 - Pin Diagram - Architecture - Various registers - Status Flags - Interrupts and their order of priority - Addressing modes - Direct, Register, Register indirect, Immediate and implicit addressing - Instruction set - Data transfer group - Arithmetic Group - Logical group - Branch group, Stack, I/O and Machine control group.

UNIT III Assembly Language Programming

Addition - subtraction - multiplication -division of two 8- bit numbers - Finding the largest and smallest number in a data array-Arranging a list of numbers in ascending or descending order-complement - shift - mask-look up table- multibyte addition and subtraction -decimal addition - subtraction.

UNIT IV Introduction To C

Basic Structure of C Programs - Character set - C tokens - Keywords and identifiers - constants - variables - Data types - declaration of variables - Assigning values to variables - Symbolic constants - Operators and Expressions - Arithmetic operators - Relational, Logical and Assignment operators, Increment and Decrement operators - Conditional operator, Bitwise and Special operators-Arithmetic Expressions - Mathematical functions.

UNIT V Preliminaries And Functions

Data input and output - getchar, putchar, scanf, printf, gets, puts functions - Decision making and branching -if, if...else, else if ladder, switch, break, continue, goto - Decision making and looping - while, do... while, for, nested loops -Arrays (one-, two- and multi-dimensional arrays)- Declaration, Initialization of arrays.

Books for study:

1. B. Ram - *Fundamentals of Microprocessors and Microcontrollers*-Dhanpat Rai Publications (P) Ltd., New Delhi, 2013.
2. E. Balagurusamy - *Programming in ANSI C* - Tata McGraw Hill Education Private Limited, New Delhi,2012.

Books For Reference:

1. R. S.Gaonkar- *Microprocessor Architecture, Programming, and Applications with the 8085*, Penram International Publishing (India) Private Limited, Mumbai, 2007.
2. K. R. Venugopal and S. R. Prasad - *Programming with C* - Tata McGraw-Hill Publishing Company Limited, New Delhi, 2002.

MAJOR BASED ELECTIVE III COMMUNICATION PHYSICS

Objective:

To promote scientific temper among students and update the basic functioning of various communication systems.

UNIT I Radio transmission and reception

Transmitter-modulation-need for modulation- types of modulation-amplitude, frequency and phase modulation- modulation factor-sideband frequencies in AM wave-limitations of amplitude modulation - frequency modulation-block diagram of AM and FM Transmitter.

Receiver- demodulation-AM & FM radio receivers-super heterodyne radio receiver.

UNIT II Fiber Optic Communication

Introduction –structure of optical fiber –total internal reflection in optical fiber – principal and propagation of light in optical fiber - acceptance angle - numerical aperture – types of optical fibers based on material – number of modes – refractive index profile - fiber optical communication system (block diagram) - fiber optic sensors – Temperature sensor – fiber optic endoscope.

UNIT III Radar Communication

Basic radar system -Radar range –Antenna scanning – Pulsed radar system - A-Scope- Plan position indicator- Tracking radar- Moving target indicator- Doppler effect-MTI Principle- CW Doppler Radar- Frequency modulator CW Radar.

UNIT IV Satellite Communication

Introduction – history of satellites – satellite communication system – satellite orbits – classification of satellites – types of satellites – basic components of satellite communication – constructional features of satellites- multiple access – communication package – antenna- power source – satellite foot points- satellite communication in India.

UNIT V Mobile Communication

GSM – mobile services- concept of cell – system architecture – radio interface – logical channels and frame hierarchy – protocols – localization and calling – Handover- facsimile (FAX) – application – VSAT (very small aperture terminals) – Modem – IPTV (internet protocol television) – Wi-Fi - 3G (Basic ideas only).

Books for Study:

1. Metha V.K., *Principles of Electronics*, S. Chand & Company Ltd., 2013
2. Anokh Singh and Chopra A.K., *Principles of communication Engineering*, S. Chand & Company PVT. Ltd., 2013.
3. Mani I. P., *A text book of Engineering Physics*, Dhanam Publications, Chennai-42, 2014.

Books for Reference:

1. Poornima Thangam I, *Satellite communication*, Charulatha Publications, 2012.
2. Dennis Roddy and John Coolen, *Electronic Communication*, PHI, 1990.
3. William C.Y. lee, *Cellular telecommunication* (second edition), Tata Mcgraw hill, 1991.



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI 620 024

Bachelor of Social Work (BSW) Programme under CBCS

(Applicable to the candidates admitted from the academic year 2016-2017 onwards)

Semester	Part	Course Structure	Course Code	Course title	Ins Hrs/Week	Credits	Exam Hrs.	Marks			
								CIA	UE	Total	
I	I	Language Course-I	LC I	Tamil*/ Other Languages+ #	6	3	3	25	75	100	
	II	English Lang. Course-I	ELC II	English Language	6	3	3	25	75	100	
	III		Core Course-I	CC I	Foundation in Social Work	6	5	3	25	75	100
			Core Course-II	CC II	Indian Social Problems	6	5	3	25	75	100
			Allied Course-I	AC I	Structure of Indian Society	4	3	3	25	75	100
	IV	Value Education	VE	Value Education	2	2	3	25	75	100	
			Total			30	21				600
II	I	Language Course -II	LC II	Tamil*/ Other Languages + #	6	3	3	25	75	100	
	II	English Lang. Course-II	ELC II	English Language	6	3	3	25	75	100	
	III		Core Course-III	CC III	Direct Methods of Social Work	6	5	3	25	75	100
			Core Course-IV	CC IV	Human Growth and Development	6	5	3	25	75	100
			Allied Course-II	AC II	Social Welfare Administration	4	3	3	25	75	100
	IV	Environmental Studies		Environmental Studies	2	2	3	25	75	100	
			Total			30	21				600
III	I	Language Course-III	LC III	Tamil*/ Other Languages + #	6	3	3	25	75	100	
	II	English Lang. Course-III	ELC III	English Language	6	3	3	25	75	100	
	III		Core Course-V	CC V	Introduction to Social Work Research	6	5	3	25	75	100
			Core Course-VI	CC VI	Field Work Practicum	6	5	3	40	60	100
			Allied Course-III	AC III	Introduction to Labour Welfare and Labour Legislations	4	3	3	25	75	100
	IV	Non Major Elective I - for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10th +2 but opt for other languages in degree programme	NME I	Human Rights	2	2	3	25	75	100	
			Total			30	21				600

IV	I	Language Course-IV	LC IV	Tamil*/ Other Languages + #	6	3	3	25	75	100
	II	English Lang. Course-IV	ELC IV	English Language	6	3	3	25	75	100
	III	Core Course-VII	CC VII	Introduction to Medical and Psychiatric Social Work	5	5	3	25	75	100
		Core Course-VIII	CC VIII	Field Work Practicum	5	5	3	40	60	100
		Allied Course-IV	AC IV	Fundamentals of Statistics	4	3	3	25	75	100
	IV	Non Major Elective - II - for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto 10th +2 but opt for other languages in degree programme	NME II	Contemporary Social Issues and Problems	2	2	3	25	75	100
		V	Skill Based Elective I	SBE I		2	2	3	25	75
			Total		30	23				700
V	III	Core Course- IX	CC IX	Theories of Social Work	5	5	3	25	75	100
		Core Course- X	CC X	Social Legislations	5	5	3	25	75	100
		Core Course-XI	CC XI	Family and Child Welfare	5	5	3	25	75	100
		Core Course-XII	CC XII	Introduction to Counselling	5	5	3	25	75	100
		Major Based Elective-I	MBE I	Disaster Management	4	3	3	25	75	100
	IV	Skill Based Elective-II	SBE II		2	2	3	25	75	100
		Skill Based Elective- III	SBE III		2	2	3	25	75	100
		Soft Skill Development		Soft Skill Development	2	2	3	25	75	100
			Total		30	29				800
VI	III	Core Course- XIII	CC XIII	Correctional Social Work	6	5	3	25	75	100
		Core Course- XIV	CC XIV	Community Development	6	5	3	25	75	100
		Core Course-X V	CC XV	Field Work Practicum	6	5	3	40	60	100
		Major Based Elective-II	MBE II	Welfare of persons with disability	5	4	3	25	75	100
		Major Based Elective-III	MBE III	Social Work in Industry	6	4	3	25	75	100
	IV			Gender Studies	1	1	3	25	75	100
				Extensions Activities		1				
		Total		30	25				600	
		Grand Total		180	140				3900	

Language Part-I	4
English Part-II	4
Core Paper	15
Allied Paper	4
Non-Major Elective	2
Skill Based Elective	3
Major Based Elective	3
Environmental Studies	1
Value Education	1
Soft Skill Development	1
Gender Studies	1
Extension Activities	1

- * For those who have studied Tamil up to 10th +2 (Regular Stream)
- + Syllabus for other Languages should be on par with Tamil at degree level
- # Those who have studied Tamil up to 10th +2 but opt for other languages in the degree level under Part I should study special Tamil in Part IV.
- ** Extension Activities shall be outside instruction hours
- *** Non Major Elective I &II- for those who have studied Tamil under Part I
 - a. Basic Tamil I &II for other language students
 - b. Special Tamil I&II for those who have studied Tamil up to 10th +2 but opt for other languages in degree programme.

Evaluation:

S.N	Components	Internal (CIA)		External (UE)		Total	
		Passing Minimum	Maximum	Passing Minimum	Maximum	Passing Minimum	Maximum
1	Theory	10	25	30	75	40	100
2	Field Work	16	40	24	60	40	100

Separate passing minimum is prescribed for Internal and External

The passing minimum for Internal (CIA) shall be 40 % out of 25 marks (i.e.10 marks)

The passing minimum for External (UE) shall be 40 % out of 75 marks (i.e. 30 marks)

Note:

Skilled Based Elective Course	List already communicated
Extension Activities	Existing practice will be continued
Environmental Studies	Existing UGC syllabus will be continued
Value Education	Syllabi will be sent
Basic Tamil	
Special Tamil	

jkpo nkhopg;ghlk; jw;NghJ toq;fg;gLk ep iyapy; njhlh;e;J toq;fg;gLfpwJ. 4 jhs;fs; - Kjy; ,uz;lhk; %d;whk; , ehd;fhk; gUtk;.

Course Title: **FOUNDATION IN SOCIAL WORK**

Semester : I

Core Course : I

Core Course : CC I

Part III

Introduction: The aim of this course is to introduce students to the various aspects of social work such as its historical background and various approaches.

Course Objectives:

1. To develop an insight into the historical context of origin and development of social work Profession.
2. To impart social and religious ideologies of India for change.
3. To create an understanding about the theoretical framework of the subject.
4. To infuse a philosophical foundation and value base of social work profession.

Unit 1: Historical context of Origin and Growth: meaning and objectives of social work – related concepts- history of social work in UK, USA, and **India-philosophy and principles-values and ethics**

Unit 2: Social work as profession – social work education in India-professional associations- inter relationship among social work methods and fields of social work- field work in social work -voluntary social services and professional social work. **Modern Indian social thought-Vivekananda, Aurobindo, Gopal Krishna Gokhale, Gandhi, & Radhakrishna**

Unit 3: Religious Ideologies for Change: Hinduism- (Four Values) Dharma, Artha, Kama, and Moksha; **Christianity-** Supreme value of man, concepts of love & services; **Islam-** Equality and service to the poor; **Reform movements in India :** Hinduism, Buddhism, Jainism Christianity, Islam, and Sikhism; Brahma Samaj, Arya Samaj, Ramakrishna Mission and Theosophical Society - Dalit and labour and Gandhian movements. **(Only the basic aspects of the reform movements must be taught).**

Unit 4: Approaches: Classical approach, Neo classical approach, humanistic approach, **feministic approach,** behaviour approach, task centered, and person centered approach, and radical and eclectic approach; system theory and role theory. **(Only the special features of the theory/approaches must be taught).**

Unit 5:Welfare State: Concept; role of state and voluntary agencies in the field of social welfare;

Text books:

Friedlander, W. A., & Apte, R. Z. (1968). Introduction to social welfare (p. 389). Englewood, NJ: Prentice-Hall.

Rameshwari Devi & Ravi Prakash.(1998). Social work and Social Welfare Administration (Method and Practice). Jaipur : Mangal Deep Publication.

References:

Heimsath, C. H. (2015). Indian nationalism and Hindu social reform. Princeton University Press.

Kumar, J. An Introduction to Social Work, NewDelhi: Anmol Publication Pvt, Ltd.

Mudgal ,S.D. (1997) An Introduction to Social Work, Book Enclave, Jaipur,.

Muzunden, A.M. (1964). Social Welfare in India, Bombay, Asia Publishing House.

Natarajan, S. (1959). A Century of Social Reforms in India. Bombay: Asia Publishing House

Prabhu, P. H. (1991). Hindu social organization: A study in socio-psychological and ideological foundations. Popular Prakashan.

Radhakrishnan, S. (1927). The Hindu view of life. Bombay: George Allennuna

Sarma, D. S. (1973). Hinduism through the Ages (Vol. 37). Bharatiya Vidya Bhavan.

Woodroffe, K. (1974). From charity to social work in England and the United States. Routledge & Kegan Paul.

Course Title: **INDIAN SOCIAL PROBLEMS**

Semester : I

Core Course : II

Course code : CC II

Part III

Introduction: The aim of this course is to inform the students about the social problems in the Indian context.

Course objectives:

1. To familiarise the students with the concept of poverty and dependency.
2. To inform the students about beggary and the role of the government in preventing it.
3. To highlight the issue of **alcoholism** and drug addiction.
4. To teach students about the issue of juvenile delinquency.

Unit 1:

Poverty: definition, types, causes, and consequences; dependency, definition, causes; care of the dependants; relation between poverty and dependency; new economic policies and its consequences; **beggary:** definition – causes – types, ways; rehabilitation measures of the government.

Unit 2:

Untouchability: definition, causes, and consequences; forms of untouchability, measures to prevent untouchability; intercaste marriages- issues and problems; problems of minorities and the marginalised.

Unit 3:

Public issues in India: nutritional deficiencies and preventive health, and communicable diseases.

Prostitution: definition, types, causes – implications and rehabilitative measures.

Unit 4:

Addiction: alcoholism – causes / implications, prevention and prohibition, causes of success & failure of prohibition, drug addiction – meaning, types of drugs – causes of addiction and teenagers – effects – remedial measures and de-addiction.

Unit – 5

Child labour; definition, causes, and consequences; **juvenile delinquency:** definition – causes – consequences, vagrancy, truancy, street children – prevention – reformation of delinquents.

Text book:

Madan, Gurmukh Ram. *Indian social problems*. Allied publishers, 1975.

References:

Athreya, Venkatesh, B., & Chuukkath, S.R. (1996). *Literacy and Empowerment*. New Delhi: College Pub.

Bhattacharyya, S. K. (1994). *Social Problems in India: Issues and Perspectives*. Regency Publications.

Kornblum, W., & Julian, J. (1975). *Social Problems* (8th Ed) Prentice Hall Inc.,

Lemert, E. M. (1951). *Social pathology; A systematic approach to the theory of sociopathic behavior*.

Merton, R. K., & Nisbet, R. A. (1976). *Contemporary social problems* (Vol. 2). Harcourt Sage Publishing.

Sharma, B. (1990). *Juvenile Delinquents and their social culture*. Uppal Publishing House.

Stanley, S (2004). *Social Problems in India: Perspectives for Intervention*. New Delhi: Allied Publishers.

Sunil (1990). *Social Problems in India – Issues & Perspectives*. New Delhi: Regency Publications House.

Course Title: **STRUCTURE OF INDIAN SOCIETY**

Semester : I

Allied Course: I

Course code : AC I

Part III

Introduction: The purpose of this course is to enlighten the students on the structure of Indian society.

Course objectives:

1. To teach the students about the concept of society, community, and social groups.
2. To familiarise the students with the concept and functions of culture and related aspects.
3. To inform the students about social stratification.
4. To teach the students about family and related aspects.
5. To highlight the concept of social control and social change.

Unit 1:

Society: definition and elements, group, community, associations, organisation and institutions. social work its relationship with social sciences.

Unit 2:

Culture: definition and role and function of culture; cultural lag; culture norms; Civilisation Socialisation and its agencies; role and status

Unit 3:

Social Stratification: concept, determinants, caste, class, and race. social mobility and social inequality

Unit 4:

Family: structure and functions of family, types, influences of other agents of socialisation, changes in Indian family and its consequences on the individual and society; family disorganisation. **Marriage:** meaning and types.

Unit 5:

Social change: definition, process, theories, agents of social change, factors of social change, westernisation; westernisation, and modernisation- social disorganisation and social deviance

Social control: kinds of social control, values, norms, folkways, mores and laws.

Text books:

Vidya Bhusan & Shachdeva (1989) *An Introduction to Sociology*. Allahabad: Kita Mahal Publicaton.

References:

Bottomore, T. B. (2010). *Sociology (Routledge Revivals): A guide to problems and literature*. Routledge.

Kapadia, K. M. (1966). *Marriage and family in India* (pp. 117-217). Bombay: Oxford University Press.

Kumar A. (2002.) *Structure of Society*. New Delhi: Anmol Publications.

Kumar, S. (1983). *Principles of Sociology*. New Delhi: New Heights publishers and Distributors. Publishing Company.

Sachchidananda. (1988.). *Social Change in village India*. Ashok Kumar Mittal Concept

Singh, K. (2001). *Social control &Social Change*. Lucknow: Prakashan Kendra

Srinivas, M. N. (1957). Caste in modern India. *The Journal of Asian Studies*, 529-548.

Tumin, M. M. (1967). *Social stratification* (Vol. 5). Englewood Cliffs, NJ: Prentice-Hall.

Course Title: **DIRECT METHODS OF SOCIAL WORK**

Semester : II

Core Course : III

Course code : CC III

Part III

Introduction: The purpose of this course is to inform students about the direct methods of social work.

Course Objectives:

1. To introduce the students to Social Case Work and related aspects.
2. To familiarise the students with Social Group Work and related aspects.
3. To teach the students about Community Organisation and the role of community organisers.
4. To inform the students about the various settings in which Social Case Work can be practiced.
5. To enlighten the students about the various settings in which Social Group Work can be practiced.

Unit 1:

Social Case Work: definition, objectives, principles and basic concepts, intake, study, diagnosis and treatment, evaluation, termination, and follow up.

Unit 2:

Social Group Work: definition, objectives, principles; types of groups, group processes; group work processes.

Unit 3:

Community organisation: definition of community organisation, principles, process and resource mobilisation, and role of community organisers.

Unit 4:

Social case work practice: in medical/psychiatric/ industrial/school and community settings, and role of a case worker.

Unit 5:

Social group work practice in medical/psychiatric/industrial/school settings, and role of a group worker.

Text books:

Gangrade, K. D. (1971). *Community organization in India*. Bombay: Popular Prakashan.

Misra.P.D. (1994) *Social Work Philosophy and Methods*. New Delhi: Inter India Publications.

Siddiqui. H.Y. (2008). *Group Work – Theories and Practices*. Jaipur: Rewat publications.

References:

Garvin. D., & Charles et. al. (2007). *Handbook of Social Work with Groups*. Jaipur: Rewat publications.

Gore, M. S. (1965). *Social work and social work education*. Bombay; New York: Asia Publishing House.

Konopka, G. (1972). *Social group work: A helping process*. Prentice-Hall.

Kumar, J.L. (2002). *Social Work and Community Development*. New Delhi: Anmol Publications Pvt. Ltd.

Course Title: **HUMAN GROWTH AND DEVELOPMENT**

Semester : II

Core Course : IV

Course code : CC IV

Part III

Introduction: The aim of this course is to teach students about the various stages of human growth and development.

Course objectives:

1. To teach the students about the meaning of growth and development, the various stages, and other aspects.
2. To inform the students about the causes and age of puberty.
3. To familiarise the students with the developmental tasks of early adulthood.
4. To enlighten the students with the developmental tasks of middle age.
5. To teach the students about the characteristics of old age.

Unit 1

Meaning of Growth and Development: development tasks, development stages:
conception

pregnancy & delivery

Infancy : Major adjustment of infancy.

Babyhood : Emotional behaviour in babyhood – Hazards of babyhood.

Early childhood : Emotional and Social Behaviour.

Late childhood : Emotional and Social Behaviour.

Unit 2

Causes and age of puberty: body changes at puberty – effects of puberty changes, adolescence – developmental tasks of adolescence, emotional, and social aspects of adolescence.

Unit 3

Developmental tasks of early adulthood: vocational, marital, social adjustment – late adulthood – adjustment to parenthood.

Unit 4

Developmental tasks of middle age: social adjustment – adjustment to physical changes – vocational and marital hazards of middle age.

Unit 5

Characteristics of old age: development task of old age, adjustment to retirement – adjustment to loss of spouse – life hazards of old age.

Text book:

Hurlock, E. B. (2001). *Developmental psychology*. Tata McGraw-Hill Education.

References:

Eagly, A. H., & Chaiken, S. (1993). *The psychology of attitudes*. Harcourt Brace Jovanovich College Publishers.

English, O. S., & Pearson, G. H. J. (1963). *Emotional problems of living*.

Hasan, Q. (1997). *Personality Assessment: A Fresh Psychological Look*. Gyan Publishing House.

Thompson, G. G. (1952). *Child psychology*.

Wrightsman, L. S. (1994). *Adult Personality Development: Volume 1: Theories and Concepts*. Sage Publications.

Course Title: **SOCIAL WELFARE ADMINISTRATION**

Semester : II

Allied Course: II

Course code : AC II

Part III

Introduction: The purpose of this course is to introduce to students to social welfare administration and related aspects.

Course objectives:

1. To introduce the students to the concept of administration and Social Work Administration.
2. To inform the students about the basic administrative processes.
3. To teach the students about Personnel Administration and related concepts.
4. To enlighten the students about Public Relations and related concepts.
5. To teach the students about voluntary organisations and related concepts.

Unit 1: Social Welfare Administration: Concept, importance, definition, goals, types of administration, and definition and nature of social welfare administration.

Unit 2: Process of social welfare administration: planning, organising, staffing, decision making, coordination, recording and budgeting, and communication.

Unit 3: Selection and induction: staff selection, induction, training, orientation, placement, service conditions, discipline, staff morale, and supervision and evaluation.

Unit 4: Public relations: meaning, need for public relations, principles, use of different media, and fund raising.

Unit 5: Registration procedure; role of voluntary organisation in social welfare; functioning of boards and committees.

Text book:

Paul Chowdary. (1992.). *Social Welfare Administration*. Atma ram & sons

References:

Cox III, R. W., Buck, S., & Morgan, B. (2015). *Public administration in theory and practice*. Routledge.

Goel, S. L., & Jain, R. K. (1988). *Social Welfare Administration-Organization and Working. Vol. II, New Delhi, Deep and Deep Publication.*

Guthrie, G. (2010). *Basic research methods: An entry to social science research*. SAGE Publications India.

Kulkarni, V. M. (1972). *Essays in social administration*. Research [Publications in Social Sciences.

Moore, H. F., & Canfield, B. R. (1977). *Public relations: principles, cases, and problems* (Vol. 12, p. 5). RD Irwin.

Sachadeva, D.R. (1998). *Social welfare Administration –in India*. New Delhi: Kitab Mahal.

Street, E. (1948). *A handbook for social agency administration*. Harper.

Urwick, L. (1943). *Elements of administration*.

Young, P. (2000). *Mastering social welfare*. Palgrave Macmillan.

Course Title : **INTRODUCTION TO SOCIAL WORK RESEARCH**
Semester : III
Core Course : V
Course code : CC V
Part III

Introduction: The purpose this paper is to introduce the students to basic social work research.

Course objectives:

1. To introduce the students to research, social work research, and related aspects.
2. To familiarise the students with the research design, sampling, and related aspects.
3. To teach the students about social survey and case study
4. To inform the students about data collection, processing, presentation, and related aspects.
5. To teach the students about data analysis and report writing.

Unit 1

Research: concept, objectives, characteristics, ethics, and qualities of good researcher.
Social work research: meaning, objectives, importance: difference between social research & social work research; steps in research;

Unit 2

Selection of problem: criteria and sources; surveying the field; **Literature review:** purpose; using library and internet, library ethics: **Defining the problem:** need and significance of the problem; **Hypothesis:** meaning, sources, characteristics, and types;

Unit 3

Research design: meaning and types- exploratory, descriptive, diagnostic, quasi experimental and single subject research designs;

Unit 4

Universe and sampling: meaning, principles, types and techniques. **Tools/instrument:** steps involved in tool construction; **Sources of data:** primary and secondary data.

Unit 5

Data collection: types of data, data collection methods: questionnaire, interview schedule and observation (participatory and non participatory); data processing; transcription, presentation of data: tabular and graphical presentation. **Data Analysis:** univariate, bivariate and multivariate analysis; interpretation: meaning, techniques. **Report writing:** content and format; research abstracts, footnotes, referencing: meaning methods of referencing; bibliography: meaning; difference between referencing and bibliography; research report preparation

Text book:

Kothari, C. R. (2004). *Research methodology: Methods and techniques*. New Age International.
Laldas, D. K. (2000). *Practice of social Research*. Rawat Publication Jaipur.

References:

Anderson, Jonathan, Millicent Eleanor Poole, and Berry H. Durston. *Thesis and assignment writing*. J. Wiley and Sons Australasia, 1970.

Denzin, N. K. (1973). *The research act: A theoretical introduction to sociological methods*. Transaction publishers.

Giddens, A. (1988). *Social theory today*. Stanford University Press.

Goode, W. J., & Hatt, P. K. (1952). *Methods in social research*.

Nachmias, D., & Nachmias, C. (1976). *Research methods in the social sciences*.

Ramachandran, P. (1993). *Survey Research for Social Work: A Primer*. Institute for Community Organization Research.

Rubin, A., & Babbie, E. (2016). *Empowerment Series: Research Methods for Social Work*. Cengage Learning.

Singleton Jr, R. A., Straits, B. C., & Straits, M. M. (1993). *Approaches to social research*. Oxford University Press.

Young, P. V., & Schmid, C. F. (1939). *Scientific social surveys and research*.

Course Title : **FIELD WORK PRACTICUM**

Semester : III

Core Course : VI

Course code : CC VI

Part III

Course objectives:

1. To orient the students to different settings of field work practice.
2. To understand the functioning of voluntary and governmental agency in these settings.
3. To develop skills in observation and report writing.

Nature of field work practice:

Students are to be taken for observation visits to different agencies / organisations/settings of social work practice. Current social problems can be studied by students in groups and presented in seminars.

The following settings are suggested:

1. Organisation for rehabilitation of persons with disability.
2. De-addiction and de-toxification.
3. Orphanages and destitute homes.
4. Approved schools.
5. Sanatorium / Hansonorium.
6. Psychiatric settings.
7. Slum visit & village visit.
8. General hospitals.
9. Homes for mental retardation / spastic society.
10. Organisations work for upliftment of worker sections.

At least 10 visits to the above mentioned settings to be made in the IIIrd semester. Students to be given classroom orientation regarding the agency/ setting prior to the field visit. Students are expected to write and submit detailed reports of their observation & remarks for each visit. Analysis and discussion to be held following report submission.

Evaluation

Internal:	Marks
1. Attendance in field work	5
2. Regularity in submitting reports	5
3. Observation during the visit	30
Total	40

External evaluation and viva

I. Reporting	- 20 marks
II. Viva	
1. Theoretical Knowledge	- 25 marks
2. Communication and Presentation	- 15 marks

Total 60 marks

References:

Singh, R.R. (1985) *Field work in Social Work Education*

Course Title : **INTRODUCTION TO LABOUR WELFARE AND LABOUR LEGISLATIONS**

Semester : III

Allied Course: III

Course code : AC III

Part III

Introduction: The goal of this course is to introduce students to labour welfare and labour legislations.

Objectives:

1. To introduce the students to the concept of labour welfare.
2. To teach students some important labour relations legislations.
3. To inform students about employment legislations.
4. To throw light on legislations concerning social security.
5. To enlighten students on wage legislations.

Unit – I

Labour welfare: concept, objectives, principles, history, scope, and types; theories of labour welfare; labour problems: absenteeism, addiction, indebtedness, family distress; types of welfare services; labour welfare agencies in India; labour welfare officer: duties and functions.

Unit – II

Labour relations legislations: Factories act 1948. The Plantation Labour Act 1951, Indian Mines Act 1952, Apprentices act 1961, The Trade Union Act 1926 and Trade Union Movements in India; Tamil Nadu Shops and Establishment Act 1947, Tamil Nadu Industrial Establishment (national and festival holidays) Act 1951.

Unit – III

Employment legislations: Industrial Disputes Act 1947; The Industrial Employment (Standing Orders) Act 1946, Employment Exchanges (Compulsory Notification of Vacancies) Act 1959, Employment Of Children Act 1938.

Unit – IV

Social security legislations: Workmen's Compensation Act 1923, Employees State Insurance Act 1948, Employees Provident Funds and Miscellaneous Provisions Act, 1952 including the pension scheme 1995; the Maternity Benefit Act 1961, Payment of Gratuity Act 1972, Employees Compensation Act 1952 - Contract Labour (Regulation & Abolition) Act, 1970.

Unit – V

Wage legislations: The Payment of Wages Act 1936, The Minimum Wages Act 1948, The Payment of Bonus Act 1965, The Equal Remuneration Act, 1976

Note: Only the salient features of the legislations must be taught.

Text books:

Potdar, B.R. & Girish Patwardhan, *Encyclopedia of Labour & Industrial Laws, Volume I&II*. Wadhwa & Company, Indore, 2006.

Punekar, S.D., Deodhar, S.B., & Sankaran, S. *Labour Welfare Trade Unionism and Industrial Relations* Himalaya Publishing House, Bombay, 1992.

References:

Ashdir, Vijay. *Management of Industrial Relations*. Kalyani Publishers, 2003.

Bhangoo, Kesar Singh. *Dynamics of industrial relations*. Deep & Deep Publications, 1995.

Giri, Varahagiri Venkata. "Labour problems in Indian industry." (1960).

I.L.O. *Labour Legislation*. 1980

Monappa, Arun. "Industrial Relations, Ninth print (1995)."

Myers, Charles Andrew, and Subbiah Kannappan. *Industrial relations in India*. Asia Publishing House, 1970.

Prasad NGK. *Factories Law and Rules applicable to TN State, Vols. I, II, III, IV*. Madras Book Agency. 1978.

Saxena, R. C. *Labour Problems and Social Welfare*. Jai Prakash Nath, 1963.

Srivastava, Suresh C. *Industrial relations and labour laws*. Vikas Publishing House Pvt Ltd, 2007.

Course Title: - HUMAN RIGHTS

Non Major Elective Course I (for other than Social Work students)

Semester No III

Course Code : NME-I

Part : IV

Introduction: This course will introduce students to the concept of human rights and all other related aspects.

Course Objectives:

1. To make students understand the meaning of human rights and related aspects.
2. To enlighten students on the universal declaration of human rights.
3. To inform students about the Indian constitutional guarantee of human rights.
4. To make students aware about the violation of human rights.
5. To teach students about voluntary organisations working at the international, national, and state level.

Unit – I

Meaning of Human Rights – Kinds of human rights – Theories of human rights – The concept of human rights – The concept of liberty and equality – Promotion and protection of human rights by the United Nations. History and Development of Human rights concepts.

Unit – II

The universal declaration of human rights – preparation – preamble and enumeration of rights in the declaration – India and the universal declaration.

Unit – III

Indian constitutional guarantee of human rights – preamble, fundamental rights – Directive principles of state policy – Recent amendments of Indian constitution.

Unit – IV

Violation of human rights – women – children – workers – prisoners – Scheduled Caste and Tribes.

Unit – V

Human rights and voluntary organisation at International, National and State level – Human rights commissions in India – National human rights commission – Its constitution – power and functions – Human rights court in districts.

Text book:

Donnelly, Jack. *Universal human rights in theory and practice*. Cornell University Press, 2013.

References:

Agarwal, Hari Om. *International Law & Human Rights*. Central law publications, 2008.

Sieghart, Paul. *The international law of human rights*. Oxford University Press, 1983.

Jones, Peter. "Human rights, group rights, and peoples' rights." *Human Rights Quarterly* 21.1 (1999): 80-107.

Course Title: INTRODUCTION TO MEDICAL AND PSYCHIATRIC SOCIAL WORK

Semester No IV
Allied Course : VII
Course Code : CCVII
Part : III

Introduction: The purpose of this paper is to introduce students to medical and psychiatric social work.

Objectives:

1. To make students understand the meaning of medical social work
2. To introduce students to the concept of health and hygiene.
3. To make students understand the meaning of community health and related aspects.
4. To enlighten students on psychiatric social work.
5. To inform students and mental health and mental illness.

Unit I- Medical Social Work: meaning, objectives and skills of medical social workers; the role of a medical social worker in hospitals.

Unit II-Health and Hygiene: health, primary and public health-meaning, nutrition-meaning, balanced diet, malnutrition, deficiency diseases, prevention of malnutrition; hygiene-meaning, types of hygiene. food and environment; common health problems in India

Unit III-Community Health: community health: meaning, vulnerability assessment, emergency planning, training and education; PHC's- meaning, -functions and programmes. Chief's Minister's comprehensive health insurance scheme in Tamil Nadu -salient features; 108' emergency ambulance services-impact; indicators of health.

Unit IV- Psychiatric Social Work: psychiatric social work- meaning and objectives.

Unit V- Mental Health and Mental Illness: mental health: meaning, importance, community mental health- meaning, community mental health services; district mental health programmes- aims, objectives, salient features; mental illness: neurosis and psychosis: meaning and types; psychiatric assessment; case history taking and mental status examination, psychosocial assessment and treatment. role of psychiatric social workers in hospitals.

Text book:

Park, John Everett. "Textbook of preventive and social medicine.(A treatise on community health)." (1970)

References:

Brody, eb. "social dimensions of mental-health-world-health-org." (1983): 67-70.

Goel, S. L. *Public Health Administration*. Sterling Publishers Private, 1984.Kumar, Ram. *Social and preventive health administration*. APH Publishing, 1992.

Course Title: FIELD WORK PRACTICUM

Semester IV

Course code : CCVIII

Part III

Introduction:

Students will be given an opportunity of arranging a seven day social work camp in rural/tribal area.

Study tour programme is to be arranged to help the students to learn and compare the functioning of various agencies/settings of social work practice.

Students to be given proper orientation and pilot study experience prior to the camp.

Students are expected to write and submit detailed reports of their activities during their camp and observation, remarks of their visits during study tour programme.

Course Objectives:

1. To make students understand people and learn their culture.
2. To allow the students to explore their talents.

GUIDELINES FOR FIELD WORK EVALUATION

Evaluation:

Internal:	Marks
1. Attendance in field work	5
2. Regularity in submitting reports	5
3. Participation in camp activities	30
Total	40

External evaluation and viva

I. Reporting	- 20 marks
II. Viva	
1. Theoretical Knowledge	- 10 marks
2. Communication and Presentation	- 10marks
3. Individual participation and initiative-	20 marks

Total	60 marks

Course Title : **FUNDAMENTALS OF STATISTICS**
Semester : IV
Allied Course : IV
Course code : AC IV
Part : III

Introduction: The purpose of this paper is to introduce students to the fundamentals of statistics.

Course objectives:

1. To introduce the students to statistics and related aspects.
2. To teach the students about the measures of dispersion and related aspects.
3. To enlighten the students on correlation and related aspects.
4. To inform the students about the concept of index numbers and its uses.
5. To make students understand time series and related aspects.

Unit-1:

Statistics: definition, objectives, uses in social work, classification of data – meaning, objectives, types, formation of discrete, continuous, relative, and bivariate frequency distribution.

Unit 2:

Tabulation: meaning, types, and parts of a table, difference between classification and tabulation; general rules of tabulation.

Unit-3:

Measures of Central tendency: mean, median, and mode.

Unit-4:

Measures of Dispersion: range, inter quartile range, quartile deviation, Mean deviation and Standard deviation, Lorenz curve.

Unit – 5:

Diagrammatic and graphic presentation: types – one dimensional, two dimensional, pictographs, cartogram, techniques of constructing graphs, histogram, frequency polygon, smooth frequency curve, and ogives.

Text book:

Gupta, S.P. (1992). *Elementary Statistical Methods*. New Delhi: Sultan Chand & Sons.

References:

Anderson.T.W.,Introduction to Multivariate Statistical Analysis, New York : John Wiley & Sons

Chou, Y. (1975). *Statistics Analysis*. New York: Reinhart and Winston

David , J. (2009). *Statistics: A Very Short Introduction*. New York: Oxford University Press.

Gupta, S.C. (1993). *Fundamentals of Applied Statistics*. New Delhi: Sultan Chand & Sons,

Gupta, S.C. (2002). *Statistical Methods*. New Delhi: Sultan Chand & Sons.

Guthrie, G. (2010). *Basic research methods: An entry to social science research*. SAGE Publications India.

Mueller, John H., Schussler Karl F., and Costner, Herbert .L. *Statistical Reasoning in Sociology*, Boston: Houghton Mifflin, 1970.

Nagar. A.L. & Das, R.K. (1993). *Basic Statistics.*, New Delhi: Oxford University Press.

Salvatore, D. (1982). *Statistics and Econometrics*. New Delhi: McGraw Hill.

Speigal, M.R. (1992). *Theory and Problems of Statistics*. London: McGraw Hill Book Co.

Stigler & Stephen, M. (2002). *Statistics on the Table: The History of Statistical Concepts and Methods*. Cambridge: Harvard University Press

Course Title : **CONTEMPORARY SOCIAL ISSUES AND PROBLEMS**

Non Major Elective Course II (for other than Social Work students)

Semester : IV

Course code : NME-II

Part : IV

Introduction: The aim of this course is to inform the students about the social problems in the Indian context.

Course objectives:

1. To familiarise students with the concept of poverty and dependency.
2. To inform students about beggary and the role of the government in preventing it.
3. To highlight the issue of alcoholism and drug addiction.
4. To teach students about the issue of juvenile delinquency.

Unit – I

Poverty: definition, types, causes, and consequences; dependency, definition, causes; care of the dependants; relation between poverty and dependency; new economic policies and its consequences

Unit – II

Untouchability: definition, causes, and consequences; forms of untouchability, measures to prevent untouchability; intercaste marriages- issues and problems; problems of minorities and the marginalised.

Unit 3:

Prostitution: definition, types, causes - implications and rehabilitative measures. **Beggary:** Definition - Causes - types and rehabilitation measures.

Unit 4:

Alcoholism and Drug Addiction: alcoholism – causes / implications, prevention and prohibition, causes of success & failure of prohibition, drug addiction – meaning, types of drugs – causes of addiction and teenagers – effects – remedial measures and de-addiction.

Unit – 5

Child labour: definition, causes, and consequences ; **Juvenile delinquency:** definition – causes – consequences, vagrancy, truancy, street children – prevention – reformation of delinquents.

Text book:

Madan, Gurmukh Ram. *Indian social problems*. Allied publishers, 1975.

References:

Athreya, Venkatesh, B., & Chuukkath, S.R. (1996). *Literacy and Empowerment*. New Delhi: College Pub.

Bhattacharyya, S. K. (1994). *Social Problems in India: Issues and Perspectives*. Regency Publications.

Kornblum, W., & Julian, J. (1975). *Social Problems* (8th Ed) Prentice Hall Inc.,

Lemert, E. M. (1951). Social pathology; A systematic approach to the theory of sociopathic behavior.

Merton, R. K., & Nisbet, R. A. (1976). *Contemporary social problems* (Vol. 2). Harcourt Sage Publishing.

Sharma, B. (1990). *Juvenile Delinquents and their social culture*. Uppal Publishing House.

Stanley, S (2004). *Social Problems in India: Perspectives for Intervention*. New Delhi: Allied Publishers.

Sunil (1990). *Social Problems in India – Issues & Perspectives*. New Delhi: Regency Publications House.

Course Title : **THEORIES OF SOCIAL WORK**

Semester : V

Core Course- : IX

Course code : CC IX

Part : III

Introduction: The purpose of this course is to inform students about the various theories of social work.

Course Objectives:

1. To introduce students to theory and its importance in Social Work.
2. To inform students about the role theory and its application in Social Work.
3. To teach students about the Gestalt theory and its impact on Social Work Practice.
4. To enlighten students on the crisis theory and related aspects.
5. To make the students aware about the psycho analytic theory and its implication on Social Work Practice.

Unit 1:

Theory: definition, functions, characteristics – relevance and importance of theory in social work.

Unit 2:

Role theory: concept of role in social work – role conflict – application of role theory in social work.

Unit 3:

Gestalt theory: origin - its impact on social work practice – treatment methods and techniques.

Unit 4:

Crisis theory: origin -sociological studies in crisis theory- social work & crisis theory – social work practice in crisis situation –treatment in crisis theory.

Unit 5:

Psycho-analytic theory and Social work practice.

Text book:

Abraham, M. F. (1982). *Modern sociological theory: An introduction*. Oxford University Press.

References:

Coleman, J. C. (1969). *Abnormal Psychology and Modern Life*; DB Taraporevala Sons & Co. *Private Limited, Mumbai in arrangement with Scott, Foresman and Company*.

Turner, F. J. (Ed.). (2011). *Social work treatment: Interlocking theoretical approaches*. Oxford University Press.

GOI (1987) *The Encyclopedia of Social Work in India*. New Delhi: Ministry of Social Welfare.

Course Title: **SOCIAL LEGISLATIONS**

Semester : V

Core Course : X

Course code : CCX

Part : III

Introduction: The aim of this course is to enlighten students about important social legislations.

Course objectives:

1. To teach students about the concept of legalisation and related aspects.
2. To inform students about the Hindu and Muslim laws governing marriage and related aspects.
3. To familiarise students with the laws related to the welfare of women.
4. To enlighten students about child related legislations.
5. To introduce students to various laws set up to tackle social problems.

Unit 1:

The concept of legislation, need and importance to legislation, legislation as a process, and social welfare and social change – directive principles of state policy.

Unit 2:

The Hindu, Muslim, and Christian laws governing marriage, divorce, adoption, minority and guardianship, maintenance, succession, and inheritance.

Unit 3:

Dowry Prohibition Act – 1961
Domestic Violence Act-2005
Suppression of Immoral Traffic Act – 1977.
Medical Termination of Pregnancy Act – 1971.

Unit 4:

Juvenile Justice Act – 1986
Child Marriage Restraint Act – 1929.
Child Labour (Prohibition and Regulation) Act – 1986.
Protection of Children from Sexual Offences Act (POCSO)- 2012

Unit 5:

Protection of civil Rights Act – 1976.
The scheduled castes and the scheduled tribes (prevention of atrocities) amendment Act, 2015
Maintenance of Parents and Senior Citizens Act- 2007
Consumer protection Act – 1986.
Mental Health Act – 1987.
Section 135 of Companies Act, 2013 (Corporate Social Responsibility only)

Text books:

GOI (1956). *Social legislation*. Govt.of India Publications.

Shanmugavelayudam. (2000). *Social Legislation and Social Change*. Chennai: Vazla Valamadai Publications.

References:

Agarwala, R. K. (1981). *Hindu law*. R. N. Dwivedi (Ed.). Central Law Agency.

Devasia, V.V., & Devasia, L. (1998). *Woman Social Justice and Human Rights*. Delhi: APH Publishing Corporation.

Diwan, P., & Diwan, P. (1994). *Children & Legal Protection*. New Delhi: Deep & Deep Publication.

Elatchiappear, J (1999). *Marriage and Social Legislations in Tamil Nadu*. New Delhi: Deep & Deep Publication.

Indian Council for Child Welfare. (1998). *Child and Law*. Tamil Nadu.

Iyer (1998). V.R.K. *Human Rights – A Judges Miscellany*. Delhi: B.R. Publishing Corporation.

Kohki, A.S., & Sharma, S.R. (1997). *Equal Opportunity Human Rights and Social Welfare*. New Delhi: Anmol Publications Pvt. Ltd.

Sen, A.P.H.S. (1998). *Human Rights in Developing Society*. New Delhi: Publishing Corporation.

Vyas, R.N. – *The Soul of Indian Constitution (A Critical evaluation)* print well Publications, Jaipur.

Course Title : **FAMILY AND CHILD WELFARE**

Semester : V

Core Course- : XI

Course code : CC XI

Part : III

Introduction: The purpose of this paper is to enable students to understand the various aspects related to family and child welfare.

Course objectives:

1. To familiarise the students with the philosophy of family and child welfare along with the National Child Welfare Policy in India.
2. To inform the students about the problems of children.
3. To enlighten the students on family planning.
4. To teach the students about the various family and child welfare services.
5. To inform the students about the role of voluntary agencies in family and child welfare services.

Unit 1:

Family: meaning, philosophy, and child welfare- National child welfare policy in India

Unit 2:

Problems of children: child abuse, child labour, street children- female infanticide, girl children.

Unit 3:

Family welfare planning: programme and methods of family planning.

Unit 4:

Family and child welfare services: role of government- central and state.

Unit 5:

Role of voluntary agencies in family and child welfare services: Institutional and Non-Intuitive services, national and international organisations working for children.

Text book:

Devi, L (1988). *Encyclopaedia of Child and Family Welfare*. New Delhi: Institute for Sustainable Development, Lucknow and Anmol publication.

References:

Beedell, C. (1972). *Residential life with children*. Taylor & Francis.

Daridson, F., & Gornicki, B. (1964). *Care of Children in day centers*. Geneva: W.H.O. Publications.

Deranandan, & Thomas, M.M. (1959). *Changing Pattern of Family in India*. Bangalore press.

Gokkale, S.D. & Lohani N.K. (1979). *Child in India*. Bombay: Lomaria Publication.

Heredia, R.C. (1995). *The Family in changing World*. New Delhi: Indian Social Institute.

Khanna, G. & Varghesu, M.A. (1978). *Indian women today*, Delhi: Vikas Publications.

Khasgiwala, A. (1993). *Family Dynamics: Social Work Perspective*. Anmol Publications.

Rao, D.B. (1997). *Care the Child*. New Delhi : Discovery Publishing House.

Course Title : **INTRODUCTION TO COUNSELLING**

Semester : V

Course code : CC XII

Part III

Introduction: The purpose of this paper is to introduce students to the concept of counselling and related aspects

Course objectives:

1. To introduce the students to the concept of counselling
2. To develop a holistic understanding of counselling as a tool for help
3. To acquire knowledge of methods and process and techniques
4. To develop skills of application to real life situations
5. To develop ability to practice counselling in various settings /

Unit 1

Introduction to Counselling: Definition, objectives, principles, skills and importance of counselling & professional ethics in counselling; counselling as a helping profession.

Unit 2

Theories of Counselling: Client-Centred or Person-Centred Theory (affective), Rational-Emotive Theory (cognitive) and Behavioural Counselling.

Unit 3

Methods and Techniques of Counselling: Method - Directive, Non-Directive and eclectic counselling. Interview in Counselling: meaning, types and procedures. Counselling Techniques: Increasing desired behavior, decreasing undesired behavior and changing cognitive patterns.

Unit 4

Counselling Process/ Steps: Relationship building, Problem assessment, Goal Setting, Intervention, Evaluation and Follow-up.

Unit 5

Counselling in Various Settings: Community counselling, mental health, disaster affected and correctional setting; industrial counselling, marriage counselling, family counselling. Counselling practice with the special groups: children, adolescent, youth, women, alcoholic and drug addicts, aged, HIV/ AIDS infected and suicidal.

Text books:

Gipson, Robert L and Marianne H Mitchell, (1990) Introduction to Counselling and guidance, third edition, Mac Millan

John Antony, D. *Types of Counselling*. Anugraha Publications, Nagercoil, 1996.

McLeod, John. *An introduction to counselling*. McGraw-Hill Education (UK), 2013

References:

Asch. M., (2000) Principles of Guidance and counselling, Sarup & Sons, New Delhi

Jones Richard Nelson, (1998) Principles of counselling and Helping skills, Chassell Plc, London,.

Murdin, Lesley and Meg Emington, (2005) Setting Out: The Importance of the Beginning in Psycho therapy and counselling, Rutledge, London

Narayana Roa, S., (1991) Counselling and guidance, second edition, Tata McGraw-Hill, New Delhi.

Nelson, Richard, (1999) Introduction to counselling skills, Sage, London

Nicolson, Paula, Rowan Bayne, (1990) Applied Psychology for Social workers, Practical Social Work Series, Jo Campling (ed) Macmillan, London

Pauline Boss, (2002) Family Stress Management: A Contextual Approach, Sage, London.

Payne, Malcolm, (1991) Modern Social Work Theory: A Critical Introduction, Mac Millan, London

Stimson, Quentin, (2003) Clinical Counselling in Voluntary and Community Settings, 2003 Rutledge, London

Sundel, Martin & Sandra S. Sundel, (1999) Behaviour Change in the human Services: An Introduction to principles and Applications, Sage London

Course Title : **DISASTER MANAGEMENT**

Semester : V

Major Based Elective – I

Part III

Introduction: The aim of this course is to enable students to understand the concept of disaster management and related aspects.

Course objectives:

1. To introduce the students to the concept of disasters and related aspects.
2. To teach the students about disaster response and related aspects.
3. To enlighten the students on disasters based on India's experiences.
4. To teach the students about the role of the government and various agencies in disaster management.
5. To enlighten the students on tsunami and related aspects.

Unit-I: Definition, hazards, vulnerability and disaster cycle; key agents in disaster management- dimensions of disaster management

Unit-II:

Response to disasters-survey, assessment, importance & scope /basics of planning, sources of information- nature of crisis information, communication, and co-ordination of information and management- disaster planning- early warning systems, managing human awareness, vulnerability analysis.

Unit-III:

Nature disaster- floods/drought/cyclone/earthquake disaster – communal violence/ ethnic conflicts/ refugees; other disaster- epidemic/fire/industrial disaster/ road accidents/ air accidents/railway accidents.

Unit-IV:

Indian disaster management- role of central state governments-role of NGO's in disaster management- role of media in disaster management-role of education in training and management.

Unit-V:

Tsunami-reality/ facts/ responses; role of local/ state/ national international/ NGO's & role of social workers.

Text book:

Sekar, K., Sayani, P., Jayakumar, C., Girimaji, S., & Kishore, K.V.K. (2005). *Tsunami – Psychosocial care for individuals and families*. Bangalore: NIMHANS

References:

Dave, A.S., Sekar, K., Bhadra, S., Rajashekar, G.P, Kumar, K.K., Murthy, S.R. (2002) *Riots: Psychosocial care for Individuals*. Bangalore: Books for Change

Dave, A.S., Sekar, K., Bhadra, S., Rajashekar, G.P, Kumar, K.K., Murthy, S.R. (2002). *Riots: Psychosocial care for children surviving the riots*. Books for Change, Bangalore.

Desai, N.G., Gupta, D.K., Joshi, P.C., Singh, R.A., Singh, T.B., Lal, M. & Kumar, A. (2002) *Mental health aspects of the earthquake in Gujarat*. New Delhi: Indian Council of Medical Research.

Grace, H, Sekar, K., Subhasis, B., & Bharat, S. (2005). *Tsunami – Psychosocial care for women*. Bangalore: NIMHANS.

Course Title: **CORRECTIONAL SOCIAL WORK**

Semester : VI

Core Course- XIII

Course Code: CC XIII

Part III

Introduction: The aim of this course is to enlighten students on correctional social work and related aspects.

Course Objectives:

1. To inform the students about correctional social work and related aspects.
2. To enlighten the students about penology, corrections, and related concepts.
3. To teach the students about social defense in India.
4. To enlighten the students on the concept of victimology and related aspects.
5. To make the students understand various correctional techniques.

Unit 1:

Legislative: police – judiciary and correctional system – origin and development of correctional social work in India.

Unit 2:

Penology and corrections: probation – parole – half way homes – open air prisons and welfare measures meant for prisons – prisoners rights UN minimum standard rules for prisons.

Unit 3:

Social defense in India: juvenile delinquency: institutional & non – institutional programmes for delinquency – juvenile guidance bureau – boys club – boot camps and other programmes meant for delinquents.

Unit 4:

Victimology: concept – philosophy – victimology in India.

Unit 5:

Preventive and curative measures: role of social worker in correctional administration; social theory – psycho analysis and other therapeutic methods of corrections.

Text books:

Panakal J.J., & Gokhale, S.D. (1989). *Crime and Corrections in India*. Bombay: Tata Institute of Social Sciences.

Tappan, P. W. (1960). *Crime, justice and correction* (Vol. 1221). New York: McGraw-Hill

References:

Ansari, M.A. (1996). *Social Justice and Crime in India*. Jaipur: Sunlime Publications.

Atri, P.K. (1998). *Dimensions of Crime in India*. New Delhi: Anmol Publications Pvt.Ltd.

Brieland, D., Costin, L. B., & Atherton, C. R. (1975). *Contemporary social work: An introduction to social work and social welfare*. Tata McGraw-Hill Education.

Chakrabarthy, N.K. (1999). *Juvenile Justice*. New Delhi. Deep & Deep Publications, Pvt.Lt.

Chery, V, & James (1978). *Introduction to criminology*.

Sharma, R.K. (1998). *Criminology and Penology*. Delhi: Atlantic Publicshers and Distributors.

Sutherland, E. H., Cressey, D. R., & Luckenbill, D. F. (1992). *Principles of criminology*. Rowman & Littlefield.

Tappan, P. W. (1951). *Contemporary Corrections*. New York: Hill Book Ltd., Inc.

Vass, A.A. (1998). *Social Work Competencies – Core Knowledge Values and Skills*. New Delhi: Sage Publications.

Wadia, A. R. (1968). *Historical and Philosophical Background of Social Work*. *Tata Institute*.

Course Title : **COMMUNITY DEVELOPMENT**

Semester : VI

Core Course : XIV

Course code : CC XIV

Part III

Introduction: The purpose of this course is to introduce students to the concept of community development and related aspects.

Course objectives:

1. To introduce the students to the concept of community development and related aspects.
2. To enlighten the students on the role of nucleus groups in rural development.
3. To teach the students about the process of community development and the role of community development workers.
4. To inform the students about rural community development.
5. To teach the students about the urban community development programme.

Unit 1: Community development: definition, history, objectives, principles, and process; Rural urban contrast. Rural extension: meaning, objectives, principles, approaches, methods and limitations; role of community development worker.

Unit 2: Nucleus group and rural development: meaning of nucleus group; formation of nucleus group; characteristics of nucleus group members; the power structure; social education: meaning, scope, objectives, and problems and methods; adult education: meaning and adult literacy methods.

Unit 3: Community participation: meaning, elements, principles and obstacles in community participation. Role of government & voluntary agencies in rural development; rural development programmes.

Unit 4: Urban Development: meaning, characteristics, rural urban linkages, city - meaning, classification, urbanisation & urbanism: meaning and characteristics; slums – definition, characteristics. Role of state government & NGO's in urban development.

Unit 5: Tribes: definition, characteristics of the tribal community; nomadic, semi-nomadic, and de-notified tribes; Nehru's Panchsheel principles of tribes.

Text books:

Dahama, O. P. (1966). *Extension and rural welfare*. Ram Prasad.

Jain, S. C. (1967). *Community Development and Panchayati Raj in India*. Bombay, Allied Publishers [1967

References:

Dayal, R. (1960). *Community development programme in India. Community development programme in India.*

Douglas, E. (1959). *A guide to community Development*, Ministry of Community Development.

Jain, S. C. (1985). *Rural development institutions & strategies.*

Mukerji, B. (1961). *Community development in India. Community development in India.*

Sethuramalingam. V. (2007). *Urban Housing: Policies. Programmes and Interventions.*
Trichirappalli : S.S. Pub.

Course Title : **FIELD WORK PRACTICUM**
Semester VI
Part III
Core Course XV
Course Code : CC XV

Introduction: The aim of this field work is enhance the students' understanding of current social problems through group projects. Each group must have a minimum of three and a maximum of five members. Each group must take up a current social issue/problem in consultation with the field work supervisor.

Objectives of the course:

- 1 To deepen the students' knowledge of social problems.
- 2 To sensitise students on current social problems and issues.
3. To develop skills in analysis and interpretation of social problems.

GUIDELINES FOR FIELD WORK EVALUATION

Evaluation:

Internal:	Marks
1. Attendance in field work	5
2. Regularity in submitting reports	5
3. Participation in group project work	30
Total	40

External evaluation and viva

I. Reporting	- 20 marks
II. Viva	
1. Theoretical Knowledge	-10 marks
2. Communication and Presentation	-10marks
3. Individual participation and initiative in group project	-20 marks
Total	60 marks

Course Title : **WELFARE OF PERSONS WITH DISABILITY**

Semester : VI

Major Based Elective-II

Course Code :

Part III

Introduction: The aim of this course is to enlighten students on the welfare of persons with disability.

Course objectives:

1. To introduce the students to the concept of disability and impairment.
2. To inform the students about the causes of disabilities.
3. To enlighten the students about the Persons with Disability Act
4. To inform the students about the various schemes and provisions being offered to the disabled by the government.
5. To introduce the students to the approaches in rehabilitation.

Unit 1:

Disability: concept of disability, impairment, handicapped, and rehabilitation; types of disabilities- visually handicapped, hearing handicapped, mentally handicapped, orthopaedically handicapped including spastic children and leprosy cured; psycho-social problems of the disabled: social work intervention with the disabled

Unit 2:

Causes of disabilities- malnutrition, vitamin deficiencies, genetic disorder, congenital deformities, accidents, etc.

Unit 3:

Persons with Disability Act 1995- **Emphasis must be only on the salient features of the Act.**

Unit 4:

Government scheme for disabled offered by the state commissioner for the disabled-(a) special education (b) training programme (c) employment of persons with disability (d) self employment for disabled and (e) supplying of aids and appliances: grant- in aid to NGO's vocational training and welfare of persons with disabilities in Tamil Nadu.

Unit 5:

Approaches in rehabilitation- community based approach and outreach programmes by NGO's for the disabled, role of family in the treatment, training and rehabilitation of the handicapped.

Textbook:

Albrecht, Gary L. *Encyclopedia of Disability* (4 Volumes), Sage , Oaks. 2006

English, O. S., & Pearson, G. H. J. (1963). *Emotional problems of living*.

References:

Cannon, I. M. (1952). *On the social frontier of medicine: Pioneering in medical social service*. Harvard University Press.

Field, M. (1967). *Patients are people. A Medical Social approach to prolonged illness*

Course Title: **SOCIAL WORK IN INDUSTRY**

Semester: VI

Part: III

Major Based Elective-III

Introduction: The aim of this paper is to introduce students to social work in industry and the various aspects related to it.

Course Objectives:

1. To define industrial social work;
2. To trace the historical evolution of social work in Industry in the west as well as in India;
3. To understand social responsibility of Industries;
4. To define the scope of social work practice in industries;
5. To analyse the extent to which social work methods are applicable and suitable to the needs of the industry;
6. To delineate the place of a professional social worker in an industrial setting;
7. To state the problems and future prospects of social work in industry.
8. To familiarise students with concepts and legislations related to labour welfare, industrial relations, and social security in India.

Unit 1 Management: Meaning, functions (Planning, Organising, Staffing, Directing, Co-ordination, Reporting, and Budgeting (POSDCORB)) - **Theories** - contingency theory; systems theory, and theory x and theory y; globalisation, liberalisation, privatisation, and anti globalisation; areas of management.

Unit 2 Human Resource Management: Meaning, objectives, and history; human resource policies; the importance of the human factor and challenges in industry; role of human resource manager; human resource accounting and audit; role on Industries in CSR; computer applications in human resource management.

Unit 3 Industrial Relations: Meaning, objectives history; settlement machinery: conciliation, arbitration, and adjudication; collective bargaining: meaning and types; strike, lockout, layoff, and closure-meaning and types; discipline & grievances ILO – history, objectives, and function.

Unit 4 Wage and salary administration: Meaning, principles, job evaluation- meaning, objectives, and methods; minimum fare and living wages

Unit 5 Industrial Social Work: Meaning, objectives, history, principles, skills of industrial social workers, and application of social work methods; qualities and ethics of professional social workers in the industrial setting; counselling in industries.

Text book:

Rudrabasavaraj, M.N. *Dynamic Personnel Administration-Management of Human Resources*. Himalaya Publishing House, 1991.

References:

Ashdir , Vijay. *Management of Industrial Relations*. Kalyani Publishers, 2003.

Bhangoo, Kesar Singh. *Dynamics of industrial relations*. Deep & Deep Publications, 1995.

Giri, Varahagiri Venkata. "Labour problems in Indian industry." (1960).

I.L.O. *Labour Legislation*.1980.

Monappa, Arun. "Industrial Relations, Ninth print (1995)."

Myers, Charles Andrew, and Subbiah Kannappan. *Industrial relations in India*. Asia Publishing House, 1970.

Prasad NGK. *Factories Law and Rules applicable to TN State, Vols. I, II, III, IV*. Madras Book Agency. 1978.

Saxena, R. C. *Labour Problems and Social Welfare*. Jai Prakash Nath, 1963.

Srivastava, Suresh C. *Industrial relations and labour laws*. Vikas Publishing House Pvt Ltd, 2007.