

B.A., ECONOMICS

LOCF SYLLABUS 2026-27



Department of Economics

School of Management Studies

St. Xavier's College (Autonomous) Palayamkottai

Tirunelveli – 627 002, Tamil Nadu, India

Vision:

- To mould young men and women as leaders in all walks of life so that they may serve the people especially the poor and the oppressed of our nation in truth, justice and love.

Mission:

- To achieve a synthesis of academic excellence and the formation of character.
- To ensure social justice through equity and access
- To include the excluded for empowerment
- To equip students with global competencies
- To engage in relevant research activities.
- To promote Lab to Land through the Outreach Programme – Student Training and Action for Neighbourhood Development (STAND)

SCHOOLS OF EXCELLENCE WITH CHOICE-BASED CREDIT SYSTEM (CBCS)**Undergraduate Courses**

While the Tamil Nadu State Council of Higher Education (TANSCHÉ) came forward to introduce CBCS in all the affiliated colleges in Tamil Nadu in June 2008, St. Xavier's College had already introduced CBCS as early as June 2002 for UG courses and in June 2003 for PG courses. The aim of the Choice-Based Credit System is to provide ample choice of subjects to students, based on the weighted credit point system. This system offers the learners a chance to match their aptitude and interest with the subjects of their choice and learn at their own pace. Thus St. Xavier's College gives every student an opportunity to study his / her discipline - specific courses and pursue other courses from any other department simultaneously.

Essential Features of CBCS

Standardisation of degree courses to internationally accepted levels

Focus on skill-based curriculum

Emphasis on value education

Institution - Industry collaboration

Provision for earning more credits

Development of communication skills

Credit system

The credit system at St. Xavier's College (Autonomous) assigns weightage to courses based on the hours allocated to each course. Typically, one credit is equivalent to one hour of instruction per week. However, credits are awarded regardless of actual teaching hours to ensure consistency and adherence to guidelines. The credits and hours allotted to each course within a programme are detailed in the Programme Pattern table. While the table provides a framework, there may be some flexibility due to practical sessions, field visits, tutorials, and

the nature of project work. For undergraduate (UG) courses, students are required to accumulate a minimum of 150 credits, as stipulated in the programme pattern table. The total number of courses offered by the department is outlined in the Programme Structure.

OUTCOME-BASED EDUCATION (OBE)

Outcome-Based Education (OBE) is a student-centric teaching and learning methodology that focuses on measuring student performance through clearly defined outcomes. For St. Xavier's College, with its commitment to excellence and NAAC/NBA accreditation requirements, OBE is not just a regulatory expectation but a pathway to academic quality, global competitiveness, and improved employability of graduates.

We prepare students to meet future industry requirements and reinforce St. Xavier's College, Palayamkottai, as a leader in quality higher education. St. Xavier's College introduced OBE in 2018, and for the Attainment Calculation, we developed our own method in 2018. From the academic year 2025-26 onwards, in examinations, for each question we mark Course Outcome (CO), Competency and Performance Indicator, Programme Outcome / Programme Specific Outcome, Bloom's Revised Cognitive Level and we follow the OBE procedure for the calculation of the Attainment of Outcome for each student, course, semester, programme.

EVALUATION PATTERN (UG)

Continuous Internal Assessment

There is no internal minimum for any paper. However, Continuous Internal Assessment (CIA) is a mandatory requirement for all students. A student must take at least one CIA test out of two tests and must fulfil at least one mode of assessment among assignments, quiz, seminars, etc., otherwise he/she will not be permitted to write the semester examination.

S.No	Component	Marks Allotted
1	I CIA Test	50
2	II CIA Test	50
	Total	100

The total CIA marks of 100 will be converted to 70 marks. An additional 30 marks will be awarded through other internal assessment components.

The Continuous Internal Assessment (CIA) consists of two component tests, each carrying 15 marks (15 + 15).

The final internal assessment marks will be calculated out of 100 (70 + 30). The obtained marks will be **converted to 50 marks**.

Semester (External) Examination

- The External Semester Examination will be conducted for **100 marks**.
- The obtained marks will be **converted to 50 marks**.

Question Pattern

UG Semester Examinations Part- I & II & III (3 Hours)

PART	TYPE	Mark Distribution	Total Marks
A	MCQ	20X1	20
B	ALL	5X3	15
C	Either/or	5X7	35
D	3 out of 5	3X10	30
		Total	100

UG Semester Examinations Part- IV (2 Hours)

PART	TYPE	Mark Distribution	Total Marks
A	MCQ	5X1	5
B	ALL	5X2	10
C	Either/or	5X5	25
D	1 out of 2	1X10	10
		Total	50

UG Internal Examinations Part- I & II & III (1.30 Hours)

PART	TYPE	Mark Distribution	Total Marks
A	MCQ	6X1	6
B	ALL	3X3	9
C	Either/or	3X5	15
D	2 out of 3	2X10	20
		Total	50

UG Internal Examinations Part- IV (1.00 Hour)

PART	TYPE	Mark Distribution	Total Marks
A	MCQ	5X1	5
B	ALL	5X3	15
C	2 out of 3	2X7.5	15
		Total	35

Grading System

Range of Marks	Letter Grade	Grade Point	Description
90-100	A+	9.0-10.0	Outstanding
80-89	A	8.0-8.9	Excellent
70-79	B+	7.0-7.9	Very Good
60-69	B	6.0-6.9	Good
50-59	C	5.0-5.9	Above Average
40-49	D	4.0-4.9	Average
00-39	U	0	Reappear

PROGRAMME OUTCOMES (POs) FOR UG PROGRAMMES

Students of all Undergraduate Degree Programmes at the time of graduation will be able to attain the following:

PO1. Critical Thinking: Acquire the knowledge in the respective field and take informed actions.

PO2. Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO3. Social Interaction: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional practice.

PO4. Effective Citizenship: Demonstrate empathetic social concern and equity-centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems and apply ethical principles and commit to professional ethics and responsibilities and norms of different value systems.

PO6. Environment and Sustainability: Demonstrate the issues of environmental contexts and sustainable development.

PO7. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern IT tools including prediction and modelling to complex activities with an understanding of the limitations.

PO8. Self-directed and Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

PROGRAMME SPECIFIC OUTCOMES (PSOs) FOR UG ECONOMICS

Students of all Undergraduate Economics, after completion of the UG Program will be able to attain the following:

PSO1: Comprehend Core Economic Theories and Concepts

Demonstrate a sound understanding of microeconomic, macroeconomic, development, agricultural, environmental, and public finance theories to interpret contemporary economic issues in national and global contexts.

PSO2: Analyze Economic Problems Using Theoretical Frameworks

Apply economic principles, quantitative techniques, and analytical models to evaluate consumer behavior, market dynamics, policy interventions, and emerging economic challenges.

PSO3: Evaluate Economic Data for Decision-Making

Collect, interpret, and evaluate economic data using statistical methods, econometric tools, and evidence-based approaches to support informed decision-making and policy analysis.

PSO4: Communicate Economic Concepts Effectively in English

Present economic ideas, research findings, and policy perspectives clearly and professionally in English through reports, presentations, and academic discussions.

PSO5: Communicate Economic Issues in Tamil

Express economic concepts, development concerns, and public policy issues effectively in Tamil to enhance community engagement and regional outreach.

PSO6: Develop Critical Reading and Interpretation Skills

Read, interpret, and critically evaluate economic literature, research articles, government reports, budgets, and policy documents for academic and professional purposes.

PSO7: Evaluate Health and Social Dimensions of Economic Activities

Analyze the interrelationship between economic development, public health, social welfare, equity, and quality of life in contemporary societies.

PSO8: Promote Social Equity, Justice, and Inclusive Development

Assess socio-economic inequalities and formulate perspectives that support inclusive growth, social justice, gender equity, and sustainable human development.

PSO9: Demonstrate Social Responsibility and Community Engagement

Participate in socially responsible economic practices and community-oriented initiatives that contribute to local and national development goals.

PSO10: Apply Ethical Principles in Economic Decision-Making

Integrate ethical reasoning, professional values, and responsible conduct while evaluating economic policies, business practices, and development programmes.

PSO11: Analyze Environmental and Sustainable Development Issues

Examine environmental challenges, market failures, climate-related concerns, and sustainable development strategies using environmental economics frameworks.

PSO12: Utilize Digital and Statistical Tools for Economic Analysis

Employ statistical software, spreadsheet applications, online databases, and digital technologies to analyze economic trends, market behavior, and policy outcomes.

PSO13: Develop Lifelong Learning and Research Competencies

Identify learning needs, pursue independent and interdisciplinary learning, and engage with emerging economic theories, research publications, and global knowledge networks.

PSO14: Analyze Indian Economic Development and Public Policy

Evaluate the role of agriculture, public finance, Union Budget provisions, and development policies in shaping India's economic growth and socio-economic transformation.

PSO15: Apply Quantitative and Mathematical Techniques in Economics

Use calculus, statistical methods, and quantitative models to examine economic relationships, forecast trends, and solve real-world economic problems.

PSO16: Enhance Employability and Professional Competence

Develop analytical, technological, communication, and problem-solving skills required for careers in government, research institutions, financial services, development organizations, business sectors, and higher education.

B.A., ECONOMICS COURSE PATTERN

Sem	Part	Status	Sub. Code	Title of the Paper	Hrs	Cdt
I	I	Lang	26UGT11	General Tamil – I	6	3
	I	Lang	26UGH11	Hindi – I		
	I	Lang	26UGF11	French – I		
	II	Lang	26UGE11	General English – I	6	3
	III	Core	26UECC11	Micro Economics-I	4	4
	III	Core	26UECC12	Mathematics for Economics-I	4	4
	III	Allied	26UECA11	History of Modern India	6	5
	IV	SEC1	26UECN11	General Economics (NME-I)	2	2
	IV	FC	26UHER11/ 26UHEE11	Foundation Course: Religion: Catholic Doctrine/ Ethics	2	2
Total					30	23
II	I	Lang	26UGT21	General Tamil – II	6	3
	I	Lang	26UGH21	Hindi – II		
	I	Lang	26UGF21	French – II		
	II	Lang	26UGE21	General English – II	6	3
	III	Core	26UECC21	Micro Economics-II	4	4
	III	Core	26UECC22	Mathematics for Economics-II	4	4
	III	Allied	26UECA21	Constitution of India	6	5
	IV	SEC2	26UECN21	Tamilnadu Economy (NME-II)	2	2
	IV	SEC3	26UHEI21	Integrated Personality Development	2	2
Total					30	23
III	I	Lang	26UGT31	General Tamil – III	6	3
	I	Lang	26UGH31	Hindi – III		
	I	Lang	26UGF31	French – III		
	II	Lang	26UGE31	General English – III	6	3
	III	Core	26UECC31	Macro Economics-I	5	5
	III	Core	26UECC32	Statistics for Economics-I	5	5
	III	Elective	26UECE31	Urban Economics/ Entrepreneurial Economics	4	3
	IV	SEC4	26UHEL31	Life Coping and Entrepreneurial Skill Development	2	2
	IV	SEC5	26UECS31	Digital Economics	2	2
Total					30	23
	I	Lang	26UGT41	General Tamil – IV	6	3
	I	Lang	26UGH41	Hindi – IV		

IV	I	Lang	26UGF41	French – IV		
	II	Lang	26UGE41	General English – IV	6	3
	III	Core	26UECC41	Macro Economics-II	5	5
	III	Core	26UECC42	Statistics for Economics-II	5	5
	III	Elective	26UECE41	Computer Applications in Economics / Data Analysis for Economics	4	4
	IV	Elective	26UECE42	Energy Economics/ Gender Economics	2	2
	IV	EVS	26UEVS41	Environmental Studies (EVS)	2	2
	V	Extension Activities		STAND (Extension Programme)		1
Total					30	25
V	III	Core	26UECC51	Monetary Economics	6	5
	III	Core	26UECC52	International Economics	6	5
	III	Core	26UECC53	Basic Econometrics	6	5
	III	Core	26UECC54	Fiscal Economics	5	4
	III	Elective	26UECE51	Agricultural Economics / Industrial Economics	5	3
	III	VE	26UHEH51	Human Rights and Social Analysis	2	2
	IV	Internship	26UECI51	Internship	-	2
Total					30	26
VI	III	Core	26UECC61	Development Economics	6	4
	III	Core	26UECC62	Indian Economy	6	4
	III	Core	26UECC63	Project	6	4
	III	Elective	26UECE61	Environmental Economics/ Evolution of Economic Ideas	5	3
	III	Elective	26UECE62	Labour Economics /Behavioral Economics	5	3
	IV	SEC7	26UECS61	TNPSC Foundation-Readiness for Competitive Exam.	2	2
					30	20
					180	140
				Additional Compulsory Courses		
				I Year (Add-On Course)		2
				II Year (Value – Added Course)		2
				III Year (Extra-Credit Course)		2
				Field Visit/Industrial Visit		1

			MOOC		2
			Cocurricular/Extra Curricular Activities		1
			TOTAL	180	150
	Additional Compulsory Courses			Online/Offline/ Outsource modes	
I UG	Add-on Course	26UECA01	Technical writing for Economics		2
II UG	Value Added Course	26UECVA1	Fundamental Accounts for Economics/ Tally Prime 5.0/ 7.0 (Outsource Only)		2
III UG	ECC (Any One is Compulsory)	26UECEC11	Business Economics		2
		26UECEC21	Tourism Management		
		26UECEC31	Applications of Mathematics in Economics		
		26UECEC41	Economics for Competitive Examinations		
		26UECEC51	Political Economy		
		26UECEC61	Research Methods in Economics		
			SWAYAM-NPTEL (MOOCs)		2
			Field Visit/ Industrial Visit		1
			Co-curricular/ Extra Curricular Activities		1
			Total	180	150

EC – Elective Course

FC – Foundation Course

VE – Value Education

SEC – Skill Enhancement Course

பொதுத்தமிழ் - I

26UGTL11

Sem	Course Code	Course Category	Hours	Credit	MARK FOR EVALUATION		
					CIA	ESE	TOTAL
I	26UGTL11	GT	6 Hrs	3	100	100	100
COURSE TITLE		பொதுத்தமிழ் - I					

COURSE OUTCOMES: (பயன்கள்)

CO1	பாரதியார் காலந்தொட்டுத் தற்காலப் புதுக்கவிதைகள் வரையிலான கவிதைகளை அறிமுகப்படுத்துவதுவதால் படைப்பாற்றல் திறன் பெறுதல். (K1, K2)
CO2	புதுக்கவிதை வரலாற்றினை அறிந்து கொள்ளுதல். (K2)
CO3	இக்கால இலக்கிய வகையினைக் கற்பதன் மூலம் படைப்பாக்கத் திறனைப் பெறுதல். (K4)
CO4	மொழி அறிவோடு சிந்தனைத் திறன் அதிகரிக்கச் செய்தல். (K3)
CO5	தமிழ்மொழியைப் பிழையின்றி எழுதவும், புதிய கலைச்சொற்களை உருவாக்கவும் அறிந்து கொள்ளுதல். (K4)
CO6	காலந்தோறும் சமூகச் சிந்தனைகள் மாறுவதை இலக்கிய வரலாற்றின் மூலம் புரிந்து கொள்ளுதல். (K6)

UNITS	SYLLABUS CONTENTS	HOURS
I	மரபுக் கவிதை 1. பெ.சுந்தரனார் - தமிழ்த்தெய்வவணக்கம் 2. இராமலிங்க அடிகளார் - வள்ளலார் பாடல்கள் 3. பாரதியார் - பாரத ஜனங்களின் தற்கால நிலைமை 4. பாரதிதாசன் - சிறுத்தையே வெளியில் வா 5. மு.நல்லசுவாமிபண்டிதர் - சிலுவைத் தியானமாலை - மரியாள் புலம்பல் 6. கவிமணி தேசிக விநாயகம் பிள்ளை - புத்தரும் ஏழைச் சிறுவனும் 7. முடியரசன் - மொழி உணர்ச்சி 8. கண்ணதாசன் - ஆட்டனத்தி ஆதிமந்தி - ஆதிமந்தி புலம்பல் 9. கல்யாணசுந்தரம் - பட்டுக்கோட்டையார் பாடல் புதுக்கவிதை 1. கவிக்கோ அப்துல் ரகுமான் - வீட்டுக்கொரு மரம் வளர்ப்போம் 2. சிற்பி- கவிதை முடியவில்லை 3. மு. மேத்தா- வாழை மரத்தின் சபதம் 4. வைரமுத்து- புத்தகப்புராணம் 5. ஞானக்கூத்தன் - அம்மாவின் பொய்கள் 6. அறிவுமதி-வள்ளுவம் பத்து 7. நா.முத்துக்குமார் - ஆனந்தயாழை மீட்டுகிறாய் 8. சுகிர்தாராணி- சபிக்கப்பட்ட முத்தம் 9. அபிமானி - தலித்தியக்கவிதைகள் - 10. வைகைச் செல்வி - அம்மி 11. நாட்டுப்புறப்பாடல்	30

II	சிறுகதைகள் 1. புதுமைப்பித்தன் - கடவுளும் கந்தசாமிப் பிள்ளையும் 2. கு.ப .ராஜ கோபாலன் - விடியுமா? 3. கி. ராஜநாராயணன் - கதவு 4. வண்ணதாசன் - ஒரு சிறு இசை 5. உமா மகேஷ்வரி - மரப்பாச்சி உரைநடை 1. இலக்கியத்தின் உயிர் - இரா.மோகன் 2. இருபதாம் நூற்றாண்டுக் கவிதைகளில் தொழிலாளர் நிலை— இரா.மோகன் 3. எண்பதுகளில் புதுக்கவிதைப் போக்குகள் - இரா. மோகன் 4. தமிழ்ச் சிறுகதைகளில் முன்னிலை உத்தி - இரா.மோகன் 5. வளமுடன் வாழ - அருள் முனைவர் ச.இன்னாசிமுத்து. சே.ச.	15
III	தமிழ் இலக்கிய வரலாறு (இக்கால இலக்கியம்)	15
IV	இலக்கணம் - எழுத்து 1. தொல்காப்பியத்தின் எழுத்து வகை 2. முதல் எழுத்துக்கள் 3. சார்பெழுத்துக்கள் 4. மொழிமுதல் எழுத்துக்கள் 5. மொழி இறுதி எழுத்துக்கள் 6. மொழி இடை எழுத்துக்கள் 7. போலி 8. பதவிலக்கணம் 9. புணர்ச்சி இலக்கணம்	15
V	பிழையின்றி எழுதுவோம் 1. பிழைப்பட எழுதும் சொற்களும், திருத்தங்களும் 2. சொற்பொருள் வேறுபாடு 3. பிழையான வாக்கியங்களும், திருத்தங்களும் 4. நிறுத்தற்குறிகள் 5. மரபு 6. வல்லெழுத்து (க்.சு.த்,ப்) மிகுமிடங்கள் 7. வல்லெழுத்து மிகா இடங்கள் 8. வாக்கியம் :வகைகளும், மாற்றங்களும் 9. வழ(ழு)க்குத் தமிழ் 10.உவமைகள் - பழமொழிகள் - மரபுத் தொடர்கள்	15
TEXT BOOKS (பாடநூல்கள்)		
- தமிழ்த்துறை வெளியீடு— தூய சவேரியார் கல்லூரி,(தன்னாட்சி) பாளையங்கோட்டை. - வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு— பாக்கியமேரி		
REFERENCE BOOKS (பார்வைநூல்கள்)		
- தமிழ் இலக்கிய வரலாறு— சிற்பி பாலசுப்பிரமணியன் - புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு— தமிழண்ணல் - தமிழ் இலக்கிய வரலாறு— சேதுராமன்		
WEB SOURCES(இணையதளங்கள்)		
- Tamil Heritage Foundation – www.tamilheritage.org - Tamil Virtual University Library – www.tamilvu.org/library - Project Madurai – www.projectmadurai.org - Chennai Library – www.chennailibrary.com - Tamil University Library – www.ulib.prg - Tamil E-books downloads – tamilebooksdownloads.blogspot.com - Tamil Books online – books.tamilcube.com - Catalogue of the Tamil Books in the library of British congress archive.org		

பொதுத்தமிழ் - II
26UGTL21

Sem	Course Code	Course Category	Hours	Credit	MARK FOR EVALUATION		
					CIA	ESE	TOTAL
II	26UGTL21	GT	6 Hrs	3	100	100	100
COURSE TITLE		பொதுத்தமிழ் - II					

COURSE OUTCOMES (பயன்கள்)

CO1	பக்தி இலக்கியத்தின் தோற்றம், வளர்ச்சி சிற்றிலக்கியத்தின் தோற்றம், வளர்ச்சி குறித்து அறிந்து கொள்வர். (K1)
CO2	பக்தி இலக்கியங்கள், சிற்றிலக்கியங்கள் முதலியவற்றின் இலக்கண மற்றும் இலக்கிய அமைப்பை விளங்கிக் கொள்வர் (K2)
CO3	பக்தி இலக்கியப் பாடல்களில் காணப்படும் தெய்வவழி பாட்டுணர்வு, சிற்றிலக்கியங்களில் காணலாகும் சமூகநீதிக் கருத்துகளை, இன்றைய வாழ்வோடு தொடர்புபடுத்தி நோக்குவர் (K3)
CO4	பக்தி இலக்கியம் சிற்றிலக்கியங்களின் வழி இலக்கண இலக்கியச் சிறப்புகளை ஓப்பிட்டுப் பேதங்களைக் காண்பர். (K3)
CO5	பக்தி இலக்கிய, சிற்றிலக்கியங்களின் வழி தமிழ்மொழி, பண்பாடு, மதம், தத்துவம் ஆகியவற்றினை மதிப்பிட்டுச் சீர்தூக்கிப் பார்ப்பர் (K5)
CO6	கற்ற இலக்கியங்களை அடிப்படையாகக் கொண்டு, சிறுபக்திக் கவிதைகள் அல்லது சிற்றிலக்கிய மரபில் பாடல் இயற்றும் திறன் பெறுவர்., (K6)

UNITS	SYLLABUS CONTENTS	HOURS
I	பக்தி இலக்கியம் -1 1. திருஞானசம்பந்தர் - திருக்கோடிக்கா 2. திருநாவுக்கரசர் - திருப்பாதிரிப்புலியூர் 3. திருப்பாவை - ஆண்டாள் 4. குலசேகரஆழ்வார் - 5 ஆம் பதிகம் 5. சித்தர் பாடல்கள் - அமுகணிசித்தர் (தேர்ந்தெடுக்கப்பட்டபாடல்கள்) சிற்றிலக்கியம்: 2 1. கலிங்கத்துப்பரணி - களம் பாடியது 2. திருக்குற்றாலக் குறவஞ்சி - மலைவளம் 3. திருக்காவலூர்க்கலம்பகம் - சமூகஉல்லாசம் 4. முக்கூடற்பள்ளு-நாட்டு வளம் 5. தமிழ்விடுதூது - தூதுக்கானகாரணம்	30
II	ஊரைநடை 1. இறைநம்பிக்கையும் மனிதவாழ்வும் 2. இயேசுபிரான் குறிப்பிடும் எண்வகைமனிதர்கள் 3. நபிகள் நாயகத்தின் வாழ்வியல் நெறிகள் 4. திருமூலர் காட்டும் இறைநெறி 5. வள்ளலார் கூறும் வாழ்வியல் நாவல் - கருப்பாயி என்கிற நார்ஜஹான் -அன்வர் பாலசிங்கம்	15
III	தமிழ் இலக்கிய வரலாறு (பக்தி இலக்கியம், சிற்றிலக்கியம் தொடர்பான பகுதிகள்)	15

IV	இலக்கணம் சொல்லின் இலக்கணம்-பெயர் ,வினை, இடை, உரிச்சொற்கள் பிறமொழிச் சொற்களைத் தமிழில் வழங்கும் முறை	15
V	மொழிபெயர்ப்பு ஆட்சிச் சொல்லகராதி - மரபுத் தொடர்கள் - பழமொழிகள் - திருக்குறள்	15

TEXT BOOKS (பாடநூல்கள்)

1. தமிழ்த்துறை வெளியீடு - தூய சவேரியார் தன்னாட்சிக் கல்லூரி, பாளையங்கோட்டை.
2. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு - முனைவர் பாக்கியமேரி
3. கருப்பாயி என்கிற நார்ஜஹான் -அன்வர் பாலசிங்கம்

REFERENCE BOOKS (பார்வை நூல்கள்)

- தமிழ் இலக்கியவரலாறு - சிற்பி. பாலசுப்பிரமணியன்
- புதியநோக்கில் தமிழ் இலக்கிய வரலாறு - தமிழண்ணல்
- தமிழ் இலக்கிய வரலாறு- சேதுராமன்

WEB SOURCES (இணையதளங்கள்)

- Tamil Heritage Foundation- www.tamilheritage.org
- Tamil virtual University Library- www.tamilvu.org/ library <http://www.virtualvu.org/library>
- Project Madurai - www.projectmadurai.org.
- Chennai Library- www.chennailibrary.com .
- Tamil Universal Digital Library- www.ulib.prg .
- Tamil E-Books Downloads- tamilebooksdownloads.blogspot.com

பொதுத்தமிழ் - III
26UGTL31

Sem	Course Code	Course Category	Hours	Credit	MARK FOR EVALUATION		
					CIA	ESE	TOTAL
III	26UGTL31	GT	6 Hrs	3	100	100	100
COURSE TITLE		பொதுத்தமிழ் - III					

COURSE OUTCOMES (பயன்கள்)

CO1	மாணவர்கள் காப்பியம், உரைநடை, ஊடகத்தமிழ், இலக்கணம், யாப்பு ஆகியவற்றின் அடிப்படைக் கருத்துக்கள்,பண்புகள், வரலாற்றுப் பின்னணிகளை அறிதல். (K1)
CO2	மாணவர்கள் தமிழ் இலக்கியவடிவங்கள் (காப்பியம்,உரைநடை) மற்றும் இலக்கணக் கூறுகளைப் (எழுத்து,சொல்,பொருள்,யாப்பு) புரிந்துகொண்டு அவற்றின் தனித்துவங்களைவிளங்கிக் கொள்ளல். (K2)
CO3	மாணவர்கள் கற்ற இலக்கணவிதிகள் மற்றும் யாப்புமுறைகளைப் பயன்படுத்தி சரியான தமிழ் வாக்கியங்களையும் செய்யுள்களையும் உருவாக்கப் பயிற்சியளித்தல். (K3)
CO4	மாணவர்கள் காப்பியங்கள் மற்றும் உரைநடைப் படைப்புகளைப் பகுத்து, ஆய்வுசெய்து,அதன் கருத்து,கட்டமைப்பு, இலக்கியநயம் ஆகியவற்றை ஆராய்தல். (K4)
CO5	மாணவர்கள் இலக்கியப் படைப்புகளைதரம்,மொழிநடை, இலக்கணஅமைப்பு ஆகியவற்றைவிமர்சனமுறையில் மதிப்பீடுதல், (K5)
CO6	மாணவர்கள் தமிழ் இலக்கணம் மற்றும் யாப்புஅடிப்படையில் சுயமாக செய்யுள்,கட்டுரை,உரைநடைப் படைப்புகளைஉருவாக்கப் பயிற்சியளித்தல்;.(K6)

UNITS	SYLLABUS CONTENTS	HOURS
I	1. சிலப்பதிகாரம் - வழக்குரைக் காதை. 2. மணிமேகலை- ஆபுத்திரன் திறம் அறிவித்தகாதை. 3. சீவகசிந்தாமணி- பதுமையர் இலம்பகம். 4. கம்பராமாயணம் - மந்தரைச் சூழ்ச்சிப் படலம். 1. சூளாமணி 2. உதயணகுமாரகாவியம் 3. இயேசுகாவியம் 4. மருமக்கள் வழி மான்மியம்	30
II	ஊரைநடை 1. காளத்திவேடனும் கங்கைவேடனும். 2. தீமையை இயற்றும் தன்மையினர் கூனி இயாகோ. 3. சிலம்புகாட்டும் சீர்மிகு சிந்தனைகள். 4. மணிமேகலை காப்பியத்தில் மானுட விழுமியங்கள். நாடகம் - வேலைக்காரி - அறிஞர் அண்ணா.	15
III	தமிழ் இலக்கிய வரலாறு (காப்பியங்கள்)	15
IV	இலக்கணம் - யாப்பு,எழுத்து, அசை. சீர்,தளை, அடி,தொடை,பா வகைகள்	15
V	ஊடகத்தமிழ் - விளக்கம், வகைகள்,செயல்பாடுகள் 1.இதழ்கள்	15

	2.வானொலி 3.தொலைக்காட்சி 4.திரைப்படம்	
TEXT BOOKS (பாடநூல்கள்)		
- தமிழ்த்துறைவெளியீடு-தூயசவேரியார்க் கல்லூரி,(தன்னாட்சி) பாளையங்கோட்டை. - வகைமைநோக்கில் தமிழ் இலக்கியவரலாறு-பாக்கியமேரி		
REFERENCE BOOKS (பார்வைநூல்கள்)		
- தமிழ் இலக்கியவரலாறு-சிற்பிபாலசுப்பிரமணியன் - புதியநோக்கில் தமிழ் இலக்கியவரலாறு-தமிழண்ணல் - தமிழ் இலக்கியவரலாறு-சேதுராமன்		
WEB SOURCES (இணையதளங்கள்)		
- Tamil Heritage Foundation – www.tamilheritage.org<http://www.tamilheritage.org> - Tamil Virtual University Library – www.tamilvu.org/library http://www.virtualvu.org/library - Project Madurai – www.projectmadurai.org - Chennai Library – www.chennailibrary.com<http://www.chennailibrary.com> - Tamil University Library – www.ulib.prg<http://www.ulib.prg> - Tamil E-books downloads – tamilebooksdownloads.blogspot.com - Tamil Books online – books.tamilcube.com - Catalogue of the Tamil Books in the library of British congress archive.org		

பொதுத்தமிழ் - IV

26UGTL41

Sem	Course Code	Course Category	Hours	Credit	MARK FOR EVALUATION		
					CIA	ESE	TOTAL
IV	26UGTL41	GT-IV	6 Hrs	3	100	100	100
COURSE TITLE		பொதுத்தமிழ்- IV					
COURSE OUTCOMES (பயன்கள்)							
CO1:	பழந்தமிழ் இலக்கியவரலாற்றறிவைப் பெறுதல் (K1, K2)						
CO2:	சங்க இலக்கிய அறிமுகங்களின் ஊடாகத் தமிழர் வாழ்வியல் நெறிகளை உணர்தல். (K2,K3)						
CO3:	தமிழ் இலக்கியங்களின் செய்யுள் உருவம்,உள்ளடக்கம், படைப்பியல் கொள்கைகளைப் புரிந்துகொள்ளுதல். (K4)						
CO4:	அகத்திணை,புறத்திணைவாழ்வியல் நெறிப்பாடுகளின் ஊடாகத் தமிழர்ப்பண்பாட்டு அடிப்படைகளை மதிப்பிடும் திறன் பெறுதல். (K2,K3)						
CO5:	மொழித்திறன்,படைப்புத்திறன் பெறுதல். (K3,K4)						
CO6:	நாடக இலக்கியஅனுபவத்தின் வழியாகதமிழ்ச் சமூகநிலைகளை இலக்கியமாக்கும் நுட்பங்களைப் பெறுதல். (K2,K6)						

UNITS	SYLLABUS CONTENTS	HOURS
I	செய்யுள் பகுதி 1 1. நற்றிணை (5பாடல்கள்) 2. குறுந்தொகை (5பாடல்கள்) 3. அகநானூறு (2பாடல்கள்) 4. புறநானூறு (5பாடல்கள்)	30
	செய்யுள் பகுதி 2 1. நெடுநல்வாடை முழுமையும் 2. திருக்குறள் (விருந்தோம்பல், நட்பாராய்தல், குறிப்பறிதல்) 3. நாலடியார் (கல்வி)	
II	உரைநடைக் கட்டுரைகள் 1. ஊரும் பேரும் - ரா.பி. சேதுபிள்ளை 2. தமிழர் பண்பாடும்அதன் சிறப்பியல்புகளும் - தனிநாயகம் அடிகளார் 3. இலக்கியஉருவாக்கமும் பயனும் - சேதுமணிமணியன் பயண இலக்கியம் 1. மண் புதிது - சுப்ரபாரதிமணியன்	15
III	தமிழ் இலக்கியவரலாறு 1. சங்ககாலம் 2. சங்கம் மருவியகாலம்	15
IV	இலக்கணம் -பொருள் 1. அகப்பொருள் 2. புறப்பொருள் 3. அணியிலக்கணம் (உவமை,உருவகம்,பிறிதுமொழிதல்,வஞ்சப்புக்கழ்ச்சி,தற்குறிப்பேற்ற அணி)	15
V	மொழிப்பயிற்சி 1. ஒப்பும் மறுப்பும் (ஒருகருத்தினை வெட்டி,ஒட்டி எழுதும் பயிற்சி) 2. விண்ணப்பம் எழுதுதல் (பயிற்சி) 3. தமிழில் தன்விவரக் குறிப்புரைதல் (பயிற்சி) 4. மேடைப்பேச்சு நுட்பங்கள் (நேர்முகப் பயிற்சிமற்றும் மதிப்பீடு)	15

TEXT BOOKS (பாடநூல்கள்)

1. பொதுத்தமிழ் பாடநூல், தமிழ்த்துறை வெளியீடு ,தூய சுவேரியார் கல்லூரி,பாளையங்கோட்டை.
2. பாக்கியமேரி,தமிழ் இலக்கியவரலாறு,பதினொன்றாம் பதிப்பு - 2025 ,பூவேந்தன் பதிப்பகம்,மயிலாப்பூர்,சென்னை.
3. சுப்பரத்திமணியன்இமண் புதிது,முதல் பதிப்பு 2018 அறிவுப்பதிப்பகம்,சென்னை.

REFERENCE BOOKS (பார்வைநூல்கள்)**பார்வை நூல்கள்**

1. மது.ச.விமலானந்தம்தமிழ் இலக்கியவரலாறு,
2. மு. வரதராசனார்,தமிழ் இலக்கியவரலாறு,
3. தமிழண்ணல்,புதியநோக்கில் தமிழ் இலக்கியவரலாறு.

WEB SOURCES (இணையதளங்கள்)

- Tamil Heritage Foundation – www.tamilheritage.org<<http://www.tamilheritage.org>>
- Tamil Virtual University Library – www.tamilvu.org/library
<http://www.virtualvu.org/library>
- Project Madurai – www.projectmadurai.org
- Chennai Library – www.chennailibrary.com<<http://www.chennailibrary.com>
- Tamil University Library – www.ulib.prg<<http://www.ulib.prg>>
- Tamil E-books downloads – tamilebooksdownloads.blogspot.com
- Tamil Books online – books.tamilcube.com
- Catalogue of the Tamil Books in the library of British congress archive.org

HINDI

SEMESTER 1

UNIT I: GRAMMAR

- Swar(स्वर),
- Vyanjan(व्यंजन),
- Barah Khadi(बारहखड़ी),
- Shabd aur Vakya Rachna (शब्द और वाक्य रचना)

UNIT II: SUBODH HINDI RACHNA

- Binna binna arth(भिन्न भिन्न अर्थ),
- Numbers (गिनती1-100),
- Vaakyong mein Prayag kijiye (वाक्यों में प्रयोग कीजिये)
- Rishto ke Naam (रिश्तो के नाम)
- Gharelu padartho ke Naam (घरेलु पदार्थों के नाम)

UNIT III: PROSE

- Sadharan Vakya aur Sangya (संज्ञा),
- Sarvanaam(सर्वनाम)
- Visheshan(विशेषण)
- Kriya (क्रिया)

UNIT IV: SHORT STORIES

- Bacho ki Kahaniya

UNIT V: COMPREHENSION

- Sant Tiruvalluvar, संत तिरुवल्लुवर,
- Hamara desh, (हमारा देश,)
- Paryavaran Sanrakshan, (पर्यावरण संरक्षण)
- Naari Sashaktikaran, (नारी सशक्तिकरण)
- Rastriya janvar(राष्ट्रीय जानवर)

Reference Books

Hindi sentences - Chaturbhuj Sahay

Subodh Hindi Grammar - Phoolchand Jain

Sankshipt Hindi Grammar - Kamta Prasad

Practical Hindi - Nagappa

Abhinav Hindi Grammar – Nagappa

Saral Hindi Grammar - Shyamchandra Kapur

Grammar Pradeep - Ramdev

Laghu Bal Kathaye - Ramashankar

Captivating Stories - Premchand

CONCISE GRAMMAR OF THE HINDI LANGUAGE - H.C Scholberg

Hindi Grammar - Edwin Greaves

SEMESTER II

UNIT I: Hindi Ekankiya

- Sooryodhaya(सूर्योदय),
- Mayoppiya (मायोपिया),
- Udhayan (उदयन),
- Upendranath Ashk – Lakshmi ka Swagat

Characters: (Tippani)

- Nirjarani (निर्झरणी),
- Sudhi(सुधी)
- Thathagath(तथागत),
- Udhayan (उदयन),

UNIT II: Hindi Kahaniya

- Premchand – Bade Ghar ki Beti
- Malathi Joshi – Vo Tera Ghar Yah Mera Ghar
- Gyanranjan - Pita

UNIT III: ANCIENT POETRY

- Pathya Chayanika– KabeerDhoha–Saaki (साखी) 1 to 10.

UNIT IV: Vyakaran

- Kriya Visheshan (क्रियाविशेषण),
- Sambandh Bodhak (संबंधबोधक),
- Samuchay Bodhak (समुच्चयबोधक)
- Vismayadi Bodhak (विस्मयादिबोधक) aadi shabdo ka prayog

UNIT V:

Pratiyogi Pariksha par aadharit Nimnalikhit Vishayo se sambandhit Prashikshan Karya

- Tamil Bhasha: Mahakavi Bharatiyar
- Sanket Vikas dwara Lekhan kala aur Kahani Lekhan ka Vikas
- Gadyansh dekhkar sahi Shirshak chunna
- Pathit Vyakaran par aadharit Vakya rachna
- Vibhinna Pratiyogi parikshao ke bare mein suchna pradan dena

Reference Books

- Sooryodaya (Dakshin Bharat Hindi Pracharsabha publications)
- Aath Ekanki Natak - Ed. Dr. Ramkumar Verma
- Das Ekanki

SEMESTER III

Niji Patra – Arth aur Bhed, Pitaji/Mataji ke naam patra, Mitra, Bhai aadi ke naam patra

UNIT I: Niji Patra Lekhan

- Niji Patra - Arth aur Bhed
- Pitaji/Mataji ke naam patra
- Mitra, Bhai aadi ke naam patra
- Paribhashik Shabdawali - 20 words

Unit II

- Samajik Patra Lekhan
- Aavedan Patra - Noukri, Chutti aadi
- Dak Adhikari ke naam patra
- Paribhashik shabdawali - 20 words

Unit III

- Vyavasayik Patra Lekhan
- Vyavasayik Patra - Arth aur Bhed
- Prakashak ke naam patra
- Shikayathi
- Paribhashik shabdawali - 20 words

Unit IV

- Samanya Parichay
- Sarkari Patra
- Ardh-Sarkari Patra
- Gyapan, Paripatra
- Anusmarak
- Paribhashik Shabdawali - 20 words

Unit V

- Precis Writing And Applied Grammar (Ling, Vachan and Karak)
- Karak (कारक)
- Vachan badaliye(वचन बदलिए),
- Ling badaliye(लिंग बदलिए)

Reference Books

- Viyavaharik Hindi, Hindi Prachar press, T.Nagar, Madras-600 017
- Alekhan aur Tippan - Prof. Viraj
- Alekhan Kichlu

SEMESTER IV

UNIT I: STORIES (दक्षिणी कथाएं)

- Meri pathni(मेरी पत्नी),
- Thotha aur Mynah(तोता और मैना),
- Noorunisha(नूरनिशा),
- Mruthudhand (मृत्यु दंड),
- Karmaveer(कर्मवीर) and their Characters.

UNIT II: Proud yogiki aur Hindi

- Unicode
- Dewanagari Lipi
- Hindi ki Vibhinna Website - Ek Parichay

UNIT III: POETRY (काव्यशास्त्र)

Ras :

- Kavyaras (काव्यरस),
- Veer ras (वीररस),

Sandh:

- Chowpayi (चौपाई),
- Rola(रोला),

Alankar:

- Yamakalankar (यमकअलंकार),
- Upmaalankar (उपमाअलंकार).

UNIT IV:

AUTOBIOGRAPHY (Sathya ka Swar–Gandhiji ki Jeevani)

- Ma, bap aur Janma(मां, बाप और जन्म)
- Ladakpan (लड़कपन)
- High school mein (हाई स्कूल में)
- Vivah aur Mamsabhakshan(विवाह और मांस भक्षण)
- Ankhen Kuli (आंखें खुली)

Unit V :Pratiyogi priksa par aadharit Computer sambandhit prashikshan Karya

- Hindi mein Powerpoint banana
- Hindi mein Google Document taiyar karna
- Hindi mein Google form taiyar karna
- Vibhinna pratiyogi parikshao ke bare mein suchna pradan karna

Reference Books

- Social Networking: Naye Samay ka Samvad – Ed. Sanjay Dwivedi
- Jansanchar aur Maas Culture - Jagdeeshwar
- Media: Bhumandalikaran aur Samaj - Ed. Sanjay Dwivedi
- Naye Jamane ki Patrakarita - Sourabh Shukla
- Patrakarita se Media tak - Manoj Kumar

French semester-I

UNIT. I

Communication:	Decrire la salle de classe et le professeur.
Grammaire :	Les articles indefinis et defines, les verbes reguliers et irreguliers.
Culture:	Les symbols de la France.
Projet:	Desiner les objets dans le sac et dans la trousse.

UNIT. II

Communication:	Parler de la journee.
Grammaire :	Les verbes pronominux,Affirmatif Negatif et interrogatif
Culture:	Les Frontieres de la France.
Projet:	Faire un rapport sur la journee des parents.

UNIT. III

Communication:	se presenter, parler de la nationlite, dire son numero de telephone.
Grammaire :	Les prepositions , Accord adjective nom, verbes aller venir.
Culture:	Les fete en France trditions et multi culturralisme.
Projet:	faire une liste des camarades et noter leurs numeros de telephone a haute voix et demander a un ami de verifier.

UNIT. IV

Communication:	parler de la nourriture et des repas simples et sains.Decrire les repas.
Grammaire :	L'impertif, Les articles partitifs,
Culture:	Les plats francais.
Projet:	Dessiner et decrire l nourriture que les gens mangent dans leur pays,

UNIT. V

Communication:	Exprimer ses gouts.
Grammaire :	Les adjectifs qulificatifs, les adjectifs possessifs, La negation.
Culture:	La France et ses regions.
Projet:	qu'est-ce que tu aimes faire pendant ton temps libre?

- Lecon 1.** La vie scolaire de luc
- Lecon 2.** La vie quotidienne de luc
- Lecon 3.** Le monde multiculturel
- Lecon 4.** La bonne nourriture
- Lecon 5.** Parlons de nos preferences

Ref.Avenir method de francais 3

**French
Semester-II**

UNIT. I

Communication:	Demander et donner les directions , Situer un endroit (sur la carte)
Grammaire :	Les prepositions L'interrogation.
Culture:	Les vêtements français.
Projet:	Faire une carte de la ville imaginaire.

UNIT. II

Communication:	Parler de la semaine ,Parler des activités faites pendant la semaine.
Grammaire :	Les articles contractes,Les adjectifs démonstratifs, les expressions avec les verbes Faire et Avoir.
Culture:	Les villes connues en France.
Projet:	Préparer un emploi du temps avec des activités faites pendant la semaine.

UNIT. III

Communication:	Parler du passé, Raconter le week end dernier.
Grammaire :	Le passé composé avec l'auxiliaire avoir, La formation du participe passé.
Culture:	Noël
Projet:	Faire un petit dossier sur les activités faites pendant les vacances d'été.coller les photos de ces activités faites.

UNIT. IV

Communication:	Parler du passé, Raconter les vacances dernières
Grammaire :	Le passé composé avec l'auxiliaire être.
Culture:	Les montagnes en France.
Projet:	Préparer un dossier sur la fête favorite célébrée l'année dernière.

UNIT. V

Communication:	Parler de la ville de demain , Exprimer des projets et des prédictions.
Grammaire :	Le futur proche, Le futur simple.
Culture:	Les monuments en France.
Projet:	Imaginer et présenter la ville du futur

Leçon 6. Sara cherche son chemin

Leçon 7. Ma semaine en action

Leçon 8. Mon weekend dernier

Leçon 9. Mon séjour à Annecy

Leçon 10. La ville du futur

Ref.Avenir method de français 3

French
semester-III

UNIT. I

- Communication:** Decrier ce que les Francais aiment faire , Parler de la vie des Francais.
- Grammaire :** Les articles indefinis et defins ,Les articles partitifs,Les articles contractes.
- Culture:** La France dans le Coeur des Francais.
- Projet:** Preparer un dossier sur ce que les gens du pays aiment faire.

UNIT. II

- Communication:** Comparer la vie des adolescents d'autrefois et d'aujourd'hui.
- Grammaire :** Le negation,Les articles.
- Culture:** Les sous cultures adolescents.
- Projet:** Decrivez la vie des adolescents d'hier et d'aujourd'hui.

UNIT. III

- Communication:** Parler d'un sport.
- Grammaire :** L'imperatif,L'interrogation questions/reponses,Lesconjonctins.
- Culture:** Le sport en France.
- Projet:** Parler du sport favort.

UNIT. IV

- Communication:** Decriver les vacances,Racontredes experiences,Envoyerles mails.
- Grammaire :** Le passe compose.
- Culture:** La France ,une destination touristique.
- Projet:** Dessiner ou coller les images de l'anniversaire fete l'annee derniere, rediger un petit texte pour raconter ce jour.

UNIT. V

- Communication:** Parler d'une sortie scolaire,Ecrire un e-mail.
- Grammaire :** Le passe recent, le futur proche .
- Culture:** Les penitures celebres du muse du Louvre.
- Projet:** Ecris sur une visite au muse.

- Lecon 1.** Esprit Francais.
- Lecon 2.** Les ados modernes
- Lecon 3.** Une grande aventure a velo
- Lecon 4.** Un sejour a nice
- Lecon 5.** La sortie au muse scientifique

Ref.Avenir method de francais 4

French
Semester-IV

UNIT. I

Communication:	Parler de l'automobile
Grammaire :	Les adjectifs les verbes .
Culture:	Les automobiles en France.
Projet:	Faire un dossier sur ta voiture .Coller une photo de cette voiture et decire cette voiture.

UNIT. II

Communication	Reflechir aux villes a venir,Parler des projets d'avenir.
Grammaire :	Le futur simple ,le futur proche.
Culture:	Les projets d'avenir en France
Projet:	preparer un dossier sur les changements attendus dans la ville

UNIT. III

Communication:	partager la recette , Parler de la nourriture.
Grammaire :	Les adverbs de quantite,l'adjectif indefini.
Cultur	les fetes et les traditions.
Projet:	Preparerun dossier sur un dessert prefereet parle de son origine.

UNIT. IV

Communication:	Discuter les avantages d'internet,Ecrire un blog.
Grammaire :	Les adjectifs demonstratifs , Les adjectifs possessifs ,Les prepositions.
Culture:	Les principaux medias francais.
Projet:	Faire un rapport sur les avantages et les inconvenients d'internet.

UNIT. V

Communication:	Rediger des invitations , Ecrire des .messages les consignes, Repondre a une invitation.
Grammaire :	Les verbes pronominaux , les verbes pronominaux a l'impertif.
Culture:	Les arts du spectacle en France.
Projet:	Rediger une belle invitation pour feter l'anniversaire d'un grand parent.

Lecon 6. Le monde des automobiles

Lecon 7. La vie en 2050

Lecon 8. L'epiphanie en France

Lecon 9. La vie en ligne

Lecon 10. On fait quoi ce week-end?

Ref.Avenir method de francais 4

GENERAL ENGLISH

DEPARTMENT OF ENGLISH

UG – PART II - GENERAL ENGLISH

(The Seven-Tier Pattern recommended by UGC Curriculum Development Centre and Identified as Best Practice by NAAC)

	Stream A (For learners of high entry level proficiency)	Stream B (For learners of average entry level proficiency)	Stream C (For learners of low entry level proficiency)
Courses in Semester I	IV 26UGEL14	III 26UGEL13	I 26UGEL11
Courses in Semester II	V 26UGEL25	IV 26UGEL24	II 26UGEL22
Courses in Semester III	VI 26UGEL36	V 26UGEL35	III 26UGEL33
Courses in Semester IV	VII 26UGEL47	VI 26UGEL46	IV 26UGEL44

GENERAL COURSE OUTCOMES

CO1 Acquire the four language skills (Listening, Speaking, Reading, and Writing)

CO2 Develop the skill of independent reading and interpreting of graded texts

CO3 Expand and consolidate active and passive vocabulary

CO4 Acquire the skills needed to participate in a conversation that builds knowledge collaboratively

CO5 Acquire a clear understanding of English Grammar to facilitate the accuracy of communication.

CO6 Develop the skills of formal written communication to be used in academic and career-related contexts

TEXTS

Course I – *SPARK I: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

Course II - *SPARK II: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

Course III - *SPARK III: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

Course IV - *SPARK IV: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

Course V - *SPARK V: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

Course VI – *SPARK VI: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

Course VII - *SPARK VII: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.

EXTERNAL EXAMINATION

❖ External Examination has two components:

1) Written Examination and 2) Spoken English Viva Voce

❖ A three-hour written examination will be conducted for 100 marks for all General English papers and the scores will be converted to 40 marks, with a pass minimum of 16 marks.

❖ At the end of every semester, Spoken English Viva Voce will be conducted for all the students for 100 marks (four components) and the scores will be converted to 10 marks, with a required pass minimum of 4 marks.

❖ To pass in any General English paper, a student must secure the pass minimum of 40 out of 100 (16/40 in Written Examination and 4/10 in Spoken English Viva Voce Examination).

Distribution of marks: **Written Exam** (100 marks) Converted to 40 marks
 Spoken English Viva voce (100 marks) Converted to 10 marks
 TOTAL (40+10) = 50 marks

INTERNAL ASSESSMENT

❖ Two Internal Examinations shall be conducted for 50 marks each along with the Continuous Internal Assessments for 30 marks.

❖ The internal assessment for the courses may include skill-based activities such as seminar presentation/spoken English /critical podcast/ video essay/ creating a 5–8 slides on a topic/ composing a poem/ submitting a relevant photo with description etc.

In both the Internal Examinations and Semester Written Examination, 40% of the mark is allotted for literature-based questions, and 60% of the mark is allotted for grammar and composition exercises.

General English Evaluation Procedure

Internal Examination			Converted to	Total
CIA 1 (Written)	50	Converted to 70	50	100
CIA 2 (Written)	50			
Two Classroom Assessments (Spoken/Skill-based Activities) 2x 15	30	30		
External Examination			Converted to	
Semester Exam (Written)	100	Converted to 40/ (Pass Min. 16)	50	
Semester Viva Voce 4x25 (Spoken)	100	Converted to 10/ (Pass Min. 4)		

Course I

Hours: 6

Course Code: 26UGEL11

Credits: 3

LEARNING OUTCOMES

LO1 To provide an ambience to acquire the basic language skills, listening, speaking, reading, and writing

LO2 To make the learners learn the basic elements of grammar

LO3 To enable them to involve in basic communicative activities

LO4 To develop basic vocabulary

LO5 To help the learners comprehend and respond in English

LO6 To build confidence in using English to communicate

UNIT – I POETRY (READING AND WRITING SKILLS)

1. Sarojini Naidu- “Indian Weavers”
2. Robert Burns – “My Love is like a Red Red Rose”

UNIT – II SHORT STORIES (READING AND WRITING SKILLS)

1. W. Somerset Maugham – “The Ant and the Grasshopper”
2. Guy De Maupassant – “The Necklace”

UNIT –III GRAMMAR AND VOCABULARY SKILLS

1. Use of Verbs: Verb Grid (Positive, Negative & Question), Regular Verbs, Irregular Verbs & Modal
2. Tenses: Active Voice Tenses & Passive Voice Tenses
3. Use of Nouns: Forms of Personal Pronouns, Use of Nouns as Subject, Object, Complement and Object of the Preposition
4. Sentence Patterns: SV, SVO, SVC, SVA, SVOA, SVIODO
5. Punctuation and Capitalisation
6. Reading Comprehension (5 Anecdotes and 5 Wisdom Stories)

UNIT – IV LISTENING AND SPEAKING SKILLS

1. Listening Practice –Listen and Do exercises: Listening to English songs, simple Indian short stories, homonyms/homophones
2. Pronunciation Practice: Vegetables, Fruits, Flowers, Trees, Spices, Eatables
3. Introducing Oneself
4. Introducing Others

UNIT –V LISTENING AND SPEAKING SKILLS

1. Greetings
2. Making Request
3. Reading Aloud (From the text)
4. Describing a place / a picture (With hints)

COURSE OUTCOMES

Learners will be able to

CO1 Use grammatical structures in meaningful constructions

- CO2** Use oral communication for day-to-day activities
CO3 Use simple sentences for oral and written communication
CO4 Use punctuation and capitalisation accurately
CO5 Comprehend what they listen to, and respond to it at the primary level
CO6 Read and appreciate simple stories and anecdotes

TEXT BOOKS

- *SPARK I: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.
- *Intermediate English Grammar* by Raymond Murphy. Cambridge University Press, 2019.

REFERENCE

- *Spoken English: A Foundation Course* by Kamalesh Sadanand and Susheela Punitha, Orient Longman Private Limited, 2008, ISBN 81-250-3467-6.
- *Spoken English for You* by G. Radhakrishna Pillai and K. Rajeevan, Emerald Publishers, 1987, ISBN 978-81-7966-023-2.
- *Better English Pronunciation* by Thakur KBP Sinha, Vijay Nicole Imprints, 2005, ISBN 81-8209-068-7.
- Bhatnagar, R. P. *English for Competitive Examinations*, India: Trinity Press, 2017
- Sinha, R. P. *Current English Grammar and Usage with Composition*. India: Oxford University Press, 2018.

QUESTION PATTERN

SEMESTER EXAMINATION

Marks

PART A - MCQs (7 from each of the Units I, II & 6 from Unit III) 20

PART B - Compulsory - Units I, II & III (5X3) 15

- Unit I - Short answer/ ERC
- Unit II - Short answer/ ERC
- Verb Grid (be verb)
- Verb Grid (possessive)
- Verb Grid (action/passive)

PART C – Compulsory- Unit III (5x7) 35

- Use of Verbs: Verb Grid
- Tenses
- Use of Nouns
- Sentence Patterns
- Punctuation and Capitalisation

PART D - (3x10) 30

- Essay (250 words) Unit I (Either/or)
- Essay (250 words) Unit II (Either/or)
- Compulsory -Comprehension

TOTAL 100

INTERNAL EXAMINATIONS	Marks
PART A - MCQs 6X1(2 from each of the Units I, II & III)	6
PART B- Compulsory - one question from each of the Units I, II & III	
1 Short answer/ 1 ERC / Grammar (3X3)	9
PART C –Compulsory (Unit III) (3X5)	15
PART D- (2X10)	20
• Essay - Either /or Units – I & II 250 words • Compulsory- Grammar/ Composition	
TOTAL	50

INTERNAL ASSESSMENTS Marks

Skill-based activity - 2x15 30
 (Seminar presentation/Spoken English/Critical Podcast/ Video Essay/ Creating a 5–8 slide on a topic/
 Composing a poem/ Submitting a relevant photo with description, etc.)
TOTAL 30

Viva Voce Components: 100 Marks

1. Introducing Oneself / Others (25)
2. Reading Aloud (From the text) (25)
3. Describing a place / a picture (With hints) (25)
4. Conversation with the examiner (Greetings/ Making Request) (25)

COURSE II

Hours: 6

Course Code: 26UGEL22

Credits: 3

LEARNING OUTCOMES

LO1 To provide an ambience to acquire the basic language skills, listening, speaking, reading, and writing

LO2 To make the learners frame questions and answers

LO3 To enable them to involve in basic communicative activities

LO4 To develop a comprehensible use of adjectives

LO5 To help the learners comprehend and respond in English

LO6 To develop oral communication for day-to-day activities

UNIT – I POETRY (READING AND WRITING SKILLS)

1. Rabindranath Tagore – “Leave this Chanting and Singing”
2. Gerard Manley Hopkins- “God’s Grandeur”

UNIT – II SHORT STORIES (READING AND WRITING SKILLS)

1. Sister Nivedita - “The Judgement Seat of Vikramaditya”
2. Stephen Leacock - “With the Photographer”

UNIT – III GRAMMAR AND VOCABULARY SKILLS

1. Use of Adjectives
2. Use of Conditional ‘If’ (Probable & Improbable Conditions)
3. Use of ‘who’, ‘which’, ‘where’ & ‘that’ in combining sentences
4. Framing questions – ‘Wh –’ & ‘Yes’ / ‘No’ Questions
5. Prefixes and Suffixes
6. Developing Hints into a Paragraph

UNIT – IV LISTENING AND SPEAKING SKILLS

1. Listening Practice – Listen and Do exercises: Sound patterns and words ending ‘s’ endings and ‘d’ endings, and Listening to English songs and Indian short stories
2. Pronunciation Practice: Medical Terms/ Names of Ailments/People /Currency/ Countries and Capitals/World-famous Cities
3. Making Requests
4. Offering help

UNIT – V LISTENING AND SPEAKING SKILLS

1. Seeking Permission
2. Expressing Gratitude
3. Reading Aloud (from the Prescribed Text)
4. Narrating a Story (from Hints)

COURSE OUTCOMES

Learners will be able to

CO1 Use grammatical structures in meaningful contexts

CO2 Use oral communication for day-to-day activities

CO3 Use simple sentences for oral and written communication

CO4 Use enhanced vocabulary

CO5 Comprehend and respond to what they listen to at the secondary level
CO6 Read and appreciate simple pieces of fiction and non-fiction

TEXT BOOKS

- *SPARK II: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.
- *Intermediate English Grammar* by Raymond Murphy. Cambridge University Press, 2019.

REFERENCE

- *Spoken English: A Foundation Course* by Kamalesh Sadanand and Susheela Punitha, Orient Longman Private Limited, 2008, ISBN 81-250-3467-6.
- *Spoken English for You* by G. Radhakrishna Pillai and K. Rajeevan, Emerald Publishers, 1987, ISBN 978-81-7966-023-.
- *Better English Pronunciation* by Thakur KBP Sinha, Vijay Nicole Imprints, 2005, ISBN 81-8209-068-7.
- Bhatnagar, R. P. *English for Competitive Examinations*, India: Trinity Press, 2017.
- Sinha, R. P. *Current English Grammar and Usage with Composition*. India: Oxford University Press, 2018.

QUESTION PATTERN

SEMESTER EXAMINATION	Marks
PART A – MCQs (7 from each of the Units I, II, and 6 from Unit III)	20
PART B – Compulsory Units I, II & III - Short answers/ ERC/Grammar (5X3)	15
• Unit I - Short answer/ ERC • Unit II - Short answer/ ERC • Prefixes • Suffixes • Adjectives	
PART C – Compulsory Unit III (5x7)	35
• Adjectives • Use of 'who' & 'where' in combining sentences • Use of 'which' & 'that' in combining sentences • Framing questions – 'Wh –' & 'Yes' / 'No' Questions • Developing Hints into a Paragraph	
PART D – (3x10)	30
• Essay (250 words) Unit I (Either/or) • Essay (250 words) Unit II (Either/or) • Compulsory -Use of Conditional 'If' (Probable & Improbable Conditions)	
TOTAL	100

INTERNAL EXAMINATIONS Marks

PART A - MCQs 6X1(2 from each of the Units I, II & Unit III)	6
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PART B- Compulsory-one question from each of the Units I, II & III	
1 Short answer/ 1 ERC/ Grammar (3X3)	9
PART C –Compulsory (Unit III) (3X5)	15
PART D – (2X10)	20
• Essay - Either /or Units – I & II 250 words • Compulsory - Grammar/ Composition	
TOTAL	50

INTERNAL ASSESSMENTS Marks

Skill based activity – 2x15 30
 (Seminar presentation/Spoken English/Critical Podcast/ Video Essay/ Creating a 5–8 slide on a topic/
 Composing a poem/ Submitting a relevant photo with description, etc.)
TOTAL 30

Viva-Voce Components: 100 Marks

1. Pronunciation: Medical Terms/ Names of Ailments/People /Currency/ Countries and Capitals/ World famous Cities (25)
2. Conversation: Making Requests/Offering help/Seeking Permission /Expressing Gratitude (25)
3. Reading Aloud (from the Prescribed Text) (25)
4. Narrating a Story (from Hints) (25)

COURSE III

Hours: 6

Course Code: 26UGEL13, 26UGEL33

Credits: 3

LEARNING OUTCOMES

LO1 To involve the learners in reading and interpreting English in poetry and prose (Fiction and Non-fiction)

LO2 To enable learners to write about prescribed literature

LO3 To help learners learn the appropriate use of articles, prepositions and adverbs

LO4 To help learners develop vocabulary register through homonyms, homophones and homographs

LO5 To facilitate in learners, the ability to create a narration based on hints

LO6 To build confidence in the learners to speak English for specific purposes

UNIT – I POETRY (READING AND WRITING SKILLS)

1. William Shakespeare – “All the World’s a Stage”
2. P. B. Shelley – “Ozymandias”
3. Oliver Goldsmith – “The Village Schoolmaster”

UNIT – II SHORT STORIES/ PROSE (READING AND WRITING SKILLS)

1. O. Henry – “The Gift of the Magi”
2. Katherine Mansfield – “A Cup of Tea”
3. Mark Twain – “A Day at Niagara”

UNIT – III GRAMMAR AND VOCABULARY SKILLS

1. Articles
2. Prepositions
3. Adverbs
4. Spotting Errors (Articles/ Prepositions / Adverbs)
5. Homonyms, Homophones, Homographs
6. Constructing a story using hints

UNIT –IV LISTENING AND SPEAKING SKILLS

1. Listening Practice: Listen and Do exercises: Listening to short passages , short stories (Indian and British) , English songs, *Mind your Language* (Episodes:1-2)
2. Pronunciation Practice : Words related to professions
3. Words generally mispronounced
4. Telephonic Conversation
5. Making Suggestions

UNIT – V LISTENING AND SPEAKING SKILLS

1. Complimenting / Congratulating
2. Expressing Sympathy
3. Reading aloud
4. Describing a picture/ Describing a process
5. Personal Conversation (Habits, Hobbies, Future Plan)

COURSE OUTCOMES

Learners will be able to

CO1 Read and understand English in poetry and prose (Fiction and Non-Fiction)

CO2 Write coherent essays about the prescribed literature

CO3 Use articles, prepositions and adverbs appropriately

CO4 Use homonyms, homophones, and homographs appropriately, ensuring clarity and precision in their spoken and written English

CO5 Create a narration from hints

CO6 Speak English confidently in a descriptive as well as expository style

TEXT BOOKS

- *SPARK III: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.
- *Intermediate English Grammar* by Raymond Murphy. Cambridge University Press, 2019.

REFERENCE

- *Spoken English: A Foundation Course* by Kamalesh Sadanand and Susheela Punitha, Orient Longman Private Limited, 2008, ISBN 81-250-3467-6.
- *Spoken English for You* by G. Radhakrishna Pillai and K. Rajeevan, Emerald Publishers, 1987, ISBN 978-81-7966-023-2.
- *Better English Pronunciation* by Thakur KBP Sinha, Vijay Nicole Imprints, 2005, ISBN 81-8209-068-7.
- Bhatnagar, R. P. *English for Competitive Examinations*, India: Trinity Press, 2017.
- Sinha, R. P. *Current English Grammar and Usage with Composition*. India: Oxford University Press, 2018.

QUESTION PATTERN

SEMESTER EXAMINATION

Marks

PART A - MCQs (7 from each of the Units I, II, and 6 from Unit III) 20

PART B - Compulsory - Units I, II & III (5X3) 15

- Unit I - Short answer/ ERC
- Unit II - Short answer/ ERC
- Articles
- Prepositions
- Adverbs

PART C – Compulsory - Unit III (5x7) 35

- Articles
- Prepositions
- Adverbs
- Homonyms, Homophones, Homographs
- Constructing a story using hints

PART D - (3x10) 30

- Essay (250 words) Unit I (Either/or)

- Essay (250 words) Unit II (Either/or)
- Compulsory -Spotting Errors (Articles/ Prepositions / Adverbs)

TOTAL 100

INTERNAL EXAMINATIONS

Marks

PART A - MCQs 6X1(2 from each of the Units I, II &Unit III)

6

PART B- Compulsory one question from each of the Units I, II & III

1 Short answer/ 1 ERC/ Grammar (3X3)

9

PART C – Compulsory- (Unit III) (3X5)

15

PART D- (2X10)

20

- Essay - Either /or Units – I & II 250 words

- Compulsory- Grammar/ Composition

TOTAL 50

INTERNAL ASSESSMENTS Marks

Skill based activity – 2x15 30

(Seminar presentation/Spoken English/Critical Podcast/ Video Essay/ Creating a 5–8 slide on a topic/ Composing a poem/ Submitting a relevant photo with description etc.)

TOTAL 30

Viva-Voce Components: 100 Marks

1. Pronunciation: Words related to professions /Words generally mispronounced (25)
2. Conversation: Making Suggestions /Complimenting / Congratulating /Expressing Sympathy / Habits, Hobbies, Future Plan (25)
3. Reading aloud (25)
4. Describing a picture/ Describing a process (25)

COURSE IV

Hours: 6

Course Code: 26UGEL14, 26UGEL24, 26UGEL44

Credits: 3

LEARNING OUTCOMES

LO1 To make learners read and understand intermediate level poetry and prose

LO2 To encourage learners to continue building a vocabulary register as the students interpret, speak, and write about prescribed literature

LO3 To make learners use tenses and concord in meaningful constructions

LO4 To enable learners to employ appropriate synonyms and antonyms in written and spoken communication

LO5 To help learners learn the different types of letters, resumes and the art of composing e-mails and the use of appropriate language

LO6 To build confidence in students to speak English naturally and clearly, moving from basic sounds and reading practice to advanced conversations about books and real-world issues

UNIT – I POETRY (READING AND WRITING SKILLS)

1. John Milton – “On His Blindness”
2. Lewis Carroll – “The Walrus and the Carpenter”
3. Rudyard Kipling – “If”

UNIT – II SHORT STORIES /DRAMA (READING AND WRITING SKILLS)

1. Rabindranath Tagore – “The Postmaster”
2. Ernest Hemingway– “Cat in the Rain”
3. Fritz Karinthy – “The Refund”

UNIT – III GRAMMAR AND VOCABULARY SKILLS

1. Tenses
2. Concord
3. Spotting Errors (Tenses and Concord)
4. Describing a thing / a place / an event
5. Synonyms and Antonyms (Bhatnagar)
6. Letter Writing (Formal & Informal), Resumes and Composing emails

UNIT – IV LISTENING AND SPEAKING SKILLS

1. Listening Practice: Listen and Do exercises: Listening to conversations, announcements, interviews of popular personalities, and *Mind your Language* (Episodes: 3-4)
2. Complaining
3. Apologising
4. Offering encouragement and responding to them
5. Warning Someone

UNIT –V LISTENING AND SPEAKING SKILLS

1. Pronunciation Practice: Vowels and Diphthongs & Strong and Weak forms of words
2. Reading Aloud
3. Issue-based conversation

4. Speaking about prescribed literature
5. Speaking on a given topic

COURSE OUTCOMES

Learners will be able to

CO1 Read, interpret, and analyse intermediate level of English in poetry, prose, and fiction

CO2 Write coherent essays on prescribed literature

CO3 Use the various tense forms accurately with proper subject - verb agreement

CO4 Compose logically organized descriptive paragraphs, formal letters, professional resumes and emails

CO5 Use synonyms and antonyms appropriately, allowing for more expressive, varied, and accurate communication

CO6 Speak English fluently with confidence in an expository as well as analytical style

TEXTBOOKS

- *SPARK IV: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.
- *Intermediate English Grammar* by Raymond Murphy. Cambridge University Press, 1999.

REFERENCE

- *Spoken English: A Foundation Course* by Kamalesh Sadanand and Susheela Punitha, Orient Longman Private Limited, 2008, ISBN 81-250-3467-6.
- *Spoken English for You* by G. Radhakrishna Pillai and K. Rajeevan, Emerald Publishers, 1987, ISBN 978-81-7966-023-2.
- *Better English Pronunciation* by Thakur KBP Sinha, Vijay Nicole Imprints, 2005, ISBN 81-8209-068-7.
- Bhatnagar, R. P. *English for Competitive Examinations*. India: Trinity Press, 2017.
- Sinha, R. P. *Current English Grammar and Usage with Composition*. India: Oxford University Press, 2018.

QUESTION PATTERN

SEMESTER EXAMINATION	Marks
PART A - MCQs (7 from each of the Units I, II, and 6 from Unit III)	20
PART B- Compulsory- Units I, II & III (5X3)	15
• Unit I - Short answers/ ERC • Unit II - Short answers/ ERC • Tenses • Concord • Spotting Errors (Tenses and Concord)	
PART C – Compulsory- Unit III (5x7)	35
• Tenses	

- Concord
- Spotting Errors (Tenses and Concord)
- Describing a thing / a place / an event
- Synonyms(4) and Antonyms(3)

PART D - (3x10)	30
• Essay (250 words) Unit I (Either/or) • Essay (250 words) Unit II (Either/or) • Compulsory- Letter Writing/Resumes/ Composing emails	

TOTAL	100
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INTERNAL EXAMINATIONS Marks

PART A - MCQs 6X1(2 from each of the Units I, II & Unit III)	6
PART B- Compulsory one question from each of the Units I, II & III 1 Short answers/ 1 ERC/ Grammar (3X3)	9
PART C –Compulsory (Unit III) (3X5)	15
PART D- (2X10)	20
• Essay - Either /or Units – I & II 250 words • Compulsory- Grammar/ Letter writing/ Composition	
TOTAL	50

INTERNAL ASSESSMENTS Marks

Skill based activity – 2x15	30
(Seminar presentation/Spoken English/Critical Podcast/ Video Essay/ Creating a 5–8 slide on a topic/ Composing a poem/ Submitting a relevant photo with description, etc.)	
TOTAL	30

Viva-Voce Components: 100 Marks

1. Reading Aloud (25)
2. Issue-based conversation (25)
3. Speaking about prescribed literature (25)
4. Speaking on a given topic (25)

COURSE V

Hours: 6

Course Code: 26UGEL25, 26UGEL35

Credits: 3

LEARNING OUTCOMES

LO1 To introduce learners to the intermediate level of English through prescribed literature

LO2 To make learners read, interpret, and write about prescribed pieces of literature

LO3 To make learners learn complex language structures, the appropriate use of conjunctions and voice forms

LO4 To help learners become familiar with the accurate use of language with an awareness of common errors in language use

LO5 To make learners understand the logical sequence of ideas within a paragraph

LO6 To make learners speak English fluently with confidence, argue both sides of a topic with confidence, and discuss difficult modern issues with logic and ease

UNIT – I POETRY (READING AND WRITING SKILLS)

1. William Wordsworth – “The Solitary Reaper”
2. H.W. Longfellow – “A Slave’s Dream”
3. Robert Frost – “The Road Not Taken”

UNIT – II PROSE/ DRAMA (READING AND WRITING SKILLS)

1. Oscar Wilde - “The Model Millionaire”
2. A. A. Milne – “The Boy Comes Home”
3. Francis Bacon – “Of Friendship”

UNIT – III GRAMMAR SKILLS

1. Synthesis and Transformation of Sentences (Simple, Compound & Complex)
2. Conjunctions
3. Active – Passive Voice
4. Spotting Errors (Simple, Compound & Complex sentences/ Conjunctions/ Active – Passive Voice)

UNIT – IV ADVANCED WRITING/ VOCABULARY AND ANALYTICAL SKILLS

1. Expansion of Ideas / Proverbs
2. Dialogue Writing
3. Words often confused (Bhatnagar)
4. Sentence Arrangement

UNIT – V LISTENING AND SPEAKING SKILLS

1. Listening Practice - Listen and Do exercises: Listening to news reading, directions, stories in American English, and watching movies

2. Pronouncing Words ending with common Inflections (like – ‘logy’ ‘- graphy’ ‘-ation’ etc.),
Pronouncing ‘R’ in different positions
3. Reading and Interpreting
4. Turncoat
5. Expand a Proverb
6. Issue-Based Conversation

COURSE OUTCOMES

Learners will be able to

CO1 Read, interpret and analyse poetic English to understand open possibility of inferences

CO2 Write logically planned essays to address specific questions concerning prescribed literature

CO3 Understand the forms and structural differences in different types of sentences and their specific purposes

CO4 Use complex language structures with appropriate conjunctions and voice forms

CO5 Use vocabulary actively with an awareness of words often confused

CO6 Use Spoken English fluently with confidence and accuracy for specific purposes such as analytical, argumentative, and expository talks

TEXT BOOKS

- *SPARK V: An Integrated Course Text for General English*, Department of English, St. Xavier’s College (Autonomous), Palayamkottai.
- *Intermediate English Grammar* by Raymond Murphy. Cambridge University Press, 1999.

REFERENCE

- *Spoken English: A Foundation Course* by Kamalesh Sadanand and Susheela Punitha, Orient Longman Private Limited, 2008, ISBN 81-250-3467-6.
- *Spoken English for You* by G. Radhakrishna Pillai and K. Rajeevan, Emerald Publishers, 1987, ISBN 978-81-7966-023-2.
- *Better English Pronunciation* by Thakur KBP Sinha, Vijay Nicole Imprints, 2005, ISBN 81-8209-068-7.
- Bhatnagar, R. P. *English for Competitive Examinations*. India: Trinity Press, 2017.
- Sinha, R. P. *Current English Grammar and Usage with Composition*. India: Oxford University Press, 2018.

QUESTION PATTERN

SEMESTER EXAMINATION

Marks

PART A - MCQs (8 from Unit I, 7 from Unit II, and 5 from Unit III)	20
PART B- Compulsory Units I & II – 3 Short answers/ 2 ERC (5X3)	15
PART C – Compulsory - Unit III &IV (5x7)	35

- Synthesis and Transformation of Sentences (Simple, Compound & Complex)
- Conjunctions
- Active – Passive Voice
- Expansion of Ideas / Proverbs
- Words often confused

PART D - (3x10) 30

- Essay (250 words) Unit I & II (Either/or)
- a) Dialogue Writing (5) b) Sentence Arrangement (5)
- Compulsory -Spotting Errors (Simple, Compound & Complex sentences/ Conjunctions/ Active – Passive Voice)

TOTAL
100

INTERNAL EXAMINATIONS Marks

PART A - MCQs 6X1(1 from Units I & II , 5 from Units III & IV) 6
 PART B- Units I & II – 2 Short answers/ 1 ERC (3X3) 9
 PART C –Compulsory (Units III & IV) (3X5) 15
 PART D- (2X10) 20

- Essay - Either /or Units – I & II 250 words
- Compulsory -Grammar/ Letter writing/ Composition

TOTAL **50**

INTERNAL ASSESSMENTS Marks

Skill based activity – 2x15 30
 (Seminar presentation/Spoken English/Critical Podcast/ Video Essay/ Creating a 5–8 slide on a topic/
 Composing a poem/ Submitting a relevant photo with description, etc.)

TOTAL 30

Viva-Voce Components: 100 Marks

1. Reading and Interpreting (25)
2. Turncoat (25)
3. Expand a Proverb (25)
4. Issue-Based Conversation (25)

COURSE VI

Hours: 6

Course Code: 26UGEL36, 26UGEL46

Credits: 3

LEARNING OUTCOMES

LO1 To introduce learners to the advanced level of poetic English through representative pieces, to make them understand the oblique use of language

LO2 To make them read and understand classical English novel

LO3 To familiarise them with advanced language structures and the use of idioms and phrasal verbs

LO4 To make them understand and use different degrees for comparison, and use language for reporting speech

LO5 To acquaint them with the skills of expanding or developing, condensing ideas and responding to advertisements

LO6 To make them organize their professional knowledge into clear speeches, and discuss important world issues with confidence and logic

UNIT –I POETRY (READING AND WRITING SKILLS)

1. John Keats – “La Belle Dame Sans Merci”
2. John Donne – “Death Be Not Proud”
3. Walt Whitman – “O Captain! My Captain!”

UNIT - II FICTION (READING AND WRITING SKILLS)

George Orwell –*Animal Farm*

UNIT – III GRAMMAR AND VOCABULARY SKILLS

1. Degrees of Comparison
2. Direct- Indirect Speech
3. Spotting Errors/Correcting Errors (Comprehensive)
4. Idioms and Phrasal Verbs (Bhatnagar)

UNIT – IV ADVANCED WRITING AND ANALYTICAL SKILLS

1. Précis Writing
2. Essay Writing
3. Responding to the given advertisement
4. Cloze Test

UNIT – V LISTENING AND SPEAKING SKILLS

1. Listening Practice - Listen and Do exercises: Listening to famous speeches, poetry renditions, sports commentary, and TED Talks
2. Pronunciation Practice: Words generally often mispronounced
3. Reading and Interpretation
4. Issue-Based Conversation
5. Public speaking on a subject topic

6. Extempore

COURSE OUTCOMES

Learners will be able to

CO1 Read and interpret the oblique language of poetry and write appreciative essays on the prescribed literature

CO2 Read, interpret, and write analytical essays about prescribed literature

CO3 Use advanced grammar structures to report speech and use the three degrees of comparison for intended emphasis

CO4 Use advanced nuances of language such as idioms and phrasal verbs

CO5 Write reflective, descriptive, expository and imaginative essays with appropriate content, and condense material to a précis

CO6 Use English fluently and accurately for public speaking, extempore and other specific purposes

TEXT BOOKS

- *SPARK VI: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.
- Orwell, George. *Animal Farm*. Maple Classics, 2013.
- *Intermediate English Grammar* by Raymond Murphy. Cambridge University Press, 1999.

REFERENCE

- *Spoken English: A Foundation Course* by Kamalesh Sadanand and Susheela Punitha, Orient Longman Private Limited, 2008, ISBN 81-250-3467-6.
- *Spoken English for You* by G. Radhakrishna Pillai and K. Rajeevan, Emerald Publishers, 1987, ISBN 978-81-7966-023-2.
- *Better English Pronunciation* by Thakur KBP Sinha, Vijay Nicole Imprints, 2005, ISBN 81-8209-068-7.
- Bhatnagar, R. P. *English for Competitive Examinations*. India: Trinity Press, 2017.
- Sinha, R. P. *Current English Grammar and Usage with Composition*. India: Oxford University Press, 2018.

QUESTION PATTERN

SEMESTER EXAMINATION

Marks

PART A - MCQs (7 from Unit I, 8 from Unit II, and 5 from Unit III)	20
PART B – Compulsory -2 ERC from Unit I / 3 Short answers from Units II	15
PART C – Compulsory- Unit III & IV (5x7)	35
• Degrees of Comparison	
• Direct- Indirect Speech	
• Précis Writing	
• Essay Writing	
• Responding to the given advertisement	
PART D - (3x10)	30
• Essay (250 words) Unit I & II (Either/or)	
• Compulsory- Spotting Errors (5) Correcting Errors(5) (Comprehensive)	
• Compulsory- a) Idioms and Phrasal verbs (5) b) Cloze Test (5)	

TOTAL **100**

INTERNAL EXAMINATIONS

Marks

PART A - MCQs 6X1(1 from Units – I & II , 5 from Units III)

6

PART B- Compulsory Units I & II

1 ERC from Unit I /2 Short answers from Units I & II (3X3)

9

PART C –Compulsory (Unit III & IV) (3X5)

15

PART D- (2X10)

20

- Essay - Either /or Units – I & II 250 words
- Compulsory- Grammar/ Composition

TOTAL **50**

INTERNAL ASSESSMENTS Marks

Skill based activity - 2x15 30

(Seminar presentation/Spoken English/Critical Podcast/ Video Essay/ Creating a 5–8 slide on a topic/
Composing a poem/ Submitting a relevant photo with description, etc.)

TOTAL 30

Viva-Voce Components: 100 Marks

1. Reading and Interpretation (25)
2. Issue Based Conversation (25)
3. Public speaking on subject related topic (25)
4. Extempore (25)

LEARNING OBJECTIVES

LO1 To facilitate learners' reading advanced English through representative pieces of Literature

LO2 To help learners infer and interpret prescribed literature and write coherent, analytical essays

LO3 To help learners analyse a selected dramatic scene to identify how dialogue and stage directions reveal character motivation and advance the central conflict

LO4 To encourage learners in using English skillfully and creatively to discuss, brainstorm or debate a topic, through active practice

LO5 To equip learners with the soft skills necessary for employability

LO6 To help learners to produce structured reports, engaging blogs and original creative pieces by adapting their writing style to suit different purposes and audiences

UNIT –I DRAMA (READING AND WRITING SKILLS)

1. *Julius Caesar* – Act III, Scene I

2. *Othello* – Act V, Scene II

3. *Hamlet*- Act I, Scene III

UNIT –II FICTIONS (READING AND WRITING SKILLS)

H. G. Wells –*Time Machine*

UNIT –III SOFT SKILLS AND SPEAKING SKILLS (Theory and Practice)

1. Interview Skills*

2. Group Discussion*

3. Debate*

4. Interpersonal Skills*

(* Included for Spoken English Viva Voce and Internal Assessments)

UNIT –IV SOFT SKILLS

1. Time Management

2. Problem-Solving Techniques

3. Teamwork

4. Leadership

UNIT –V ADVANCED WRITING SKILLS

1. Report Writing

2. Blog writing

3. Creative Writing (poem/short story)

COURSE OUTCOMES

Learners will be able to

CO1 Read and understand advanced forms of English in Literature

CO2 Interpret and write analytical essays on topics concerning prescribed pieces of literature

CO3 Speak English fluently and accurately in professional contexts

CO4 Use English effectively and creatively for interviews, group discussions, etc.

CO5 Behave, react, and handle situations connected to employability, using the acquired knowledge of soft skills

CO6 Demonstrate versatility in written communication by producing structured technical reports, engaging digital content for blogs, and original creative works that employ evocative language and narrative techniques

TEXT BOOKS

- *SPARK VII: An Integrated Course Text for General English*, Department of English, St. Xavier's College (Autonomous), Palayamkottai.
- Wells, H. G. *Time Machine*. Oxford University Press, 2017 Ed.
- Alphonse S. J., Xavier. *We Shall Overcome: A Textbook on Life Coping Skills*. ICRDDCE Publication, 2004.

REFERENCE

- Sijwalii B.S. and Indu Sijwali, *General Interview Skills for Both Government and Private Sectors*. Arihant Publications, 2023.
- Soman, Ashok M, *Graduates and Postgraduates Entering the Corporate World*. Himalaya Publishing House, 2023.
- Patnaik, Priyadarshi, *Communication, Logical Thinking, and Public Speaking*. Cambridge University Press, India, 2016.

QUESTION PATTERN

SEMESTER EXAMINATION

Marks

PART A - MCQs (5 from each of the Units I, II, III & IV)

20

PART B- Compulsory - (5X3)

15

ERC from Unit I/ Short answers from Units II, III & IV

- Unit I
- Unit II
- Units III
- Units IV
- Units III/ IV

PART C –Compulsory- Units I, II, III, IV & V (5x7)

35

- Short Essay (200 words)/ Annotation Unit I
- Short Essay Unit II (200 words)
- Short Essay Unit III (200 words)
- Short Essay Unit IV (200 words)
- Creative Writing (poem/short story)

PART D - (3x10)

30

- Essay (250 words) Unit I & II (Either/or)
- Compulsory -Report writing (250 words)
- Compulsory - Blog writing (250 words)

TOTAL

100

INTERNAL EXAMINATIONS	Marks
PART A - MCQs 6X1 (1 from Units I & II , 5 from Units III & IV)	6
PART B- Units I & II – 2 Short answers from Units I & II/ 1 ERC from Unit I (3X3)	9
PART C –Compulsory (Unit III & IV) (3X5)	15
PART D- (2X10)	20
1. Essay - Either /or Units – I & II 250 words	
2. Compulsory - Report writing / Blog writing/ Creative Writing (Unit V)	
TOTAL	50

INTERNAL ASSESSMENTS Marks

Skill based activity – 2x15 30
 (Seminar presentation/ Video Essay/ Creating a 5–8 slide on a topic/ writing a poem, short story/Mock Interview /Group Discussion/Debate etc.)

TOTAL 30

Viva-Voce Components: 100 Marks

1. Interview Skills: Mock Interview (25)
2. Group Discussion (25)
3. Debate (25)
4. Interpersonal Skills: Conversation (25)

DEPARTMENT OF HUMAN EXCELLENCE
St. Xavier's College (Autonomous), Palayamkottai
Courses Offered

Semester	Category	Course Code	Course Title
I	FC	26UHER11/ 26UHEE11	Religion: Catholic Doctrine / Ethics
II	SEC3	26UHEI21	Integrated Personality Development
III	SEC4	26UHEL31	Life Coping and Entrepreneurial Skills Management
IV	EVS	26UEVS41	Environmental Studies
V	VE	26UVEH51	Human Rights and Social Analysis

NME

Semester	Category	Course Code	Course Title
I	Library	26ULBN11	Foundations of Library Science
I	XRF	26UXRN11	Traditional Knowledge of Indian Medicinal Systems
II	Library	26ULBN21	Information Resources
II	STAND	25USTN21	Rural Development Studies
II	XRF	26UXRN21	Indian Traditional Medicinal Foods
III	XRF	26UXRN31	Food Microbiology
IV	XRF	26UXRN41	Herbal Resources and Their Conservation
IV	MAX Forum	26UMXN41	Society, Economy and Politics in Contemporary India

Common Question Pattern

Internal Test

Part A	Answer ALL the questions in one or two lines	5 x 2 = 10
Part B	Answer ALL the questions, each in a paragraph	3 x 5 = 15
Part C	Write an essay on the following	1 x 10 = 10

Semester Exam

Part A	Answer ALL the questions in one or two lines	10 x 3 = 30
Part B	Answer ALL the questions, each in a paragraph	5 x 8 = 40
Part C	Write an essay on each the following	2 x 15 = 30

RELIGION: CATHOLIC DOCTRINE
(26UHER11)

SEMESTER:I	VE	HOURS:2	CREDITS: 2	TOTALHOURS:30
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Course Outcomes:

Upon completion of the course the students will be able to

- CO1:** Recite the Sacraments (K1)
- CO2:** Identify the challenges of the present day church (K1)
- CO3:** Associate Old and New testaments of the bible (K2)
- CO4:** Explain the Church history (K2)
- CO5:** Discuss the Marian worship (K2)
- CO6:** Summarize the catholic social teachings (K2)

Unit I: Introduction to Bible (6 Hours)

Bible as a Word of God, its inspiration, the Canon - Old and New Testaments and their interconnectedness - Traditional and modern interpretations

Unit II: Jesus and His Teachings (6 Hours)

Parables of Jesus – Important Teachings of Jesus: Kingdom of God – God’s Mercy – Trust in Providence – Two Commandments of love – Be committed – No condemnation of wealth – No condemnation of sinners – Love of enemies; Prayer: Jesus’ Prayer – Types of Prayer; Jesus the Healer – Types of Miracles of Jesus – Jesus the Liberator

Unit III: A Brief History of the Church & Changes and Challenges of the Modern World (6 Hours)

The beginnings of the Church - Medieval period and its challenges - The importance of the Second Vatican Council and their decrees – Synodality; Casteism – Ecumenical unity and Inter Religious harmony – Digital world and Religious Faith - Catholic Social Teachings

Unit IV: Introduction to the Sacraments and Trinity (6 Hours)

The origin of the seven sacraments - Their practices and meanings – Trinity: The Father – The Son and the Holy Spirit

Unit V: Introduction to Mariology (6 Hours)

Mary, Mother of God and Jesus - Mary, our Mother and in the Gospels - Mariology in the history of the Church – Mary as a Prophet of revolution

REFERENCES:

- “Faith Matters” material prepared by the Department of Human Excellence.
- Second Vatican Council Documents.

ETHICS
(26UHEE11)

SEMESTER:I	VE	HOURS:2	CREDITS: 2	TOTALHOURS:30
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Course Outcomes

After completing this course, the learner will be able to know/understand: Cognitive Level

(K-Level)

CO-1 Describe the Ethical foundations and human values (K2)

CO-2 Identify Ethics and its relationship with religions (K1)

CO-3 Evaluate the personal ethical codes in day-to-day life (K5)

CO-4 Associate ethics in family and society (K3)

CO-5 Apply moral, professional, and personal ethics in academic, workplace, and daily life situations. (K3)

CO-6 Analyse the modern ethical issue (K4)

Unit-I Introduction to Ethics and Human Interface (6 Hours)

Meaning, Nature and Scope of Ethics-Challenges and Importance of ethics-Basic ethical foundations-Human values: Tolerance, Compassion, Rationality, Objectivity. Scientific Attitude, Integrity, Respecting Conscience and Empathy. Mahatma Gandhi and Ethical practices: Non violence, Truth, Non-hatred and love for all, concern for the poorest, objectivity nationalism and Education for man making relation between ends and means.

Unit-II Ethics and Major religions and civilizations (6 Hours)

Ethics and its relationship with Religions- Ten Commandments: Christianity and Judaism tradition-Hinduism- Dharma and Mokhya (out of 4 goals of life Dharma, Artha, Kama and Mokhya),concept of Purusartha, Nisakama Karma (work without attachment to results), Concept of Basudev Kutumba and Peace(Whole including all animals, plants, inanimate beings and human form one world)-Islamic Ethics: Justice, Goodness, Kindness, Forgiveness, Honesty, Purity and piety- Buddhism - Arya AstangikaMarg: Right view, Thought , Speed, Action, Livelihood, Efforts, Attention and Concentration.

Unit-III Personal and Professional ethics (6 Hours)

Moral percepts -Dynamics of personal morality-Moral Conscience-Ethical aspects of Thirukural-Evils of corruption- Professional ethics- Nature, Characteristics, scope, type. Professional Value: Trusteeship, Inclusiveness, Commitment, Sustainability, Accountability, Transparency, Impartiality.

Unit-IV Governance, Family and Social Ethics (6 Hours)

Concept of Good Governance-Principles: Transparency, Accountability, Rule of Law-Ethical Leadership and Public Responsibility-Corruption and Integrity in Public Life-Role of Family in ethical formulations-Respecting persons-Peace and Justice-Human Duties-Respecting Persons and Human Dignity-Equality, Justice and Fairness -Peace, Non-violence and Social Harmony-Tolerance, Pluralism and Social Inclusion.

Unit- V Judicious Use of Technology (6 Hours)

Judicious use of Mobile Phones, Electrical machines, Plastics, Television, Computers and their harmful effects. Ethics and Use of Digital Technology: Cyber ethics-, Ethics of social media: WhatsApp, Face book, Twitter and others.

Recommended Books/e-resources:

- R.R. Gaur, R Sangal, G.P. Bagaria (2009): A Foundation Course in Human Values and Professional Ethics, Excel Books.
- D.R. Kiran (2014) Professional Ethics and Human Values, McGraw Hill Education (India).

- Vivian L Vignoles (2017): Identity: Personal and Social, Chapter to appear in Oxford Handbook of Personality and Social Psychology (2nded.), edited by Kay Deaux and Mark Snyder.
- https://cdn.visionias.in/value_added_material/3b896-ethics.pdf
- Sargolzaei, E., & Nikbakht, M. (2017). The Ethical and Social Issues of Information Technology: A Case Study. International Journal of Advanced Computer Science and Applications, 8(10), 138–146. <https://doi.org/10.14569/ijacsa.2017.081019>
- Mirghaderi, L., Sziron, M., & Hildt, E. (2023). Ethics and Transparency Issues in Digital Platforms: An Overview. AI (Switzerland), 4(4), 831–843. <https://doi.org/10.3390/ai4040042>
- Müller, V. C. (2022). The History of Digital Ethics. Digital Dreams Have Become Nightmares: What We Must Do. <https://doi.org/10.1145/3640479.3640499>
- Course Material Prepared by Department of Human Excellence.

**INTEGRATED PERSONALITY DEVELOPMENT
(26UHEI21)**

SEMESTER: II	SEC3	HOURS: 2	CREDITS: 2	TOTAL HOURS: 30
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Course Outcomes:

After completing this course, students will be able to:

CO1: Analyze individual personality traits, habits, and attitudes by utilizing self-awareness frameworks such as SWOC and the Johari Window. (K4)

CO2: Formulate actionable plans to build self-confidence, a positive mindset, and healthy self-esteem for continuous personal growth. (K6)

CO3: Implement self-management techniques, including mindfulness, yoga, and distraction control, to regulate stress and improve discipline. (K3)

CO4: Demonstrate effective interpersonal skills, including rapport building, assertiveness, and conflict management, within group discussions and team environments. (K3)

CO5: Design a systematic roadmap of realistic personal and academic goals using structured goal-setting methodologies. (K6)

CO6: Integrate ethical values, social responsibility, and gender sensitivity into professional conduct and real-life decision-making. (K4)

UNIT-I: Self-Knowledge (6 Hours)

Exploring Habits, Attitudes, Self Awareness – Self introspection - SWOC analysis – Johari Window’s Self identity. Enhancing one’s Self image, Self -Esteem, Building self Confidence and Positive Mind Set.

UNIT-II: Self Management (6 Hours)

Understanding of One’s Life Story- Focusing on Internal Narratives – Self-Talk, Self-Discipline- Managing Change, -Adaptation to change, Managing Distractions, Yoga and Mindfulness -Overcoming Inferiority Complex

UNIT-III: Personal Competence and Goal Setting (6 Hours)

Developing Rapport - Giving and Receiving Constructive Feedback - Assertiveness and Conflict Management Skills - Group Discussion Skills –Goal Setting.

UNIT-IV: Personality Development (6 Hours)

Recognizing the growth in different dimension of Holistic and Integrated Personality Development-Ethical Behavior-Gender Sensitivity and Respect- Civic Responsibility-Social Media Responsibility

UNIT-V: Emotional Well-Being (6 Hours)

Meaning -Types of Emotions- Expressing Emotions- Managing Difficult Emotions - Self-Control-Healthy Relationships- Building Resilience & Coping Skills - -Mental Health Awareness.

Reference Books:

1. Dr.Xavier Alphonse S.J ,We Shall Overcome, ICRDEC Publications,Chennai,2004.
2. Harold R Wallace and L. Ann Masters, Personality Development South- Western Cengage Learning India PL,NewDelhi,2006.
3. Course Material Prepared by Department of Human Excellence.

LIFE COPING AND ENTREPRENEURIAL SKILLS MANAGEMENT

(26UHEL31)

SEMESTER:III	SEC 4	HOURS:2	CREDITS:2	TOTAL HOURS:30
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Course Outcomes:

After completion of the Course, the students will be able to

CO1: Explain holistic health including physical, mental, and social wellbeing. (K2)

CO2: Apply healthy lifestyle practices including nutrition, hygiene, and digital wellbeing. (K3)

CO3: Analyze social and professional situations using empathy and ethical reasoning. (K4)

CO4: Apply structured decision-making and problem-solving skills in real-life situations. (K3)

CO5: Demonstrate coping strategies for stress, crisis, and uncertainty. (K3)

CO6: Evaluate addiction risks and design strategies for a healthy lifestyle. (K5)

Unit I: Holistic Health & Lifestyle Management (6 Hours)

WHO's definition of Health – Dimensions of Health – Adolescent Health and Women's Health – Understanding Physical Self – Personal Hygiene and Grooming – Balanced Diet and Nutrition – Healthy Habits and Lifestyle – Lifestyle Diseases and Prevention – Digital Wellbeing (Screen Time, Sleep Cycle, Mental Balance) – Public Health Awareness.

Unit II: Social Intelligence & Relationship Management (6 Hours)

Family Relationship: Values in family relationship, nuclear family, Joint Family, Dependence, Overdependence, Happy family, Broken Family - Caring Elders - Rapport Building with Peers/ Friends, Strangers, Transgenders - Professional Relationship: Officials, Mentors, Staff & Service Personnel- Other centeredness and others point of view and Empathy.

Unit III: Decision-Making & Problem-Solving Skills (6 Hours)

Types of Problems (Academic, Personal, Financial, Social) – Problem-Solving Strategies – Decision-Making Process – Rational and Intuitive Decision-Making – Ignatian Discernment Process – Lateral Thinking and Creativity – Basic Financial Literacy (Needs vs Wants, Saving, Budgeting).

Unit IV: Coping with Stress, Crisis & Change (6 Hours)

Meaning and Types of Stress – Causes of Stress (Academic, Social, Digital) – Stress Management Techniques – Emotional Regulation Strategies – Time Management and Productivity – Crisis Management (Failure, Uncertainty, Loss) – Building Resilience and Adaptability.

Unit V: Addiction Awareness & Personal Safety (6 Hours)

Meaning and Types of Addiction – Substance Addiction – Digital and Internet Addiction – Causes and Effects of Addiction – Prevention and Control Measures – Self-Regulation Techniques – Cyber Safety and Responsible Internet Usage – Seeking Help and Counselling Support.

Activity Collaborators: Anti-drug Club, Women's Forum.

Reference Books:

1. Dr. Xavier Alphonse S.J., We Shall Overcome, ICRDEC Publications, Chennai, 2004.
2. Covey Sean, Seven Habits of Highly Effective Teens, New York, Fireside Publishers, 1998.
3. Carnegie Dale, How to win Friends and Influence People, New York: Simon & Schuster, 1998.
4. Clear, James. 2018. Atomic Habits: An Easy & Proven Way to Build Good Habits & Break Bad Ones. New York: Avery
5. Atomic Habits – James Clear, Avery, 2018.
6. The 7 Habits of Highly Effective People – Stephen R. Covey, Free Press.
7. Emotional Intelligence – Daniel Goleman, Bantam Books.

8. Thinking, Fast and Slow – Daniel Kahneman, Penguin Books.
9. Course Material prepared by the Department of Human Excellence.

ENVIRONMENTAL STUDIES
(26UEVS41)

SEMESTER:IV	EVS	HOURS:2	CREDITS:2	TOTAL HOURS:30
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Course Outcomes:

The students will be able to:

CO1: Describe various natural resources and the fundamental principles of sustainable development to explain resource interdependence. (K1)

CO2: Explain the relationship between biodiversity and various conservation approaches to maintain ecological balance. (K2)

CO3: Apply prevention and mitigation strategies to address specific environmental issues and ecosystem degradation. (K3)

CO4: Illustrate the adverse health impacts of different types of pollution on human populations and ecosystems. (K3)

CO5: Evaluate environmental quality indicators and the effectiveness of climate change mitigation risks. (K5)

CO6: Summarize major international environmental treaties and national legislations aimed at environmental protection. (K2)

Unit I: Natural Resources (6 Hours)

Environment – Definition; Overview of natural resources: definition, types of natural resources. Biotic and abiotic, renewable and non-renewable resources. Water resources: types, over-exploitation, issues, challenges, water scarcity, conflicts. Soil and mineral resources: important minerals, problems, soil as a resource. Energy resources: sources, conventional and non-conventional, implications. (IKS- Traditional water conservation methods (e.g., temple tanks, ooranis, johads). Indigenous agricultural practices and soil conservation methods.)

Unit II: Environmental pollution and Health (6 Hours)

Natural and man-made disasters and their impacts of environment and management. Pollution: definitions, natural and man-made pollution. Different types of pollution- Air, Water, Soil, Noise, Radioactive and solid waste pollution: Sources of pollution, different types of pollutants, effects of pollution in environment and human health, prevention and control of pollution. (IKS- Traditional waste management practices. Herbal and indigenous methods to reduce pollution impacts.)

Unit III-Conservation of Biodiversity and Ecosystems (6 Hours)

Biodiversity and its distribution: Levels and types, India and world, hotspots, threat categories. Ecosystems and ecosystem services: major types in India, basic characteristics, significance. Threats to biodiversity and ecosystems: land use, commercial exploitation of species and invasive species. Types of Biodiversity conservation (*In-situ and Ex-situ*). (IKS- Sacred groves and community-based conservation practices, Role of indigenous communities in biodiversity protection)

Unit IV: Climate change: Impacts, Adaptation and Mitigation (6 Hours)

Climate change: structure and different layers of atmosphere, Impacts, vulnerability and adaptation to climate change. Mitigation of climate change: GHGs types, sources, impacts and control. Importance of 1.5 °C and 2.0 °C Global warming and Ozone depletion. Concept of carbon intensity, energy intensity and carbon neutrality; policy instruments, carbon capture and storage, climate justice. Anthropogenic factors - Human over population, over consumption, pollution, Mining, Transport, Environmental degradation and Impact of human activities. (IKS- Traditional climate-resilient farming practices. Indigenous housing designs for climate adaptation.)

Unit V: Environmental Treaties, Legislation and Sustainable Development (6 Hours)

Overview of instruments of international cooperation: bilateral, multilateral, conventions and protocols, COPs. Major International Environmental Agreements: CBD, CITES, UNCCD, UNFCCC. Major Indian Environmental Legislations: acts, rules, sites, areas, zones and judgments. Introduction to sustainable development: SDGs, targets and indicators,

challenges and strategies. Principle of sustainable development, international efforts of sustainable development and sustainable development in India: Perspective and strategies. (IKS- Community based natural resource management models.)

Skill-Based Activities:

Unit-I	➤ Field observation of local water bodies ➤ Preparation of a household resource audit report ➤ Case study analysis on sustainable practices
Unit-II	➤ Air and water quality observation survey ➤ Preparation of eco-friendly products (natural cleaners, composting) ➤ Awareness campaign design
Unit-III	➤ Biodiversity documentation of campus/local area ➤ Preparation of herbarium or digital biodiversity register
Unit-IV	➤ Carbon footprint calculation (individual/department level) ➤ Tree plantation and climate awareness drive
Unit-V	➤ Mock COP session ➤ Policy analysis and presentation ➤ Preparation of sustainability action plan for the campus

General Suggestions:

- Educational visit to Xavier Solai be organized as a common activity for all students.
- Include activity based and project based assignments.
- Conduct orientation programs for EVS faculty on IKS and skill based pedagogy.
- Students examine environmental problems in their local communities and develop solutions to address them.

Reference Books:

1. Singh, J.S., Singh, S.P., Gupta, S.R. (2006). Ecology, Environment and Resource Conservation. Anamaya Publications.
2. Harris, Frances (2012). Global Environmental Issues, 2nd Edition. Wiley- Blackwell.
3. Krishnamurthy, K.V. (2003). Textbook of Biodiversity, Science Publishers, Plymouth, UK.
4. Ahluwalia, V. K. (2015). Environmental Pollution, and Health. The Energy and Resources Institute (TERI).
5. Pittock, Barrie (2009). Climate Change: The Science, Impacts and Solutions. 2nd Edition. Routledge.
6. Ministry of Environment, Forest and Climate Change (2019). A Handbook on International Environment Conventions & Programmes.
7. KanchiKohli, Manju Menon (2021). Development of Environment Laws in India, Cambridge University Press.

HUMAN RIGHTS AND SOCIAL ANALYSIS

(26UVEH51)

SEMESTER:IV	VE	HOURS:2	CREDITS:2	TOTAL HOURS:30
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Course Outcomes:

Upon completion of the course, the students will be able to

CO1: Recall key concepts of rule of law, democracy, equality, human dignity, citizenship, social justice, secularism and human rights.(K1)

CO2: Explain the Preamble to the Constitution of India, Fundamental Rights, Directive Principles, civil and political rights, socio-economic and cultural rights and collective rights.(K2)

CO3: Apply constitutional principles and human rights concepts to contemporary social issues. (K3)

CO4: Analyze interrelationships among inequalities, social structures, social problems, and reform initiatives in India. (K4)

CO5: Evaluate the effectiveness of constitutional provisions in promoting equality and social justice.(K5)

CO6: Design strategies fostering equality, communal harmony, responsible democratic citizenship and civic participation. (K6)

Unit I: Understanding basic concepts (6 Hours)

Understanding of key concepts, their meaning and significance in today's context – Rule of law, democracy, equality, human dignity, citizenship, social justice, secularism, human rights, fundamental rights and constitutional values.

Unit II: Classification of Human Rights (6 Hours)

Civil and Political rights, socio-economic and cultural rights collective rights or group rights – Preamble to the Constitution of India, Fundamental Rights - Equality rights, personal freedom and right to life, rights against arbitrary arrest and illegal detention, Rights against exploitation, Religion Freedom, Minority rights and Fundamental Duties (Art. 51A)

Unit III: Indian Social System (6 Hours)

Social Analysis - Social system and its components, Inequalities, caste structures and manifestation, Patriarchy and violence against women, Gender and sexual Minorities– A land of cultural linguistic and religious diversity –secular ethos – religious -fundamentalism-Indian politics -Interdependence of human being and society

Unit IV: Social Problems (6 Hours)

Indian Economic inequality and Poverty - Caste Discrimination : Untouchability, honour killing - Reservation policy, and Dalit empowerment - illiteracy and its effects Child labour, child abuse, bonded labour and their effects

Unit V: Social Reformers (6 Hours)

Promoting social justice and equality, women's rights, and eradication of caste discrimination - Dr. B. R. Ambedkar, Mahatma Gandhi, Dr. Muthulakshmi Reddy, Savitribai Phule, Fathima Sheik, Pandita Ramabai and E. V. Ramasamy - Focusing on service to the marginalized, healthcare, education, and human values

Reference Books:

1. P.N. Sharma, "Social problems and issues in India", Bharat Book Centre, 2014, New India
2. The Reality Reloaded, Gurjot S. Kaler, Chandigarh, India, 2018
3. Course Material Prepared by the Department of Human Excellence
4. Activity-based learning will be conducted in collaboration with the Democracy Forum and Electoral Literacy Club to promote democratic values, constitutional awareness, and responsible citizenship.

FIRST YEAR –SEMESTER- I
26UECC11-MICRO ECONOMICS-I

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC11	Micro Economics-I	Core	4	4	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Describe the meaning of basic concepts and the need for the study of Microeconomics.						K2
CO2	Evaluate the Types of Utility and Consumer Behaviour.						K4
CO3	Acquire knowledge on various market equilibrium, Demand and Supply Functions.						K2
CO4	Apply the theory of firms, Cost and Revenue in the market.						K4
CO5	Examine the production analysis and strategies in business.						K4
CO6	Analyse and apply the various costs and revenues and their strategies in business.						K5
Module	Contents						Hours
I	Basic Concepts Definitions of Economics– Nature and Scope of Microeconomics –Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making– Fundamental Economic Problems.						12
II	Demand and Supply Analysis Demand – Types of Goods -Law of Demand – Determinants –Giffen Goods Paradox – Veblen Effect- Elasticity of Demand: Types – Degrees of elasticity of demand – Law of Supply –Determinants –Elasticity of Supply – Degrees- Consumer Surplus.						12
III	Utility Analysis Utility–Ordinal and Cardinal Utility–Total and Marginal Utility – Law of Diminishing Marginal Utility – Law of Equi-Marginal utility- Indifference Curves –Properties–Marginal Rate of Substitution- Budget Line – Price and Substitution Effects.						12
IV	Production Analysis Production Function– Law of Variable Proportions- Laws of Returns to Scale-Iso-quant's - Types of Production Function – Economies of scale and diseconomies of scale.						12
V	Cost and Revenue Concepts Costs – Fixed and Variable Costs - Average, Marginal, and Total Costs – Short Run and Long Run Costs – Implicit, Explicit, Sunk and Imputed Cost – Revenue – Total, Average and Marginal Revenue –Relationship between AR and MR.						12
	Total						60

Textbooks	
1.	Robert Pindyck and Daniel L. Rubinfeld, (2001) Microeconomics, Macmillan
2.	Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)
3.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.
4.	Paul A Samulson and William D. Nordhaus 2013, Microeconomics, McGraw Hill Publications India Pvt Ltd. New Delhi.
5.	Timothy Taylor, Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12 th Media Services.
Reference Books	
1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2 nd Edition.
2.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.
3.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.
4.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)
5.	Karl E. Case and Ray C Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia
Web Resources	
1.	http://www.econlib.org/library/enc/microeconomics.html
2.	https://www.tutor2u.net/economics
3.	https://www.economicsnetwork.ac.uk/
4.	https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics
5.	http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf

FIRST YEAR –SEMESTER- I

26UECC12- MATHEMATICS FOR ECONOMICS-I

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC12	Mathematics for Economics-I	Core	4	4	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						K L
CO1	Understand Basic Concepts of Mathematics and its application in Economics.						K1
CO2	Analyze the relevance of the Types of Matrices						K3
CO3	Calculate optimal values in the system of Equations and the importance of Input-Output Analysis						K4
CO4	Gain knowledge of the rules of Differentiation and its Economic Applications.						K2
CO5	Optimize single variable functions in Economics.						K3
CO6	Analyse and apply the integration rules and its application in business economics.						K4, K5
Module	Contents						Hours
I	Introduction to Mathematical Economics and Algebra Introduction-Role of mathematics in the Social Sciences -Illustrations of the role of mathematics in economics. Indices-Laws of Indices-Multiplication-Division-Zero Index-Indices taken to a Power-Negative Index-The real number system and its Properties.						12
II	Analytical Geometry Simple functions and graph in economics-Equations of straight lines (slope-Intercept form), (Point-Slope form), (Two –point form), (Intercepts form)-Intersecting point of two straight lines-Parallel lines and Perpendicular lines-Concurrent lines-Applications of straight lines in Economics.						12
III	Matrix and Determinants Meaning- Basic concepts of matrix – Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose – Determinants- Determinant of square matrix of second order- Determinant of square matrix of third order: Laplace method of expansion and Sarrus diagram-Rank of Matrix- Minor-cofactor-Adjoint.						12
IV	Applications of Matrix Algebra Solving a system of Linear Equations – Cramer’s Rule and Matrix Inverse Method- Leontief’s Input-Output Model – Open and Closed Model-Components, Uses, and Limitations- Hawkins – Simon Conditions for Viability of Input and Output Model (Problems).						12

V	Integrations and its applications Definition of integral calculus-Basic rules of integration-Integration by parts-Definite integrals-Area between two curve-Application of Integration in Economics: Consumer' Surplus-Producer's Surplus.	12
	Total	60
Textbooks		
1.	Mehta and Madnani (2019) Mathematics for Economists Sultan Chand and Sons	
2.	D. Bose (2022) An Introduction to Mathematical Economics", Himalaya Publishing House Pvt. Ltd., Mumbai-4000 004.	
3.	Edward T. Dowling, (2002) "Mathematical Methods for Business and Economics", Schaum's Outline Series, 3 rd Edition, Mc Graw Hill	
4.	Renshaw Geoff, (2005) Maths for Economics, 3 rd Edition Oxford University Press, Oxford	
5.	Carl P Simon & Lawrence E. Blume, "Mathematics for Economists", Published by W. W. Norton & Company, 2010	
Reference Books		
1.	Chiang, A. C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 1984	
2.	G. Hadley, Linear Algebra Addison – Wesley Publishing Company, 1977.	
3.	K. Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.	
4.	Mabett. Alan J Workout for Mathematics for Economist McMillan 1986.	
5.	R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co.Ltd., 2008	
Web Resources		
1.	https://www.coursera.org/learn/mathematics-for-economists	
2.	https://mitpress.mit.edu/9780262294805/mathematics-for-economics/	
3.	https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf	
4.	https://mitpress.mit.edu/9780262046626/mathematics-for-economics	

FIRST YEAR –SEMESTER- I

26UECA11- HISTORY OF MODERN INDIA

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECA11	History of Modern India	Ancillary-I	5	6	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Describe the causes, events, and consequences of the First War of Indian Independence.						K2
CO2	Analyse the administrative and economic policies of British rulers.						K4
CO3	Examine the factors leading to the rise of Indian nationalism and evaluate the role of the Indian National Congress.						K4
CO4	Assess the major political developments in India during the Gandhian era, including key movements.						K5
CO5	Elucidate and interpret the constitutional developments in India from 1909 to 1947.						K3
CO6	Evaluate the significance of socio-religious reform movements and contributions of leaders various leaders in shaping modern India.						K5
Module	Contents						Hours
I	Introduction Advent of Europeans - First war of Indian Independence -1857 – Queen Victoria’s Proclamation - Rise of British power: - Lord Cornwallis- Permanent Settlement Act, Lord Dalhousie and Lord Curzon- Partition of Bengal.						18
II	National Policies between (1885-1905) Factors contributing to the rise of Indian Nationalism-Indian National Congress–Moderate Phase 1885–1905- Communal Factors and rise of extremism - Partition of Bengal – Split in Congress–Muslim league.						18
III	Political development in India Political developments in India - Lucknow Pact – Home Rule League - Gandhian Era – Rowlat Act, Jalianwala Bagh Massacre – Khilafat Movement; Three Mass Movements of Gandhi – Non-Cooperation Movement – Civil Disobedience Movement – Quit India Movement.						18
IV	Constitutional development Constitutional Development; Indian Councils Act 1909- Government of India Act 1919, Simon Commission – Round Table Conferences – Government of India Act 1935 - Cabinet Mission Plan- Partition of India– Integrating Princely States and Centre.						18
V	Social and Religious Movement in India Social – Religious Reform Movements – Hindu Revivalism –Rajaram Mohan Roy and Brahmo Samaj, Prarthana Samaj, Arya Samaj, Ramakrishna Mission and Theosophical Society - Savithribai Phule-						18

	Jothirao Phule. Non-Brahmin Movements- Iyothi Rao Phule- Ayothi Thassa Pandithar Dr. Muthulakshmi Retty, A Revolutionary Trends: Dr. B.R. Ambedkar E.V.R Periyar and Other Revolutionary Leaders in TN.	
	Total	90
Textbooks		
1.	Bipin Chandra (2009), Modern India, Orient Blackswan Publication, New Delhi.	
Reference Books		
1.	Grover B.L and Sethi (1998) A New Look on Modern Indian History, S Chand & Co. Delhi.	
2.	Gupta. D. C (2005), Indian National Movement and Constitutional Development. New Delhi.	
3.	Sumit Sarkar, (2008), Modern India 1885–1947, Macmillan, New Delhi.	
4.	Majumdar R.C & Others (1965) British Paramount and Indian Renaissance Part – I & II, Bharatiya Vidya Bhavan, Bombay.	
5.	Majumdar R. C & others (2001), Struggle For Freedom BVB, Bombay.	
Web Resources		
1.	https://historicalindia.org/	
2.	https://indiaculture.gov.in/history	
3.	https://www.indianculture.gov.in/ebooks/sources-indian-history-special-reference-south-india .	

FIRST YEAR –SEMESTER- I

26UECN11- GENERAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	Ext ernal	Total
26UECN11	General Economics	SEC1	2	2	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Explain basic economic concepts such as scarcity, choice, demand supply etc.						K2
CO2	Apply demand and supply analysis to simple real-life situations						K3
CO3	Identify different market structures and their characteristics						K3
CO4	Describe national income, inflation and unemployment						K3
CO5	Examine the role of government in taxation and public welfare						K4
CO6	Evaluate basic economic problems and suggest practical solutions						K5
Module	Contents						Hours
I	Introduction to Economics Meaning and definition of Economics- Micro and Macro Economics- Central Economic Problems- Production Possibility Curve (Basic idea)- Opportunity Cost.						6
II	Demand and Supply Meaning of Demand-Law of Demand- Meaning of Supply- Law of Supply- Market Equilibrium (Simple explanation) - Changes in Demand and Supply.						6
III	Market and Price Meaning of Market- Types of Market: Perfect Competition, Monopoly, Monopolistic Competition- Price Determination- Role of Consumer and Producer.						6
IV	Basic Macroeconomics Meaning of National Income- Methods of Measuring National Income (Simple overview) Inflation – Causes and Effects- Unemployment – Types- Monetary policy - Fiscal Policy (Basic Concepts only) - Role of Central Bank.						6
V	Government and Economy Role of Government in Economy-Taxation – Direct and Indirect Taxes- Public Expenditure-Budget (Basic concepts only) - Economic development and Social Welfare.						6
	Total						30
Textbooks							
1.	N. Gregory Mankiw, Principles of Economics ‘2018 10 th edition.						
2.	"Economics for Everyone" by Jim Stanford (3rd ed., Fernwood Publishing, 2020)						
Reference Books							
1.	"Economics in One Lesson" by Henry Hazlitt (2006) – Short, engaging essays on myths.						
2.	"Freakonomics" by Steven D. Levitt and Stephen J. Dubner (Rev. ed., 2009)						
3.	"The Undercover Economist" by Tim Harford (2005)						

Web Resources	
1.	khanacademy.org/economics-finance-domain
2.	mruniversity.com
3.	bbc.co.uk/bitesize/subjects/zp3nhv4
4.	data.worldbank.org
5.	youtube.com/playlist?list=PL8dPuuaLjXtPNZwz5O_SflOPMNoeBwbkE

FIRST YEAR - SEMESTER II

26UECC21 - MICRO ECONOMICS-II

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC21	Micro Economics-II	Core	4	4	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Explain the concept, meaning, and different categories of market structures.						K2
CO2	Analyse the determination of equilibrium of the firm and industry under perfect competition in the short run and long run						K4
CO3	Evaluate the concepts of monopoly, price discrimination, and dumping, and examine their relationship with elasticity of demand.						K5
CO4	Compare and analyse monopolistic and oligopoly market structures, including product differentiation, market equilibrium, kinked demand curve.						K4
CO5	Explain and apply various theories of rent and wages, including classical wage theories and views of Kautilya.						K3
CO6	Assess the major theories of interest and profit, including classical and liquidity preference theories, innovation and uncertainty theories, along with Kautilya's contributions.						K5
Module	Contents						Hours
I	Market structure Meaning of Market-Categories of market structure perfect competition-Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition.						12
II	Monopoly and Price Discrimination Definition of Monopoly–Demand and Marginal Revenue - Equilibrium under Monopoly – Price Discrimination – Application of elasticity and Price Discrimination – Dumping.						12
III	Monopolistic and Oligopoly Competition Monopolistic Competition–Features– Product Differentiation–Market Equilibrium and Short Run and Long Run- Barriers to Entry – Group and Industry Equilibrium–Oligopoly – Kinked Demand Curve – Collusion.						12
IV	Theories of rent and wages Rent: Meaning - Ricardo's Theory of Rent – Quasi Rent – Modern Theory of Rent. Wages: Meaning - Nominal and Real wages - Determinants of Real wage -Subsistence Theory – Wage Fund Theory. Kautilya Contributions to Rent and wage.						12
V	Theories of Interest and Profit Interest: Meaning - Classical Theory of Interest - Liquidity Preference Theory of Interest Profit: Meaning - Innovation Theory of Profit and						12

	Uncertainty Theory of Profit. Kautilya Contributions to interest and profit.	
	Total	60
Textbooks		
1.	Robert Pindyck and Daniel L. Rubinfeld, (2001) Micro Economics, Macmillan	
2.	Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)	
3.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
4.	Paul. A. Samuelson and William D. Nordhaus 2013, Microeconomics, McGraw Hill Publications India Pvt Ltd. New Delhi.	
5.	Timothy Taylor, Steven A. Greenlaw and David Shapiro (2017) Principles of Economics, 12 th Media Services.	
Reference Books		
1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2 nd Edition.	
2.	Paul Krugman and Robin Wells, Microeconomics, Worth Publishers, 2020.	
3.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
4.	Ferguson C.E. (1970), Microeconomic Theory, (Homewood, U.S.A)	
5.	Karl E. Case and Ray C. Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia	
Web Resources		
1.	https://open.umn.edu/opentextbooks/Courses/economics	
2.	https://global.oup.com	
3.	https://www.economicsnetwork.ac.uk	
4.	https://edge.sagepub.com/sextonmicro8e	
5.	https://www.aeaweb.org/resources/Learners	

FIRST YEAR - SEMESTER II

26UECC22-MATHEMATICS FOR ECONOMICS-II

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC22	Mathematics For Economics-II	Core	4	4	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Understand the algebra, linear and non- linear functions						K1, K2
CO2	Apply and examine the different calculus and derivatives in economics analysis						K2
CO3	Apply and analyse the different equations in economic models						K3
CO4	Understand, recite and apply the mathematical techniques in different market structures.						K3, K4
CO5	Recall and apply optimization techniques to find optimum solutions in economics.						K2, K3
CO6	Apply the optimization function by using single and multiple variables in economic applications in different market structures.						K5
Module	Contents						Hours
I	Applications to Algebra Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics.						12
II	Differential Calculus and Derivatives Differentiability of a Function – slope of a curve – increasing and decreasing functions – Rules of differentiation: product rule, quotient rule, function of function rule – Relationship between AR, MR and elasticity of demand – relationship between average and marginal cost (using differentiation)						12
III	Applications to Differentiation and Derivatives Partial Differentiation and its rules - Second order derivatives – Conditions for Maxima / Minima and Saddle Point – Application of Partial Derivatives: partial elasticity of demand: Substitutes and complements - Economic applications – Output and Revenue Maximization – Profit and Utility maximization - Cost minimization.						12
IV	Difference Equations Definition; Classification of difference equations; Solutions of difference equations; Application of difference equations in economic models – The Harrod model, General Cobweb model, Income-consumption-investment model.						12

V	Optimization (Single Variable) Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization -Cost Minimization – Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems).	12
	Total	60
Textbooks		
1.	D. Bose (2022) An Introduction to Mathematical Economics”, Himalaya Publishing House Pvt. Ltd., Mumbai-4000 004.	
2.	Mehta and Madnani (2019) Mathematics for Economists Sultan Chand and Sons	
3.	Edward T. Dowling, (2002) “Mathematical Methods for Business and Economics”, Schaum’s Outline Series, 3 rd Edition, Mc Graw Hill	
4.	Renshaw Geoff, (2005) Maths for Economics, 3 rd Edition Oxford University Press, Oxford	
5.	Carl P Simon & Lawrence E. Blume, “Mathematics for Economists”, Published by W. W. Norton & Company, 2010	
Reference Books		
1.	R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co.Ltd.,2008	
2.	Chiang, A. C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 1984	
3.	G. Hadley, Linear Algebra Addison – Wesley Publishing Company, 1977.	
4.	K. Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.	
Web Resources		
1.	https://www.coursera.org/learn/mathematics-for-economists	
2.	https://mitpress.mit.edu/9780262294805/mathematics-for-economics/	
3.	https://hummedia.manchester.ac.uk/school/soas/economics/pg/psmaths/pre-sessionmathbook.pdf	
4.	https://mitpress.mit.edu/9780262046626/mathematics-for-economics	
5.	https://www.coursera.org/learn/mathematics-for-economists	

FIRST YEAR-SEMESTER – II
26UECA21- CONSTITUTION OF INDIA

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECA21	Constitution of India	Ancillary-II	5	6	30	70	100
Course Outcomes							
COs	On completion of this course, students will be to						KL
CO1	Describe the historical evolution, philosophical foundations, and features of the Indian Constitution.						K2
CO2	Analyze core constitutional tenets like the Preamble, Fundamental Rights, and Duties in relation to social justice						K4
CO3	Examine the structures, powers, and functional dynamics of the Union Executive and Legislature.						K4
CO4	Distinguish between State and Union Territory administration while evaluating Centre-State relations.						K3
CO5	Evaluate the organizational framework, jurisdiction, and independence of the Indian Judicial System.						K5
CO6	Relate the policies-oriented actions and strategies on the Indian judiciary system in different aspects.						K4
Module	Contents						Hours
I	The Philosophy of the Constitution Definition of ‘Constitution’- Kinds of Constitutions (Written Vs. Unwritten, Rigid vs. Flexible). Key milestones (Regulating Act -1773 to Government of India Act-1935); The Indian Independence Act-1947. Formation and composition of the Constituent Assembly; The Drafting Committee; Contribution of Major architects (Dr. B.R. Ambedkar, Jawaharlal Nehru, Sardar Vallabhbhai Patel). Salient features of the Indian Constitution.						18
II	Foundations of Indian Democracy & Social Justice The Preamble—Sovereign, Socialist, Secular, Democratic, Republic; Core values: Justice, Liberty, Equality, and Fraternity. Constitutional provisions for Citizenship (Articles 5-11) Constitutional philosophy of Reservation; Affirmative action for marginalized communities. - The Citizen's Charter: Fundamental Rights (Articles 12-35)—Emphasis on Right to Equality, Freedom, and Constitutional Remedies. Fundamental Duties (Article 51A).						18
III	The Union Government (Executive and Legislature) The Union Executive: The President of India (Election, powers, functions, and position); The Vice-President; The Prime Minister (Appointment, role as the pivot of the cabinet); Council of Ministers and Cabinet accountability. The Union Legislature (Parliament): Bi-Cameralism; Lok Sabha (Composition, election, and Speaker's role); Rajya Sabha (Composition and position); The Law-making process (Ordinary, Money, and Constitutional Amendment Bills).						18

IV	State Governments, Union Territories, and Federal Dynamics The State Executive: The Governor (Appointment, constitutional role. The Chief Minister and Council of Ministers (Functions and relationship with the Governor). State Legislature: Structure (Unicameral vs. Bicameral), powers, and legislative limitations. Union Territories: Administrative structure and special provisions Federal Relations: Centre-State Relations (Legislative, Administrative and financial distribution of power)	18
V	The Indian Judicial System The Judicial Hierarchy: Concept of an integrated and independent judiciary in India. The Supreme Court of India: Appointment of judges: (The Collegium system Vs. alternatives). Guardian of Fundamental Rights (Writs). High Courts & Subordinate Courts: Composition, appointment, and jurisdiction of High Courts; Structure and functions of District and Subordinate Judiciary.	18
	Total	90
Textbooks		
1.	Durga Das Basu (2026) 28th Edition, Introduction to the constitution of India, Lexis Nexis, Butterworths Wadhwa Nagpur.	
2.	Subhash Kashyap Constitution of India: Brief Introduction. ISBN13: 9789394902343 Publisher: Rajkamal Prakashan, Akshar.	
Reference Books		
1.	The constitution of India [as on 1st may, 2024] 2024 government of India ministry of law and justice legislative department, official languages wing.	
2.	Report of the Indian constitution (Simon Report) Vol1 PP11-20.	
3.	Report of the Joint Parliamentary committee (Simon report) Vol 1 pp 262-38.	
4.	Inaugural Address of the Pandit Nehru at the seminar on Parliamentary Democracy 25-02-1956.	
5.	Jennings some characteristics of the Indian constitution 1953 pp2,6,25 and 26.	
Web Resources		
1.	https://legislative.gov.in/constitution-of-india/	
2.	https://www.india.gov.in/topics/governance-administration/constitution	
3.	https://www.icsi.edu/media/webmodules/constitution.pdf	
4.	https://ltdashboard.legislative.gov.in/sites/default/files/COI...pdf	

FIRST YEAR-SEMESTER – II
26UECN21-TAMILNADU ECONOMY

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECN21	Tamilnadu Economy	SEC2	2	2	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Understand salient features, sectorial growth of Tamilnadu economy						K2
CO2	Describe the issues of Tamil Nadu's demographic transitions and urbanization						K3
CO3	Classify and compare the agricultural pattern and marketing and other activities of Tamilnadu economy						K3
CO4	Grasp the Industrial Scenario in Tamil Nadu						K4
CO5	Determine and justify the infrastructure facilities and Analyse the overall performance of Tamilnadu economy						K4
CO6	Analyse the state policies and performance and compare them with other states of the country.						K4, K5
Module	Contents						Hours
I	Tamilnadu economy-An introduction Salient features of Tamilnadu economy - Growth and development- Occupational structure- Ingredients of economic growth- Sectoral growth in Tamilnadu - Inter-state Growth profiles- State Domestic Product (SDP) Trends - Per capita income. (Inter-state comparison)						6
II	Demographic Transition in Tamilnadu Demographic Transition – Trends in Growth of Population- Sex ratio, Density, Literacy, Birth and Death rate –Urbanisation in Tamilnadu - Population Policy 2001. Composition of workforce.						6
III	Agriculture in Tamilnadu Agriculture – Cropping Pattern – Irrigation – Agricultural Development in Tamil Nadu- Green Revolution 2.0 – Agricultural marketing: regulated markets and Co- operative marketing – Non- Farm activities in Tamil Nadu- Food Security and Public distribution system.						6
IV	Industrial Development in Tamil Nadu Trends in Industrial Development in Tamil Nadu – Factors contributing to Industrial Development in Tamil Nadu- Small Scale Industries: Roles, Problems, Promotional Measures for SSI - TIDCO, TANSI, SIPCOT and DIC.						6
V	Transport and Economic development Transport and Economic development- Nationalisation of Roadways- performance of public sector transports- Power development in Tamil Nadu- Rural Electrification. Social inputs						6

	and its development effects: Health, Education, Nutrition, water supply and environment.	
	Total	30
Textbook		
1.	Naganathan M (2002,2012), Tamil Nadu Economy: Trends and prospects, University of Madras.	
Reference Books		
1.	Government of TamilNadu, Various Issues of Tamil Nadu Economic Appraisal, Department of Statistics, Govt. of TamilNadu	
2.	Leonard A C (2006), Tamil Nadu Economy, Macmillan India Ltd, New Delhi.	
3.	Manickam. S (2006) Economic development of Tamil Nadu in perspective, Uyirmai, Chennai-78.	
Web Resources		
1.	www.tn.gov.in	
2.	http://tnenvis.nic.in/	
3.	https://www.msmeonline.tn.gov.in/	

SECOND YEAR-SEMESTER – III

26UHEI21 INTEGRATED PERSONALITY DEVELOPMENT

SEMESTER: II	SEC3	HOURS: 2	CREDITS: 2	TOTAL HOURS: 30
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Course Outcomes:

After completing this course, students will be able to:

- CO1:** Analyze individual personality traits, habits, and attitudes by utilizing self-awareness frameworks such as SWOC and the Johari Window. (K4)
- CO2:** Formulate actionable plans to build self-confidence, a positive mindset, and healthy self-esteem for continuous personal growth. (K6)
- CO3:** Implement self-management techniques, including mindfulness, yoga, and distraction control, to regulate stress and improve discipline. (K3)
- CO4:** Demonstrate effective interpersonal skills, including rapport building, assertiveness, and conflict management, within group discussions and team environments. (K3)
- CO5:** Design a systematic roadmap of realistic personal and academic goals using structured goal-setting methodologies. (K6)
- CO6:** Integrate ethical values, social responsibility, and gender sensitivity into professional conduct and real-life decision-making. (K4)

UNIT-I: Self-Knowledge (6 Hours)

Exploring Habits, Attitudes, and Self-Awareness – Self introspection - SWOC analysis – Johari Window’s Self-identity. Enhancing one’s Self image, self -Esteem, Building self Confidence and Positive Mind Set.

UNIT-II: Self-Management (6 Hours)

Understanding of One’s Life Story- Focusing on Internal Narratives – Self-Talk, Self-Discipline- Managing Change, -Adaptation to change, Managing Distractions, Yoga and Mindfulness - Overcoming Inferiority Complex

UNIT-III: Personal Competence and Goal Setting (6 Hours)

Developing Rapport - Giving and Receiving Constructive Feedback - Assertiveness and Conflict Management Skills - Group Discussion Skills –Goal Setting.

UNIT-IV: Personality Development (6 Hours)

Recognizing the growth in different dimension of Holistic and Integrated Personality Development-Ethical Behavior-Gender Sensitivity and Respect- Civic Responsibility-Social Media Responsibility

UNIT-V: Emotional Well-Being (6 Hours)

Meaning -Types of Emotions- Expressing Emotions- Managing Difficult Emotions -Self-Control- Healthy Relationships- Building Resilience & Coping Skills - -Mental Health Awareness.

Reference Books:

1. Dr. Xavier Alphonse S.J, We Shall Overcome, ICRDEC Publications, Chennai, 2004.
2. Harold R Wallace and L. Ann Masters, Personality Development South- Western Cengage Learning India PL, New Delhi, 2006.
3. Course Material Prepared by Department of Human Excellence.

SECOND YEAR-SEMESTER – III

26UECC31-MACRO ECONOMICS-I

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC31	Macro Economics-I	Core	5	5	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Define macroeconomics and its variables such as savings, investment, employment, rate of interest.						K1
CO2	Describe concepts of national income circular flow of income, and other macro-economic theories.						K2
CO3	Calculate the national income of country and to demonstrate the difficulties and calculating the national income.						K3, K4
CO4	Infer the causes for unemployment problems and classify the unemployment existing in the economy.						K4
CO5	Formulate and develop the composite policies for major economic problems existing in the economy.						K4
CO6	Illustrate and evaluate the classical theory of employment and various types of unemployment persist in the economy.						K4, K5
Module	Contents						Hours
I	Introduction to Macro Economics Meaning of Macroeconomics – Evolution of Macroeconomics - Differences between Microeconomics and Macroeconomics – Micro foundation in macroeconomics and macro foundation in microeconomics - Importance and Limitations of Macroeconomics – Economic Static and Dynamic Analyses.						15
II	National Income Meaning – Definition of National Income – Concepts used in National Income – Methods of estimating National Income – Importance of National Income Data – Difficulties of Calculating National Income – Circular flow of Income and expenditures – Importance of the Circular flow of Income. (National income calculation small problems)						15
III	The Classical Theory of Employment Meaning of Full Employment – Types of Unemployment – Classical Theory of Employment – Collapse of the Classical Theory of Employment – Say's Law of Market – Implications – Critical Analysis of Say's Law – Wage Cut theory – critical evaluation.						15
IV	Keynesian Theory of Employment The Principle of Effective Demand – ADF and ASF- Keynes's idea of Under employment Equilibrium – Determinants of Effective Demand - Importance of Effective Demand – Keynes Vs Classical – Supply Side Economics.						15

V	Consumption Function Meaning – Concept of MPC, MPS, APC and APS – J.M Keynes’s Psychological Law of Consumption - Implications - The Stability of the Consumption Function – Determinants of Consumption function – Absolute Income hypothesis-Relative income hypothesis- Permanent income hypothesis- Measures to Increase Consumption – Challenges and Implications.	15
	Total	75
Textbooks		
1.	Mankiw. N Gregory (2000), Macroeconomics, Worth Publishers, New York	
2.	Vaish M. C. (2003) Macro Economic Theory, S. Chand & Company Ltd New Delhi	
3.	Paul Krugman and Robin Wells (2015) Macroeconomics Worth Publisher	
4.	H.L. Ahuja, Macro Economics: Theory and Policy S. Chand, 2016	
5.	Andrew B. Abel and Ben S. Bernanke, Macro Economics, Pearson Education, Inc., 7th Edition, 2011.	
Reference Books		
1.	Rudiger Dornbusch, Stanley Fischer, and Richard Startz (2000), Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.	
2.	Parkin, M., 2014. Macro Economics. 11 th Edition. Essex: Pearson	
3.	Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.	
4.	Mueller, M.G. (Ed.) (1978), Readings in Macroeconomics, Surjeet Publications, New Delhi	
Web Resources		
1.	http://www2.econ.iastate.edu/tesfatsi/sources.htm	
2.	https://www.khanacademy.org/economics-finance-domain/macroeconomics	
3.	https://www.econlib.org	
4.	https://financialservices.gov.in/beta/en/https://www.rbi.org.in/	
5.	https://www.worldbank.org/en/topic/macroeconomics	

SECOND YEAR-SEMESTER – III

26UECC32-STATISTICS FOR ECONOMICS-I

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC32	Statistics for Economics-I	Core	5	5	30	70	100
Course Outcomes							
Cos	On the Completion of the Course, Learners will be able to						KL
CO1	Describe the meaning, scope, and importance of statistics in economics and social sciences.						K2
CO2	Classify, organize, and present statistical data using tables, diagrams, and graphs.						K3
CO3	Apply measures of central tendency for simple economic data analysis.						K3
CO4	Analyze dispersion and variability in economic and social data						K4
CO5	Compute correlation and simple regression for basic economic applications.						K4
CO6	Interpret statistical results and apply them in solving rural and economic problems.						K5
Module	Contents						Hours
I	Introduction Statistics – Definition- Functions –Statistics and Economics – Limitations of statistics. Methods of collecting Data: Primary Data – Methods-Direct Personal Observation - Indirect Oral Interviews-Information Through Agencies-Mailed Questionnaires-Schedules Sent through Enumerators- Merits and Demerits of each Method. Secondary data: Meaning – Classifications- Published and Unpublished – Tabulation of data						15
II	Presentation and Sampling Technique Diagrammatic Presentation: Classifications-Line Diagram – Simple Bar Diagram – Multiple Bar Diagram – Percentage Bar Diagram- Pie Diagram- Pictogram- Cartogram- Graphic Presentation – Histogram- Rectangular Diagram-Horizontal Line Diagram. Census and Sample Method: Principles of sampling – Methods of Sampling – Probability sampling methods – Non probability methods- Sampling error.						15
III	Measures of central tendency Measures of central value – Requisites of a Good average - Arithmetic mean - Median- Mode - Geometric Mean-Individual observations-						15

	Discrete series-Continuous series. Weighted mean – Quartiles - Percentiles.	
IV	Measures of dispersion Properties of Good measure of variation-Range – Co-Efficient of Range – Quartile Deviation – Co-Efficient Quartile Deviation – Mean Deviation from Mean – Co-Efficient Deviation form Mean - Mean Deviation from Median – Co- Efficient Mean Deviation from Median – Standard Deviation – Coefficient of Variation.	15
V	Skewness and Kurtosis Skewness: Meaning and Definition – Characteristics of Symmetrical and Skewed Distributions - Types of Skewness – Positive and Negative Skewness - Measures of skewness: Karl Pearson’s, co-efficient of skewness - Bowley’s co-efficient of skewness- Kelly’s co-efficient of skewness – Merits and Demerits – Kurtosis (Definition and List of formula only)	15
	Total	75
Textbooks		
1.	Gupta. S.P (2017) Statistical Methods, Sultan Chand and Sons, New Delhi.	
2.	Sancheti. D.C and Kapoor V.K(2017) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi.	
3.	Dr. T.K.V. Iyengar, Dr. B. Krishna Gandhi S. Ranganantham, Dr. M.V.S.S.N Prasad, Probability and Statistics, S. Chand and Co, 2020.	
4.	Prof S.G. Vekatachalapathy and Dr. H. Premraj (2018) Statistical Methods Margham Publications.	
5.	Dominick Salvatore and Derrick Reagle, theory and problems of statistics and econometrics, Mc Graw Hill, (2002)	
Reference Books		
1.	Saxena H.C , (2016) Elementary Statistics, S Chand and Company New Delhi.	
2.	Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi	
3.	Manoharan M (2010), “Statistical Methods”, Palani Paramount Publications, Palani.	
4.	R.S.N. Pillai and V. Bagavathi (2010), Statistics, Sultan Chand and Sons, New Delhi	
Web Resources		
1.	https://www.cuemath.com/data/statistics/	
2.	https://stattrek.com/statistics/resources	
3.	https://testbook.com/learn/maths-mean-median-mode/	
4.	https://www.statistics.com/	

SECOND YEAR-SEMESTER – III**26UECE31-URBAN ECONOMICS**

Course Code	Course Name	Category	Credits	Hours	Marks		
					CI A	Extrenal	Total
26UECE31	Urban Economics	Elective	3	4	30	70	100
Course Outcomes							
COs	On completion of this course, students will be to						K L
CO1	Describe the concepts, scope, and significance of Urban Economics and urbanization processes.						K2
CO2	Analyze theories of urban growth, city structure, and urban development.						K4
CO3	Examine housing markets, land use patterns, and urban infrastructure issues.						K4
CO4	Evaluate urban transportation systems and environmental challenges affecting cities.						K5
CO5	Assess urban poverty, inequality, governance, and public policy interventions.						K5
CO6	Apply urban economic principles to contemporary issues such as smart cities, sustainable development, and digital urban governance.						K3
Module	Contents						Hours
I	Introduction to Urban Economics and Urbanization Meaning, Nature and Scope of Urban Economics - Urbanization: Concepts- Causes and Trends. Urban Growth in India. Rural–Urban Migration Urban Agglomeration and Metropolitan Development - Urbanization and Economic Development - Contemporary Urbanization Challenges in India.						12
II	Urban Growth and City Structure Theories of Urban Growth: Central Place Theory -Location Theory: Urban Land Use Models -Sector Model -Multiple Nuclei Model: determinants of City Size-Agglomeration Economies -Urban Spatial Structure.						12
III	Housing, Land Use and Urban Infrastructure Urban Land Market and Land Use-Housing Demand and Supply - Affordable Housing Policies -Slums and Informal Settlements: Urban Infrastructure -Water Supply -Sanitation -Electricity -Waste Management: Financing Urban Infrastructure -Public-Private Partnerships (PPP).						12
IV	Urban Transportation Systems Economics of Public Transport -Traffic Congestion and Economic Costs: Urban Mobility and Accessibility -Environmental Problems in Cities-Air and Water Pollution -Solid Waste Management -Sustainable Urban Development -Green Cities and Climate Resilience.						12

V	Urban Governance and Smart Cities Urban Poverty and Inequality -Informal Sector Employment -Urban Governance and Local Bodies: Municipal Finance -Urban Public Services - Urban Planning and Policy: Smart Cities Mission in India-Digital Governance and E-Governance -Sustainable and Inclusive Cities.	12
	Total	60
Textbooks		
1.	O'Sullivan, Arthur. Urban Economics (Latest Edition). 2025 McGraw-Hill Education.	
Reference Books		
1.	Harry W. Richardson – Urban Economics	
2.	Edwin S. Mills & Bruce Hamilton – Urban Economics	
3.	Jan K. Brueckner – Lectures on Urban Economics	
4.	Shukla, V. – Urban Development and Urban Planning	
5.	John F. McDonald – Fundamentals of Urban Economics	
6.	Henderson, J.V. and Thisse, J.F. – Handbook of Regional and Urban Economics	
Web Resources		
1.	https://www.worldbank.org .	
2.	https://www.oecd.org .	
3.	https://mohua.gov.in	
4.	https://www.rbi.org.in	

SECOND YEAR-SEMESTER – III

26UECE31-ENTREPRENEURIAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
26UECE31	Entrepreneurial Economics	Elective	3	4	CIA	External	Total
					30	70	100
Course Outcomes							
COs	On the Completion of the Course Learners will be able to						KL
CO1	Explain the meaning, types, traits, barriers, and stages of the entrepreneurial process, including the development of entrepreneurial culture.						K2, K3
CO2	Apply concepts of entrepreneurship development to identify and evaluate business opportunities, generate and screen project ideas.						K3
CO3	Describe the significance, categories, barriers, and promotional measures of women entrepreneurship.						K2
CO4	Analyze market, technical, and cost–benefit aspects of project formulation and evaluate procedures involved in setting up new enterprises.						K4
CO5	Assess the components, process, and advantages of business planning and prepare a model project report individually.						K5
CO6	Examine various long-term, medium-term, and short-term sources of finance including venture capital, business angels, commercial banks, and government grants.						K4, K5
Module	Contents						Hours
I	Introduction to Entrepreneurship Meaning and types- Traits of entrepreneurship- Barriers to entrepreneurship, -the entrepreneurial culture-Stages in entrepreneurial process.						12
II	Women entrepreneurship Meaning – Importance– Categories- Barriers of women Entrepreneurship- State and Central Schemes for Women entrepreneurship.						12
III	Entrepreneurship development Meaning- objectives-Opportunity Identification and Evaluation-Generation and screening the project ideas- Market analysis- Technical analysis -Cost-benefit analysis. Project formulation- Meaning and Importance- Setting up of Enterprises.						12
IV	Business Planning Process Meaning of business plan- Business plan process- Advantages of business planning- preparing a model project report for starting a new venture- Individual and Team-based project work.						12

V	Funding and Sources of Finance Importance- Long term, Medium term and Short term sources - Venture capital- Venture capital process- Business angles- Commercial banks- General Government Grants and Schemes.	12
	Total	60
Textbooks		
1.	Entrepreneurship Development, Vijay Nicole Imprints private Limited. Khanka S.S., Entrepreneurial Development, S. Chand & Co. Ltd., New Delhi, 2001.	
2.	Dynamics of Entrepreneurial Development and Management – Vasant Desai, Himalaya Publishing House	
3.	Reddy, Entrepreneurship: Text & Cases - Cengage, New Delhi. Kuratko/rao, Entrepreneurship: A South Asian Perspective.-Cengage, New Delhi.	
Reference Books		
1.	Entrepreneurship – Robert D. Hisrich, Michael P. Peters & Dean A. Shepherd, McGraw Hill.	
2.	Entrepreneurship Development: Small Business Enterprises – Poornima M. Charantimath, Pearson Education.	
3.	Small-Scale Industries and Entrepreneurship – Vasant Desai, Himalaya Publishing House.	
4.	Entrepreneurship Development in India – C.B. Gupta & N.P. Srinivasan, Sultan Chand & Sons.	
5.	Sangeeta Sharma, Entrepreneurship Development, PHI Learning Pvt. Ltd., 2016	
Web Sources		
1.	https://msme.gov.in	
2.	https://www.startupindia.gov.in	
3.	https://www.nsic.co.in	
4.	https://www.sidbi.in	
5.	https://www.niti.gov.in	

SECOND YEAR-SEMESTER – III

26UHEL31 LIFE COPING AND ENTREPRENEURIAL SKILLS MANAGEMENT

SEMESTER: III	SEC 4	HOURS:2	CREDITS:2	TOTAL HOURS:30
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Course Outcomes:

After completion of the Course, the students will be able to

CO1: Explain holistic health including physical, mental, and social wellbeing. (K2)

CO2: Apply healthy lifestyle practices including nutrition, hygiene, and digital wellbeing. (K3)

CO3: Analyze social and professional situations using empathy and ethical reasoning. (K4)

CO4: Apply structured decision-making and problem-solving skills in real-life situations. (K3)

CO5: Demonstrate coping strategies for stress, crisis, and uncertainty. (K3)

CO6: Evaluate addiction risks and design strategies for a healthy lifestyle. (K5)

Unit I: Holistic Health & Lifestyle Management (6 Hours)

WHO's definition of Health – Dimensions of Health – Adolescent Health and Women's Health – Understanding Physical Self – Personal Hygiene and Grooming – Balanced Diet and Nutrition – Healthy Habits and Lifestyle – Lifestyle Diseases and Prevention – Digital Wellbeing (Screen Time, Sleep Cycle, Mental Balance) – Public Health Awareness.

Unit II: Social Intelligence & Relationship Management (6 Hours)

Family Relationship: Values in family relationship, nuclear family, Joint Family, Dependence, Overdependence, Happy family, Broken Family - Caring Elders - Rapport Building with Peers/ Friends, Strangers, Transgenders - Professional Relationship: Officials, Mentors, Staff & Service Personnel- Other centeredness and others point of view and Empathy.

Unit III: Decision-Making & Problem-Solving Skills (6 Hours)

Types of Problems (Academic, Personal, Financial, Social) – Problem-Solving Strategies – Decision-Making Process – Rational and Intuitive Decision-Making – Ignatian Discernment Process – Lateral Thinking and Creativity – Basic Financial Literacy (Needs vs Wants, Saving, Budgeting).

Unit IV: Coping with Stress, Crisis & Change (6 Hours)

Meaning and Types of Stress – Causes of Stress (Academic, Social, Digital) – Stress Management Techniques – Emotional Regulation Strategies – Time Management and Productivity – Crisis Management (Failure, Uncertainty, Loss) – Building Resilience and Adaptability.

Unit V: Addiction Awareness & Personal Safety**(6 Hours)**

Meaning and Types of Addiction – Substance Addiction – Digital and Internet Addiction – Causes and Effects of Addiction – Prevention and Control Measures – Self-Regulation Techniques – Cyber Safety and Responsible Internet Usage – Seeking Help and Counselling Support.

Activity Collaborators: Anti-drug Club, Women's Forum.

Reference Books:

1. Dr. Xavier Alphonse S.J., We Shall Overcome, ICRDEC Publications, Chennai, 2004.
2. Covey Sean, Seven Habits of Highly Effective Teens, New York, Fireside Publishers, 1998.
3. Carnegie Dale, How to win Friends and Influence People, New York: Simon & Schuster, 1998.
4. Clear, James. 2018. Atomic Habits: An Easy & Proven Way to Build Good Habits & Break Bad Ones. New York: Avery
5. Atomic Habits – James Clear, Avery, 2018.
6. The 7 Habits of Highly Effective People – Stephen R. Covey, Free Press.
7. Emotional Intelligence – Daniel Goleman, Bantam Books.
8. Thinking, Fast and Slow – Daniel Kahneman, Penguin Books.

SECOND YEAR-SEMESTER – III

26UECS31-DIGITAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
26UECS31	Digital Economics	SEC5	2	2	CIA	External	Total
					30	70	100
Course Outcomes							
COs	On the Completion of the Course, Learners will be able to						KL
CO1	Describe the meaning, scope, evolution, and key characteristics of the Digital Economy.						K3
CO2	Analyze the structure and functioning of digital markets, including platform economy, two-sided and multi-sided markets.						K4
CO3	Examine the role of data, Big Data, Artificial Intelligence, and Machine Learning in economic decision-making within the digital economy.						K4
CO4	Assess the impact of digital technologies on labour markets, gig economy, employment patterns, skills, and wages.						K5
CO5	Describe digital finance and e-commerce systems, FinTech innovations, UPI, block-chain, crypto currencies.						K3
CO6	Evaluate digital governance mechanisms, data protection policies, digital taxation issues, and regulation of digital platforms.						K5
Module	Contents						Hours
I	Introduction Meaning and scope of Digital Economics - Evolution of digital economy- Characteristics of the digital economy. Role of ICT, Internet, and Mobile technologies.						6
II	Digital Markets Meaning- features and structure. Platform economy: concept and types. Role of Big Tech companies (Google, Amazon.) Pricing strategies in digital markets.						6
III	Data and Technology in Digital Economy Data as an economic resource -Big Data and economic decision-making. Artificial Intelligence and Machine Learning in economics -						6
IV	Digital Finance and E-Commerce Digital payments and financial inclusion- FinTech: meaning and scope UPI, mobile wallets, digital banking – Cryptocurrencies and blockchain (basic concepts only).						6
V	Digital Governance and Policy Digital Governance - E-Governance and digital service delivery Digital taxation and global tax challenges- Regulation of digital platforms and its importance.						6
	Total						30

Textbooks	
1.	Tapscott, Don. The Digital Economy: Promise and Peril in the Age of Networked Intelligence. McGraw-Hill.
2.	Mesenbourg, Thomas L. Measuring the Digital Economy. U.S. Bureau of Economic Analysis.
Reference Books	
1.	Varian, Hal R., Shapiro, Carl. Information Rules: A Strategic Guide to the Network Economy. Harvard Business School Press.
2.	Brynjolfsson, Erik & McAfee, Andrew. The Second Machine Age. W.W. Norton & Company.
3.	Katz, Michael & Shapiro, Carl. Platform Economics and Digital Competition. Journal Compilation.
4.	Gurumurthy, Anita. Digital India: Rethinking Growth and Inclusion. IT for Change.
5.	Sundararajan, Arun. The Sharing Economy. MIT Press.
Web Sources	
1.	https://www.oecd.org/digital
2.	https://www.worldbank.org/en/topic/digitaldevelopment
3.	https://www.rbi.org.in
4.	https://www.niti.gov.in
5.	https://economicgraph.google.com
6.	https://aws.amazon.com/economics

SECOND YEAR-SEMESTER – IV

26UECC41 MACRO ECONOMICS-II

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC41	Macro Economics-II	Core	5	5	30	70	100
Course Outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Recall and describe the investment function and its categories in the present context.						K2
CO2	Remember and recite the IS-LM Model and its operations.						K1, K2
CO3	Classify and apply the operation of theories of Business Cycles in macroeconomic perspectives.						K3, K4
CO4	Analyse and evaluate the components of Money Supply and Demand.						K4
CO5	Evaluate and apply the effectiveness of Fiscal Policy.						K4
CO6	Examine and analyse Supply Side Economics in relevance today						K4, K5
Module	Contents						Hours
I	Investment function Meaning of Investment-Types of investment-Marginal Efficiency of Capital-MEC and Investment demand curve-MEC and rate of interest-Factors affecting MEC and criticisms.						15
II	Multiplier and Accelerator Meaning-MPC and multiplier – multiplier process- Operations of multiplier-Leakages of multiplier-Significance of multiplier-Criticisms. Accelerator-Meaning-working strategy of accelerator-Significance-Limitations- Difference between Multiplier and accelerator- Super multiplier.						15
III	Theories of Inflation and Unemployment Meaning of Inflation – types of Inflation – Measurement of Inflation – causes and the economic effects of Inflation– Inflationary gap -The Classical and Neo-classical theories of Inflation – the Keynesian theory of Inflation– measures to control inflation - inflation and rate of unemployment –Phillips’s curve-Operations.						15
IV	Theories of Business Cycles Meaning and types - Phases of Business cycle- Theories of business cycle. Hawtrey’s Monetary Theory of Trade Cycle- Schumpeter’s Theory of Innovations- Samuelson’s Model of Trade Cycle- Hicks’s Model of Trade Cycle.						15
V	Macroeconomic policies Meaning- - Goals of macroeconomic policy-Objectives and Conflicts - Instruments of Monetary policy and Fiscal policy- Classical theory and Keynesian theory – Fiscal expansion – IS-LM model and fiscal policy – Importance of fiscal policy.						15

		Total	75
Textbooks			
1.	Mankiw. N Gregory (2000), Macroeconomics, Worth Publishers, New York		
2.	Vaish M.C. (2003) Macro Economic Theory, S. Chand & Company Ltd New Delhi		
3.	Paul Krugman and Robin Wells (2015) Macroeconomics Worth Publishers		
4.	H.L. Ahuja, Macroeconomics: Theory and Policy S. Chand, 2016		
5.	Andrew B. Abel and Ben S. Bernanke, Macroeconomics, Pearson Education, Inc., 7th Edition, 2011.		
Reference Books			
1.	Rudiger Dornbusch, Stanley Fischer, and Richard Startz (2000), Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.		
2.	Parkin, M., 2014. Macroeconomics. 11 th Edition. Essex: Pearson		
3.	Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.		
4.	Mueller, M.G. (Ed.) (1978), Readings in Macroeconomics, Surjeet Publications, New Delhi		
Web Resources			
1.	http://www2.econ.iastate.edu/tesfatsi/sources.htm		
2.	https://www.khanacademy.org/economics-finance-domain/macroeconomics		
3.	https://www.econlib.org		
4.	https://www.economics.mit.edu/		
5.	https://financialservices.gov.in/beta/en/ https://www.rbi.org.in/		
6.	https://www.worldbank.org/en/topic/macroeconomics		

SECOND YEAR-SEMESTER – IV

26UECC42-STATISTICS FOR ECONOMICS-II

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC42	Statistics for Economics-II	Core	5	5	30	70	100
Course Outcomes							
COs	On the Completion of the Course, Learners will be able to						KL
CO1	Know the relationship between variables and its interpretation and restate the correlation and regression						K2
CO2	Understand and compare the techniques of correlation and regression analyses						K3
CO3	Apply the economic data in graphs and diagrammatic representations						K3
CO4	Analyze the measures of values of data through time series and index numbers						K4
CO5	Asses the economic data from sources and fit based into the probability techniques.						K4
CO6	Know the relationship between variables and its interpretation and restate the correlation and regression						K3
Module	Contents						Hours
I	Correlation Correlation: Meaning and Definition – Types: Positive and Negative – Simple and Multiple – Partial and Total - Linear and Non - Linear – Methods of correlation: Simple and Scatter Diagram - Karl Pearson's Co-efficient of correlation: properties, Assumptions, Merits and Demerits – Spearman's Rank Correlation: Problems, Merits and Demerits.						15
II	Regression Regression: Meaning, Definition, Uses and significances of regression analysis – Differences between correlation and Regression – calculation of correlation coefficient and regression equation of X on Y and regression equation of Y on X.						15
III	Time series Time series: Meaning – Components of Time Series – Semi Average - Moving Averages. Method of Least square: $Y_C = a + bX$ and second-degree parabola $Y_C = a + bX + cX^2$ only – Uses – Measurement for seasonal variations: method of simple average and method of Ratio-to- Trend.						15
IV	Index number Index Number: Meaning – Uses – Components – Price and Quantity Index Number - Construction of Index number: Unweighted – Weighted Index Number: Laspere's, Paasche's, Marshall, Fisher's and Bowley's – Consumer Price Index – Problems in construction						15

	of Index number – Tests of Adequacy of index number: Time Reversal Test – Factor Reversal Test - Cost of living Index.	
V	Probability Probability: Meaning and Definition – Types of Probability – Sample Space- Mutually Exclusive Cases- Exhaustive Event – Independent Event- Dependent Event- Simple and Compound Event- Addition and Multiplication theorems (Simple problems only).	15
	Total	75
Textbook		
1.	R. S. N. Pillai and Bagavathi, (2015, Statistics, Sultan Chand & Co., New Delhi.	
Reference Books		
1.	Gupta, S.P., (2017), Statistical Methods, Sultan Chand and Sons, New Delhi.	
2.	Murray R. Spiegel, (2012), Statistics, (Schaum's Outline Series) 4 th Edition, McGraw Hill International Book Co., Singapore.	
3.	Arora. P.N., Sumeet Arora and Arora. S. (2015) Comprehensive Statistical Methods. Sultan Chand & Co., New Delhi.	
4.	Croxton, Frederick E., and Dudley J. Cowden (2009) <i>Applied General Statistics</i> . New Delhi: Prentice Hall of India.	
Web Resources		
1.	www.indiastat.co .	
2.	www.discoveringstatistics.com	
3.	www.ocw.mit.edu/courses/	

SECOND YEAR-SEMESTER – IV

26UECE41 COMPUTER APPLICATIONS IN ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
26UECE41	Computer Applications in Economics	Elective	4	4	CIA	External	Total
					30	70	100
Course Outcomes							
COs	On the Completion of the Course, Learners will be able to						KL
CO1	Explain the basic concepts of computers, components, peripherals, memory systems, software types, and operating systems						K2
CO2	Operate MS Word and MS PowerPoint for preparing academic documents, tables, and presentations related to economics topics.						K3, K4
CO3	Enable the use MS Excel worksheets and workbooks for data entry, formatting, and performing arithmetic, logical, and comparison operations.						K4
CO4	Apply data processing techniques in MS Excel including file handling, data storage, retrieval, sorting, filtering, and attribute control.						K4, K5
CO5	Compute and interpret descriptive statistical measures such as Mean, Median, Mode, Variance, Standard Deviation, Index Numbers, and Growth Rates using Excel.						K5
CO6	Analyze economic data using Correlation and Regression tools in Excel and interpret the results for economic decision-making.						K5
Module	Contents						Hours
I	Introduction to Computers Computer and Peripherals: Meaning, Types, Features and Limitations – Basic Components – Input and output Devices – Primary Memory and secondary storage – Computer software – Types –Operating Systems: Functions and Types.						10
II	Introduction to MS Office Windows Explorer – MS Word: Basic operations in word – Formatting – Text Creation of Tables and Volumes, Editing, – MS Power point presentation – creating, opening and Saving Slideshow and Animations.						10
III	Introduction to MS Excel MS Excel: Worksheet and Work Book – Opening and Formatting. Calculation Operators: Arithmetic Operators – Comparison Operators Logical Operations – Excel Tool Bars – Formatting of Text, Tables and Graphs.						12
IV	Data Processing in MS Excel Data processing Techniques using MS Excel: concept of Data – Record and File – Types of Data – Data Entry – File Handling and operations – Opening, Appending and Cascading – Closing and Attribute Controls – Data Storage and Retrieval.						14

V	Application of MS Excel in Economics and Statistics Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance – Index Numbers and Growth Rates – Correlation – Regression analysis (by using Analysis of Toolpak in Data menu)	14
	Total	60
Textbooks		
1.	Sanjay Saxena – A First Course in Computers (2022) – Vikas Publishing House.	
2.	Kiran Prakashan – Computer Applications in Economics and Statistics (2021)	
Reference Books		
1.	Peter Norton – Introduction to Computers – McGraw Hill Education.	
2.	Sinha, P.K. & Sinha, Priti – Computer Fundamentals – BPB Publications.	
3.	C.R. Kothari & Gaurav Garg – Research Methodology – New Age International.	
4.	S.P. Gupta – Statistical Methods – Sultan Chand & Sons.	
5.	A.C. Chiang & Kevin Wainwright – Fundamental Methods of Mathematical Economics – McGraw Hill.	
Web Sources		
1.	https://support.microsoft.com	
2.	https://support.microsoft.com/excel	
3.	https://edu.gcglobal.org	
4.	https://ndl.iitkgp.ac.in	
5.	https://epgp.inflibnet.ac.in	

SECOND YEAR-SEMESTER – IV

26UECE41 DATA ANALYTICS IN ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
26 UECE 41	Data Analytics in Economics	Elective	4	4	CIA	External	Total
					30	70	100
Course Outcomes							
COs	On the Completion of the course, learners will be able to						KL
CO1	Identify and classify different types of data used in economics and explain methods of data collection.						K2
CO2	Construct frequency distributions and graphical presentations for qualitative and quantitative data.						K3
CO3	Analyze data using relative, percent, and cumulative frequency distributions.						K4
CO4	Compute and interpret measures of central tendency for grouped and ungrouped data.						K3,K4
CO5	Use MS Excel to analyze economic data and present meaningful statistical insights.						K4
CO6	Analyse the statistical data and create the data interpretation and apply them in the economic policies						K4, K5
Module	Contents						Hours
I	Data and Its Collection Meaning of Data and Information, Types of Data: Qualitative and Quantitative, Discrete and Continuous Data, Sources of Data: Primary and Secondary, Methods of Data Collection, Sample and Population, Applications in Economics.						12
II	Frequency Distribution Frequency Distribution: Concept and Importance, Ungrouped and Grouped Frequency Distributions, Discrete Frequency Distribution, Continuous Frequency Distribution, Principles of Forming Grouped Frequency Distributions, Construction of Frequency Distributions using MS Excel.						12
III	Graphical Presentation of Data Bar Graphs: Simple and Multiple, Pie Charts and Their Effectiveness, Histogram and Its Construction Inclusive and Exclusive Class Intervals, Graphical Presentation using MS Excel, Best Practices for Effective Data Visualization.						12
IV	Relative and Cumulative Frequency Analysis Relative Frequency Distribution, Percent Frequency Distribution, Cumulative Frequency Distribution Cumulative Percent Frequency,						12

	Interpretation of Economic Data Using Frequencies, Applications and Case Studies.	
V	Measures of Central Tendency Introduction to Central Tendency, Mean: Concept, Importance, and Calculation, Mean for Grouped and Ungrouped Data, Weighted Mean, Median and Mode, Comparison of Mean, Median, and Mode, Computation Using MS Excel, Applications in Economics.	12
	Total	60
Textbooks		
1.	Statistics for Economics (2015) – Kendall & Stuart, McGraw-Hill	
2.	Fundamentals of Mathematical Statistics – S.C. Gupta & V.K. Kapoor, Sultan Chand & Sons.	
Reference Books		
1.	Introductory Statistics – Schaum’s Outline Series, McGraw-Hill.	
2.	Statistics for Business and Economics – Anderson, Sweeney & Williams, Cengage Learning.	
3.	OpenStax – Free statistics textbooks and datasets.	
4.	Basic Statistics – Damodar N. Gujarati, McGraw-Hill.	
5.	Microsoft Excel – Data analysis and graphical presentation tools.	
Web Sources		
1.	https://www.nielit.gov.in	
2.	https://www.mygreatlearning.com	
3.	https://www.skillindiadigital.gov.in	
4.	https://www.coursera.org/	
5.	https://www.youtube.com/watch?v=yvuPdaWKZ6A	

SECOND YEAR-SEMESTER – IV

26UECE42 ENERGY ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECE42	Energy Economics	Elective	2	2	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Explain the fundamentals of energy economics, types of energy resources, and laws of thermodynamics.						K2
CO2	Analyze energy demand patterns, forecasting methods, and demand-side management techniques						K4
CO3	Evaluate the economics of fossil fuels and apply Hotelling's Rule to resource allocation.						K5
CO4	Examine electricity markets and pricing strategies including peak-load and marginal cost pricing.						K4
CO5	Assess renewable energy economics and sustainability challenges including intermittency and technology diffusion.						K5
CO6	Apply environmental policies, carbon pricing, and financial tools (NPV, IRR) in energy project evaluation.						K4
Module	Contents						Hours
I	Fundamentals of Energy Economics Meaning and Importance of energy economics - Types of energy resources (renewable and non-renewable) Energy measurement and accounting Energy balance concepts.						6
II	Energy Demand & Management Energy demand: Concepts and determinants- Demand trends and patterns - -Demand-Side Management (DSM): Meaning- Importance-techniques.						6
III	Energy Supply Economics Economics of fossil fuels: oil, Gas, and Coal- Non-renewable resources and scarcity issues-Hotelling's Rule and optimal resource extraction.						6
IV	Electricity Markets & Renewable Energy Electricity markets: Structure and characteristics -Pricing of electricity- Renewable energy economics -Issues of intermittency and technology adoption.						6
V	Environment, Climate Policy & Energy Finance Global agreements: Kyoto Protocol and Paris Agreement- Net-Zero emission targets-Investment in energy infrastructure.						6
	Total						30
Textbooks							
1.	Subhes C. Bhattacharyya (2019) – Energy Economics: Concepts, Issues, Markets and Governance, Springer						
2.	Paul Stevens (2010) – The Economics of Energy, Oxford University Press						

3.	Nick Jenkins (2017) – Renewable Energy Systems, <i>Cambridge University Press</i>
Reference Books	
1.	Peter Zweifel, Aaron Praktiknjo & Georg Erdmann (2017) – Energy Economics: Theory and Applications, Springer
2.	Michael Grubb (2014) – Planetary Economics, Routledge
3.	Hunt Allcott & Michael Greenstone (2012) – ‘Is There an Energy Efficiency Gap. Journal of Economic Perspectives
4.	Daniel Yergin (2011) – The Quest: Energy, Security, and the Remaking of the Modern World, Penguin
Web Resources	
1.	International Energy Agency – https://www.iea.org
2.	U.S. Energy Information Administration – https://www.eia.gov
3.	World Bank – https://www.worldbank.org (Energy Data & Reports)
4.	United Nations Framework Convention on Climate Change – https://unfccc.int
5.	International Renewable Energy Agency – https://www.irena.org

SECOND YEAR-SEMESTER – IV**26UECE42 GENDER ECONOMICS**

Course Code	Course Name	Category	Credits	Hours	Marks		
					CI A	External	Total
26UECE42	Gender Economics	Elective	2	2	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Understand and analyse the importance and status of women in Indian Society along with the recent trends in women studies.						K2
CO2	Describe the various aspects of women demography and their issues, including health and education.						K3
CO3	Review the economic thoughts of dominant Indian women.						K4
CO4	Analyse the role of women in economic development along with the factors affecting female entry into labour market.						K5
CO5	Evaluate various welfare schemes and their impact on women empowerment in Indian context.						K5
CO6	Illustrate the role of different welfare schemes for women in promoting women entrepreneurship.						K4
Module	Contents						Hours
I	Introduction Gender economics concepts--Importance of Gender study-Status of women in Indian society- From Early Vedic period to present - Recent trend in women's studies in India- Gender Equality- A Socio-economic need - Gender Inequality- Causes and Effects.						6
II	Gender demography Characteristics of Women Demography -Population of Girl Child and Age structure -Sex Ratio and Fertility- Health status of women- Social, economic and cultural factors influencing health.						6
III	Women workforce Participation of Women in Indian Society- Agriculture, Industries and services- Evaluation of Home management- Female work participation in organized and unorganised sector -Women discrepancy in work and wages.						6
IV	Women Empowerment Women Empowerment- Concept, Need and Challenges - National policies for the Empowerment of women -Democratic Decentralisation and Women's Empowerment in India.						6
V	Women welfare schemes in India Indira Awas Yojana- MNREGA- Mudra Yojana - Make in India - Startup India - Atmanirbhar Yojana- Beti Bachao Beti Padhao Scheme.						6
	Total						30
Textbooks							
1.	Kumar das, (2008), gender dynamics, reference press publication, India, 1st edition 4.						

2.	Deepan das, introduction to women's studies, concept publication company, India (2019) 1st edition.
Reference Books	
1.	Nelasco, Dr. Shobhana, Status of Women in India, Deep and Deep Publication, New Delhi
2.	Sinha A. K, New Dimension of Women Empowerment, Deep and Deep Publication, New Delhi.
3.	Singh, Dr. Gurucharan, Women Entrepreneurship, Shree Publishers and Distributors, New Delhi.
4.	Singh, Dr. R. V., Women Empowerment in India, Shree publishers and Distributors. New Delhi.
Web Resources	
1.	https://www.nber.org/gite?page=1&perPage=50
2.	https://www.exploring-economics.org/en/discover/gender-economics/
3.	https://hdr.undp.org/gender-development-index#/indicies/GDI
4.	https://onlinecourses.swayam2.ac.in/e-learning/preview/nou26_ge53
5.	https://www.imf.org/en/capacity-development/training/icdte/courses/gm

SECOND YEAR-SEMESTER – IV

26UEVS41 ENVIRONMENTAL STUDIES

SEMESTER:IV	EVS	HOURS:2	CREDITS:2	TOTAL HOURS:30
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Course Outcomes:

The students will be able to:

- CO1:** Describe various natural resources and the fundamental principles of sustainable development to explain resource interdependence. (K1)
- CO2:** Explain the relationship between biodiversity and various conservation approaches to maintain ecological balance. (K2)
- CO3:** Apply prevention and mitigation strategies to address specific environmental issues and ecosystem degradation. (K3)
- CO4:** Illustrate the adverse health impacts of different types of pollution on human populations and ecosystems. (K3)
- CO5:** Evaluate environmental quality indicators and the effectiveness of climate change mitigation risks. (K5)
- CO6:** Summarize major international environmental treaties and national legislations aimed at environmental protection. (K2)

Unit I: Natural Resources

(6 Hours)

Environment – Definition; Overview of natural resources: definition, types of natural resources. Biotic and abiotic, renewable and non-renewable resources. Water resources: types, over-exploitation, issues, challenges, water scarcity, conflicts. Soil and mineral resources: important minerals, problems, soil as a resource. Energy resources: sources, conventional and non-conventional, implications. (IKS- Traditional water conservation methods (e.g., temple tanks, ooranis, johads).Indigenous agricultural practices and soil conservation methods.)

Unit II: Environmental pollution and Health

(6 Hours)

Natural and man-made disasters and their impacts of environment and management. Pollution: definitions, natural and man-made pollution. Different types of pollution- Air, Water, Soil, Noise, Radioactive and solid waste pollution: Sources of pollution, different types of pollutants, effects of pollution in environment and human health, prevention and control of pollution. (IKS- Traditional waste management practices. Herbal and indigenous methods to reduce pollution impacts.)

Unit III-Conservation of Biodiversity and Ecosystem

(6 Hours)

Biodiversity and its distribution: Levels and types, India and world, hotspots, threat categories. Ecosystems and ecosystem services: major types in India, basic characteristics, significance. Threats to biodiversity and ecosystems: land use, commercial exploitation of species and invasive species. Types of Biodiversity conservation (*In-situ and Ex-situ*). (IKS- Sacred groves and community-based conservation practices, Role of indigenous communities in biodiversity protection)

Unit IV: Climate change: Impacts, Adaptation and Mitigation (6 Hours)

Climate change: structure and different layers of atmosphere, Impacts, vulnerability and adaptation to climate change. Mitigation of climate change: GHGs types, sources, impacts and control. Importance of 1.5 °C and 2.0 °C Global warming and Ozone depletion. Concept of carbon intensity, energy intensity and carbon neutrality; policy instruments, carbon capture and storage, climate justice. Anthropogenic factors - Human over population, over consumption, pollution, Mining, Transport, Environmental degradation and Impact of human activities. (IKS- Traditional climate-resilient farming practices. Indigenous housing designs for climate adaptation.)

Unit V: Environmental Treaties, Legislation and Sustainable Development (6 Hours)

Overview of instruments of international cooperation: bilateral, multilateral, conventions and protocols, COPs. Major International Environmental Agreements: CBD, CITES, UNCCD, UNFCCC. Major Indian Environmental Legislations: acts, rules, sites, areas, zones and judgments. Introduction to sustainable development: SDGs, targets and indicators, challenges and strategies. Principle of sustainable development, international efforts of sustainable development and sustainable development in India: Perspective and strategies. (IKS- Community based natural resource management models.)

Skill-Based Activities:

Unit-I	➤ Field observation of local water bodies ➤ Preparation of a household resource audit report ➤ Case study analysis on sustainable practices
Unit-II	➤ Air and water quality observation survey ➤ Preparation of eco-friendly products (natural cleaners, composting) ➤ Awareness campaign design
Unit-III	➤ Biodiversity documentation of campus/local area ➤ Preparation of herbarium or digital biodiversity register
Unit-IV	➤ Carbon footprint calculation (individual/department level) ➤ Tree plantation and climate awareness drive
Unit-V	➤ Mock COP session ➤ Policy analysis and presentation ➤ Preparation of sustainability action plan for the campus

General Suggestions:

- Educational visit to Xavier Solai be organized as a common activity for all students.
- Include activity based and project based assignments.
- Conduct orientation programs for EVS faculty on IKS and skill based pedagogy.

- Students examine environmental problems in their local communities and develop solutions to address them.

Reference Books:

1. Singh, J.S., Singh, S.P., Gupta, S.R. (2006). Ecology, Environment and Resource Conservation. Anamaya Publications.
2. Harris, Frances (2012). Global Environmental Issues, 2nd Edition. Wiley- Blackwell.
3. Krishnamurthy, K.V. (2003). Textbook of Biodiversity, Science Publishers, Plymouth, UK.
4. Ahluwalia, V. K. (2015). Environmental Pollution, and Health. The Energy and Resources Institute (TERI).
5. Pittock, Barrie (2009). Climate Change: The Science, Impacts and Solutions. 2nd Edition. Routledge.
6. Ministry of Environment, Forest and Climate Change (2019). A Handbook on International Environment Conventions & Programmes.
7. KanchiKohli, Manju Menon (2021). Development of Environment Laws in India, Cambridge University Press.

THIRD YEAR-SEMESTER – V

26UECC51 MONETARY ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC51	Monetary Economics	Core	5	6	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Explain the evolution, functions, and defects of monetary standards, including the Indian monetary system and the breakdown of historical standards like the Gold Standard						K2
CO2	Analyze the classical, Keynesian, and modern theories of demand for money alongside the determinants and measures of money supply in India.						K4
CO3	Evaluate the operations, balance sheets, and credit creation processes of commercial banks, as well as the regulatory functions of the Central Bank (RBI)						K5
CO4	Formulate an assessment of the instruments, objectives, and time lags of monetary policy, including the impact of demonetization on a developing economy like India.						K5
CO5	Distinguish between the structures, functions, components, and inherent defects of the Indian money market and capital market.						K4
CO6	Explain and analyse the operations of RBI's and Commercial Banks and Money Multiplier.						K2, K5
Module	Contents						Hours
I	Monetary standards Barter System – Evolution of Money – Definitions of Money – Classification of Money Functions of Money – Significance and Defects of Money – Indian Monetary system: Barter system- Mughal Banking system. Gold Standard: Methods – Causes for the breakdown of Gold Standard – Gresham's Law – Paper Currency Standard – Systems of Note Issue.						18
II	Demand for and Supply of money Demand for Money: Quantity Theory of Money- Fisher's Transaction Version – Cambridge Version – Friedman's Theory of Demand for Money- Keynesian demand for money; Supply of Money: meaning- Classification- determinants of money supply – measures of money supply in India.						18

III	Banking Meaning and Functions of Commercial Bank – Role of Commercial Bank– Types of Banks – Banking Systems – Balance Sheet of Bank – Credit Creation – Recent Trends in Banking System- Central bank- Roles- Functions of Central bank (RBI).	18
IV	Money market and Capital market Money Market: Meaning – Features of Indian money market- Functions – Defects; Capital Market: Meaning – Features – Components and functions of Indian Capital Market – Difference between Capital and Money market –Defects; Stock Exchange Market: Meaning - Concepts of Securities, Shares, Bonds, National Stock Exchange Market – Sensex – Nifty – NBFIs (Non- Banking Financial Institutions)	18
V	Monetary Policy monetary policy: Meaning – Objectives – Instruments of Monetary Policy - Role of Monetary Policy in a Developing Economies – Lags in Monetary Policy: Time lag, Diagnostic and implementation; Demonetisation: Meaning- objectives – Merits and Demerits – India’s experiences with Demonetisation.	18
Total		90
Textbooks		
1.	Gupta R.D. (1995), Keynes and Post Keynesian Economics, Kalyani Publishers, New Delhi.	
2.	Jhingan M. L. (2004), Monetary Economics, Konark Publication, New Delhi.	
3.	Jagdish Handa, “Monetary Economics”, Talyor & Francis, 2008	
4.	L. Blume, Steven Durlauf, “Monetary Economics”, Palgrave Macmillan, 2016	
5.	Keith Bain, Peter Howells, “Monetary Economics: Policy and Its Theoretical Basis, Macmillan, 2009.	
Reference Books		
1.	Vaish M.C. (2004), Money, Banking and International Trade, New Age International (P) Ltd, New Delhi.	
2.	Sundaram K.P.M. (1996), Money, banking and International Trade, Vikas, New Delhi.	
3.	Basil J. Moore (1965), An Introduction to the theory of Finance, Oxford University Press.	
4.	Sethi, T.T. (2003). Monetary Economics: S. Chand and Co., New Delhi	
5.	Ghosh, B.N. and Rama Ghosh. (1989). Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai	
Web Resources		
1.	www.rbi.org.in	
2.	https://www.imf.org	
3.	https://www.oecd.org	
4.	https://www.bis.org/publ/work437.pdf	
5.	https://www.worldbank.org/	

THIRD YEAR-SEMESTER – V

26UECC52 INTERNATIONAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC52	International Economics	Core	5	6	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Distinguish between internal and international trade while explaining the historical relevance of indigenous Indian trade practices.						K2
CO2	Apply classical and modern trade theories to interpret modern global trade flows.						K3
CO3	Analyze the structural nature, sources, and determinants of gains from trade alongside factors causing unfavorable terms of trade under free trade and protectionist regimes						K4
CO4	Critically evaluate how foreign exchange rates are determined using Mint Parity, Purchasing Power Parity, and Balance of Payments theories, along with the fluctuations between fixed and flexible systems.						K5
CO5	Deconstruct the structural matrix of the Balance of Payments (BoP), identifying the types and causes of disequilibrium and recommending corrective structural measures within the Indian economic context.						K5
CO6	Synthesize the strategic operational roles, integration stages, and socio-economic impacts of global economic forums and regional alliances.						K6
Module	Contents						Hours
I	Theories of International Trade Meaning of International Trade- Differences between Internal and International Trade. Indigenous trade practices- (Silk Trade, Spices Trade Swadeshi movement in Indian Context) Theories of International Trade: a) Classical View – Adam Smith’s Absolute Cost Advantage – Ricardo’s Comparative Cost Theory b) Modern Theory of International Trade Heckscher– Ohlin Theorem						18
II	Gains from Trade And Terms of Trade Meaning and Nature of Gains – Sources of Gains – Factors Determining the Gains from Trade; Terms of Trade: Meaning – Types - Factors Affecting Terms of Trade – Reasons for the Unfavourable Terms of Trade - Free trade Vs. Protection Trade.						18
III	Foreign Exchange Meaning of Foreign Exchange – Determination of Exchange Rate - Theories of Exchange Rate – Mint Parity Theory - Purchasing Power Parity Theory - Balance of Payments Theory – Causes of Fluctuations in Exchange Rate – Fixed and Flexible Exchange Rates.						18

IV	Balance of payments Balance of Payments: Meaning – Structure of Balance of Payments - BoP and BoT - Disequilibrium in the Balance of Payments – Kinds and causes for disequilibrium in the Balance of Payments – Measures for Correcting Disequilibrium in Balance of Payments – BOP in Indian scenario.	18
V	International Economic Forums International Monetary Fund (I.M.F.) – World Bank (I.B.R.D.) – World Trade Organization (W.T.O) – Stages of Economic Integration - European Union (EU), ASEAN - South Asian Association for Regional Co-operation (SAARC) – BRICS	18
	Total	90
Textbooks		
1.	Mithani D.M (2012), Introduction to International Economics, Vora & Co Publishers, Bombay.	
2.	Dwivedi, D. N. (2013). International Economics: Theory and Policy. Vikas Publishing House, New Delhi.	
3.	Cherunilam, Francis (2006). International Economics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi	
4.	M.L Jhingan, “International Economics”, Vrinda publications, 2016	
5.	K.R. Gupta, International Economics, Atlantic Publishers, 2017	
Reference Books		
1.	Paul Krugman, Maurice Obstfeld, and Marc Melitz, (2012), International Economics: Theory and Policy, Addison-Wesley (Pearson Education Indian Edition), 9th edition.	
2.	Kindleberger, C.P (1977). International Economics, D.B. Taraporevala Sons and Co. Pvt. Ltd., Bombay	
3.	Leamer, E. E., & Stern, R. M. (2017). Quantitative International Economics. Routledge.	
4.	Salvatore, D. (2016). International Economics. John Wiley & Sons.	
5.	Jones, R. W., Grossman, G. M., Kenen, P. B., Rogoff, K., Gopinath, G., & Helpman, E. (Eds.). (1997). Handbook of International Economics (Vol. 3). Elsevier.	
Web Resources		
1.	https://www.imf.org	
2.	https://www.forextime.com/education/forex-trading-for-beginners	
3.	https://www.weforum.org/	
4.	https://www.wto.org/	
5.	https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en	

THIRD YEAR-SEMESTER – V

26UECC53 BASIC ECONOMETRICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC53	Basic Econometrics	Core	5	6	30	70	100
Learning Objectives							
Cos	On completion of this course, Learners will be to						KL
CO1	Understand the importance of Econometrics Vs Economics						K2
CO2	Learn the estimation techniques of measuring relationship among the economic variables.						K3
CO3	Develop the skill of framing econometric simple linear regression models with the help economic theories.						K4
CO4	Analyse the various multiple linear regression models by using various tests						K3, K4
CO5	Apply the real data and frame the new economic policies for development.						K3, K4
CO6	Construct and apply the real time data and test in the regression analysis.						K5
Module	Contents						Hours
I	Introduction to Econometrics Nature and scope of Econometrics – Mathematical Economics versus Econometrics – Desirable properties of an Econometric model – Time series and cross-section data- Phases of Econometric research – Specification, estimation, evaluation and application.						18
II	The Simple Linear Regression Model OLS method of estimating a SLRM – Equation error – Assumptions – Normal Equations- Statistical significance and application of an estimated model [simple problems].						18
III	The Multiple Linear Regression Model Model with two explanatory variables – Classical normal assumptions – OLS method of estimation – Normal equations- R^2 and adjusted R^2 – Partial correlation coefficients – Testing the significance of estimators – Prediction solving problems using intermediate results- Multi-collinearity problem of estimation – Meaning, sources, consequences, tests and remedial measures.						18
IV	Functional Forms of Regression Non-linear equations reduce able to linear form – log-linear model– Polynomial models- Engel’s demand function – Consumption function– Investment function- Cobb-Douglas production function – Testing for non- linearity – Testing the stability of regression-coefficients. [Simple problems with intermediate results].						18

V	Problems in Regression Heteroscedasticity – Meaning, sources, consequences, tests and solutions- Auto-correlation – Meaning, sources, consequences, tests and solutions- Specification errors – Types and consequences – Measurement errors – Types and solutions.	18
	Total	90
Textbooks		
1.	Gujarathi, D. M. (2022). Gujarati: Basic Econometrics. McGraw-Hill.	
2.	Ramanathan, R. (1992). Introductory econometrics with applications. Dryden Press.	
3.	Maddalla G.S.(2001) Introduction to Econometrics, Third Edition Wiley India	
4.	Koutsoyiannis. “A, Theory of Econometrics”, Palgrave, Delhi.	
5.	M. Wooldridge, “Introductory Econometrics: A Modern Approach”, Jeffery 5th Edition 2013.	
Reference Books		
1.	Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum’s Series).	
2.	Damodar, N. (2009). Basic Econometrics Fifth Edition. McGraw-Hill.	
3.	Moody, C. (2009). Basic econometrics with STATA. Economics Department. College of William and Mary.	
4.	Johnson Jr, A. C., Johnson, M. B., & Buse, R. C. (1987). Econometrics: Basic and applied. New York.	
5.	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons.	
Web Resources		
1.	https://nptel.ac.in/courses/111104072	
2.	http://home.iitk.ac.in/~shalab/onlinecoursematerial	
3.	https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf	
4.	https://www.econometricssociety.org	
5.	https://economicsnetwork.ac.uk	

THIRD YEAR-SEMESTER – V

26UECC54 FISCAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC54	Fiscal Economics	Core	4	5	30	70	100
Course Outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Contrast public and private finance while explaining the core objectives, tools, and classical versus Keynesian theories of fiscal economics, including the Principle of Maximum Social Advantage.						K2
CO2	Analyze the structural growth, determinants, and economic effects of public expenditure by applying the core theoretical frameworks of Musgrave, Wagner, and Peacock-Wiseman.						K3
CO3	Examine the concepts of taxable capacity, incidence theories, and canons of taxation to distinguish the structural elements of direct taxes and India's Goods and Services Taxes.						K4
CO4	Evaluate the methods of public debt redemption and the strategic management of current state and central debt obligations in the Indian economic landscape.						K5
CO5	analyze modern Union and State budget frameworks, assessing the implications of deficit financing, fiscal deficits, and contemporary budget allocations						K5
CO6	Formulate policy insights on Indian fiscal federalism by assessing financial transfers, Finance Commission recommendations, Kelkar Committee tax reforms, and center-state financial autonomy conflicts.						K6
Module	Contents						Hours
I	Introduction to Fiscal Economics Fiscal economics: Meaning- Importance and scope of Fiscal economics – Fiscal tools – Objectives of Fiscal operations - Functions of the State - Comparison of Public and Private Finance – Basic Theories of Public Finance: Classical and Keynesian - Principle of Maximum Social Advantage and its limitations.						15
II	Public expenditures Public expenditure: Meaning- Types- Canons of Public expenditures. Growth – Causes and Effects of public expenditure. Theories of Public Expenditure: Musgrave – Wagner - Peacock Wiseman- Evaluation of Public Expenditure.						15
III	Public Revenues and Taxation Public revenue: Meaning-Types-sources of Public revenues-- Taxation-meaning-Canons of taxation – Features of a good tax system – Taxable Capacity- Theories of taxation: Theory of optimal taxation – modern theory of incidence- Types of taxes- Personal Income Tax –						15

	Corporate Income Tax – Professional Tax – Goods and Services Tax (GST) –IGST-CGST-SGST.	
IV	Public Debt management and Budget analysis Public debt: Meaning-Types-Sources of Public Debt- Causes and effects of Public debt-Redemption of Public debt and Current public debt management in State and Centre. Budget: Meaning- Types-Features of good budget- Fiscal deficit- – Deficit financing in India - Current Budget analysis.	15
V	Centre-State Financial relations Comprehend on central-state financial relations-Importance of Centre-State Financial relations – Role of finance commissions –Conflicts of Central and State financial relations- Recommendations of finance commissions on Centre and States- Financial Autonomy in India – Tax Reforms proposals of Kelkar Committee- Tax structure and Working of Fiscal federalism in India – Finance transfer from union to States.	15
	Total	75
Textbooks		
1.	Tyagi B. P. (2005). Breham Prakash, Public Finance, Jai Prakash Nath and Co., Meerut.	
2.	Bhatia, H.L. (2004). Public finance, Vikas Publications, New Delhi.	
3.	Andley and Sundaram. (2004). Public Finance, Ratan Prakashan, Agra	
4.	Musgrave R. A. (2003). Theory of Public Finance, McGraw Hill Book Company, New Delhi.	
Reference Books		
1.	Cauvery. R, Suthanayak. U.K. Girija. M. and Meenakshi, (2015), Public Finance, S. Chand & Company LTD, New Delhi.	
2.	R. C. Agarwal, (2007), Public Finance Theory and Practice, Lakshmi Naraiian Agarwal, Agra.	
3.	H. L. Bhatia., (2009), Public Finance, 26 th edition, Vikas Publishing House, Pvt. Ltd, New Delhi.	
4.	Musgrave R. A. & Musgrave P. B. (1998), Public Finance in Theory and Practice, 5 th edition, McGraw- Hill Book Company, New York.	
5.	Dr. S. K. Singh, (2010), Public Finance in Theory and Practice, S. Chand & Company LTD, New Delhi.	
Web Resources		
1.	http://www.applieconomics.com.au/publications/public-economics/index-pdf.htm	
2.	http://www.sau.int/ISA/Public%20Economics.pdf .	
3.	https://www.wallstreetmojo.com/public-finance/	
4.	https://www.investopedia.com/terms/t/taxes.asp .	
5.	https://www.indiabudget.gov.in/	

THIRD YEAR-SEMESTER – V

26UECE51 AGRICULTURAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CI A	External	Total
26UECE51	Agricultural Economics	Elective	3	5	30	70	100
Course Outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Explain the scope and significance of agriculture, its comparison with industry, and the role of agriculture in India's development along with inter-sectoral linkages.						K2
CO2	Analyse production function models, productivity trends, size–efficiency relations, and structural changes in Indian agriculture.						K4
CO3	Evaluate the types and problems of agricultural labour, causes and remedies of rural unemployment, and the effectiveness of minimum wage policies and poverty eradication programmes.						K5
CO4	Apply concepts of agricultural finance, farm capital, and marginal efficiency of capital to assess the roles of co-operatives, commercial banks, and NABARD in rural credit delivery.						K3
CO5	Evaluate agricultural price policy objectives and instruments, the impact of economic reforms and WTO agreements, and the relevance of agricultural taxation in India.						K5
CO6	Formulate evidence-based recommendations to address low agricultural productivity, rural unemployment, credit accessibility, and policy gaps.						K6
Module	Contents						Hours
I	Introduction Scope and Significance of Agriculture- Agriculture and Industry - A Comparison- Role of Agriculture in India's Development- Inter-Sectoral Linkage - An Overview.						15
II	Agricultural Production and Productivity Production Function Analysis - Relevance to Farm Production Economics- Productivity Trends; Low production and Productivity: Causes, Consequences and Measures. -Size - Efficiency relations in Indian agriculture - A.K. Sen's Hypothesis- Role of Technology in Agriculture - Structural Changes in Agriculture.						15
III	Agricultural Labour Agricultural Labour: Types – Supply of Labour – Problems-Rural Unemployment: Types, consequences and remedial measures - Minimum wages for agricultural workers - An evaluation - Poverty						15

	Eradication programmes–Recent Wage and Self-Employment Programmes.	
IV	Agricultural Finance and Capital Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance- Co-operatives in Rural Finance- Role of Commercial Banks and NABARD in Rural Finance- Farm Capital - Meaning, Types, and Marginal Efficiency of Farm Capital and Capital formation in agriculture.	15
V	Agricultural Policy Agricultural Price policy - Objectives, instruments and impact- Economic Reforms and Agricultural policy –WTO and Agriculture - Agricultural Taxation and its relevance.	15
	Total	75
Textbooks		
1.	Lekhi R.K. and Joginder Singh, (2015), Agricultural Economics: An Indian Perspective, Kalyani Publishers, Ludhiana.	
2.	Sadhu An, Singh Amarjit and Singh Jasbir, (2014), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi	
3.	Mridula Mishra, (2010), Agriculture and Food Economics, Serials Publication, New Delhi.	
4.	John B. Penson, Jr, Oral Capps, Jr, C. ParrRosson III, Richard. T. Woodward, “Introduction to Agricultural Economics”, Pearson Publications, 2017.	
5.	Dr. B.P. Tyagi, “Agricultural Economics & Rural Development”, Jai Prakashnath & Co., 2017.	
Reference Books		
1.	Janardhana Rao. N, (2005), Indian Agriculture: Issues and Perspectives, ICFAI University Press, Hyderabad.	
2.	Gray, L. C. (2013). Introduction to Agricultural Economics. Read Books Ltd.	
3.	Barkley, A., & Barkley, P. W. (2016). Principles of Agricultural Economics. Routledge.	
4.	Cramer, G. L., Jensen, C. W., & Southgate Jr, D. D. (2001). Agricultural Economics and Agribusiness (No. Ed. 8). John Wiley and Sons.	
5.	Colman, D., & Young, T. (1989). Principles of Agricultural Economics: Markets And Prices In Less Developed Countries. Cambridge University Press.	
Web Resources		
1.	https://icar.org.in/	
2.	https://www.icrisat.org/	
3.	https://www.nabard.org/	
4.	https://www.fao.org	
5.	https://farmer.gov.in/msspstatements.aspx	

THIRD YEAR-SEMESTER – V

26UECE51 INDUSTRIAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECE51	Industrial Economics	Elective	3	5	30	70	100
Course outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Understand the importance and structure of the Industrial market structure.						K2
CO2	Paraphrase the of industrial organization and Location aspects.						K4
CO3	Review and impact the relevance of Industrial Policies today.						K4
CO4	Describe the Industrial belts of the Indian industrial context.						K2
CO5	Examine the Industrial Trends and issues of Indian industries.						K3
CO6	Analyse the industrial policies in Indian and apply them for the industrial development.						K3, K5
Module	Contents						Hours
I	Basic Concepts, Theory of Firm and Pricing Concepts: Firm, Industrial Combination-Causes-conglomerate, cartel, pattern of- industrialization– Economies of scale – Market structure - Objectives of the firm – Growth of firms – Marginal cost pricing vs. full cost pricing -Depreciation – Administered prices.						15
II	Industrial Organization Industrial Organization-Structure and change- Relevance of industry studies for public policy- Monopoly and concentration: Concepts – Measures of monopoly – Control of monopoly- Industrial monopoly legislation- The Indian MRTP Act-1969.						15
III	Theories of Industrial Location Industrial location: Factors affecting industrial location - Measures of localization – Weber and Sargent Florence - Regional growth of industry in India- Need for balance regional development of Industries- Industrial policy on backward areas.						15
IV	Industrial Productivity and Finance Industrial Productivity-Measures –factors affecting productivity- and efficiency. - Financial statements: Ratio analysis and interpretation- Industrial finance-sources of finance- Industrial Development Bank of India – IFC-Objectives and functioning – Impact of these institutions.						15

V	Issues in Indian Industry Public sector: Rationale - organisation – Pricing policies – The question of efficiency- Performance of public sector in India– The concept of joint sector- Industrial problems: Industrial sickness, Evaluation of Industrial reform measures- Industrial policy since 1991-Foreign capital and role of MNC in India.	15
	Total	75
Textbooks		
1.	Barthwal R.R (2007) Industrial Economics ‘An Introductory Textbook, New Age International Publishers.	
2.	Dhingra I.C and Nitin Dhingra (2013) Industrial Economics Book Age Publications	
Reference Books		
1.	Divine, P.J. et al., (1978), An Introduction to Industrial Economics 3 edition George Allen and Unwin, London.	
2.	Hay, D.A. and D.J. Morris (1979), Industrial Economics: Theory and Evidence. Oxford University Press, New	
3.	Paul Belleflame et al.l “The theory of Industrial Organisation - Markets and Strategies”, Cambridge University Press, 2012	
Web Resources		
1.	https://www.india.gov.in/topics/industries	
2.	https://dpiit.gov.in	
3.	https://dri.nic.in	
4.	https://msme.gov.in	

THIRD YEAR-SEMESTER – V

26UVEH51 HUMAN RIGHTS AND SOCIAL ANALYSIS

SEMESTER:IV	VE	HOURS:2	CREDITS:2	TOTAL HOURS:30
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Course Outcomes:

Upon completion of the course, the students will be able to

- CO1:** Recall key concepts of rule of law, democracy, equality, human dignity, citizenship, social justice, secularism and human rights. (K1)
- CO2:** Explain the Preamble to the Constitution of India, Fundamental Rights, Directive Principles, civil and political rights, socio-economic and cultural rights and collective rights. (K2)
- CO3:** Apply constitutional principles and human rights concepts to contemporary social issues. (K3)
- CO4:** Analyze interrelationships among inequalities, social structures, social problems, and reform initiatives in India. (K4)
- CO5:** Evaluate the effectiveness of constitutional provisions in promoting equality and social justice. (K5)
- CO6:** Design strategies fostering equality, communal harmony, responsible democratic citizenship and civic participation. (K6)

Unit I: Understanding basic concepts (6 Hours)

Understanding of key concepts, their meaning and significance in today's context – Rule of law, democracy, equality, human dignity, citizenship, social justice, secularism, human rights, fundamental rights and constitutional values.

Unit II: Classification of Human Rights (6 Hours)

Civil and Political rights, socio-economic and cultural rights collective rights or group rights – Preamble to the Constitution of India, Fundamental Rights - Equality rights, personal freedom and right to life, rights against arbitrary arrest and illegal detention, Rights against exploitation, Religion Freedom, Minority rights and Fundamental Duties (Art. 51A)

Unit III: Indian Social System (6 Hours)

Social Analysis - Social system and its components, Inequalities, caste structures and manifestation, Patriarchy and violence against women, Gender and sexual Minorities– A land of cultural linguistic and religious diversity –secular ethos – religious fundamentalism-Indian politics -Interdependence of human being and society

Unit IV: Social Problems**(6 Hours)**

Indian Economic inequality and Poverty - Caste Discrimination: Untouchability, honour killing - Reservation policy, and Dalit empowerment - illiteracy and its effects- child labour, child abuse, bonded labour and their effects

Unit V: Social Reformers**(6 Hours)**

Promoting social justice and equality, women's rights, and eradication of caste discrimination - Dr. B. R. Ambedkar, Mahatma Gandhi, Dr. Muthulakshmi Reddy, Savitribai Phule, Fathima Sheik, Pandita Ramabai and E. V. Ramasamy - Focusing on service to the marginalized, healthcare, education, and human values

Reference Books:

1. P.N. Sharma, "Social problems and issues in India", Bharat Book Centre, 2014, New India
2. The Reality Reloaded, Gurjot S. Kaler, Chandigarh, India, 2018
3. Course Material Prepared by the Department of Human Excellence
4. Activity-based learning will be conducted in collaboration with the Democracy Forum and Electoral Literacy Club to promote democratic values, constitutional awareness, and responsible citizenship.

THIRD YEAR-SEMESTER – VI

26UECC61 DEVELOPMENT ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC61	Development Economics	Core	4	6	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Define and understand the concepts of growth and development.						K1
CO2	Describe the importance and approaches of economic development of a country.						K2
CO3	Summarize the various growth theories and their strategies for proper economic development.						K3
CO4	Analyze the and select the proper economic model for development and growth of a country						K4,
CO5	Evaluate and modify the required development models for economic development and growth						K4
CO6	Examine and evaluate the growth strategies in Indian developmental context.						K4, K5
Module	Contents						Hours
I	Development and Growth: Concepts and Approaches Conceptualising Growth: Meaning - Different approaches; Conceptualizing Development: Meaning - Different approaches; Differences between Growth and Development. Conceptualizing Under Development: Meaning - Characteristics of Underdevelopment- Obstacles to Economic Development. - Role of Capital formation in Economic Growth.						18
II	Classical Theories Of Development Theory of Adam Smith: Concepts – Assumptions – Main Features; Theory of Ricardo: Concept – Assumptions – Main Features; Theory of Malthus: Concept – Assumptions – Main Features-Applications.						18
III	Theories of Growth and Growth Strategies Big Push – Balance Growth Approach of Ragnar Nurkse – A.O. Hirshman’s Unbalanced Growth Approach – W.W. Rostow’s Growth Theory - Arther Lewis’ Growth Model-Applications.						18
IV	Growth Strategies of India Gandhian Growth Strategy – Nehru’s Growth Strategy – Mahalanobis’ Two Sectors Model – Indira-Rajiv Growth and N.Rao-Manmohan Growth Strategy- N. Modi Strategy in Development and Growth.						18

	Recent Trends in Growth.	
V	Indian Growth Experiences Need and Objectives of Five Year Plans; Objectives and Achievements of First Five Year Plan, Second Five Year Plan, Plan Holidays. Objectives and Achievements of 12 th Five Year Plan. NITI AAYOG: Constitution, Functions, Role and Goals. Growth Experiences during the Decade of Transformative Growth (since 2014-15-To Till)	18
	Total	90
Textbooks		
1.	A.P. Thirlwall, (2011): Economics of Development Theory and Evidence, Palgrave Macmillan, London.	
2.	Misra S.K and Puri V.K. (2015): Economics of Development and Planning, Himalaya Publishing House, New Delhi.	
3.	Uma Kapila, (2017): Indian Economy since Independence, Academic Foundation, New Delhi.	
4.	Uma Kapila, (2014): Indian Economy Performance and Policy, Academic Foundation, New Delhi.	
Reference Books		
1.	Debraj Ray (2009): Development Economics, New Delhi, Oxford University Press.	
2.	Yujiro Hayami (2003): Development Economics: New Delhi Oxford University Press.	
3.	Michael P. Todaro and Stephen C. Smith (2004): Economic Development, Pearson Education, Singapore.	
4.	Jomo K.S. and Ben Fifth (Eds); (2005): "The New Development Economics London Zes Books and New Delhi, Tulika Books.	
Web Resources		
1.	http://niti.gov.in/content/overview-sustainable-development-goals	
2.	http://niti.gov.in/content/niti-aayogs-	
3.	https://en.wikipedia.org/wiki/Five-Year_Plans_of_India	
4.	http://niti.gov.in/content/niti-aayogs-	
5.	https://www.imf.org .	

THIRD YEAR-SEMESTER – VI

26UECC62 INDIAN ECONOMY

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECC63	Indian Economy	Core	4	6	30	70	100
Course Outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Remember and understand the status of Indian economic development since its independence.						K2, K3
CO2	Examine and analyse the demographic features.						K3
CO3	Describe and evaluate the poverty alleviation issues and programmes						K4, K5
CO4	Understand and recite the agricultural sectors.						K1, K2
CO5	Understand and evaluate the importance and various sectors in India						K2, K4
CO6	Propose solutions to contemporary economic issues and challenges facing India.						K4
Module	Contents						Hours
I	Economic development since Independence State-Dominated Development model – Nationalisation of industries and financial Institutions – Import Substitution and Protection – Planning In India overall achievements and failures only – Growth of the economy between 1950 and 1990 – New Economic Policy Reforms since 1991 (LPG) – Sectoral Composition of National Income.						18
II	Demographic features of India Growth trend – Population Density – Distribution of Population (Age and sex composition only); Population dividend – Life Expectancy – Birth Rate – Death Rate; Family Planning: Meaning – need for family planning – impact of family planning programmes – Non-family Planning Measures of the Indian Govt.						18
III	Unemployment and poverty in India Unemployment: Meaning – Trends-Problems of Unemployment – Govt. Measures to combat unemployment; Poverty: Meaning – Types – Poverty Line – Causes of Poverty-Problems of Poverty – Measures to combat poverty- MGNREGP						18
IV	Social sector, Industrial sector and Service sector Social Sector- Meaning- Concepts- Importance and Social Infrastructure – Development of Education and Family in India; Industrial Sector: Meaning- Concepts- Importance of Industrial sector in Economic development; Service sector: Meaning- Importance of the service sector in economic development						18

V	External Sector and Contemporary Economic Issues India's Foreign Trade: Trends and Composition- Balance of Payments- Foreign Direct Investment (FDI) Globalisation and Liberalisation Inflation and Employment Challenges Digital Transformation, Climate Change, and Sustainable Development Goals (SDGs)	18
	Total	90
Textbooks		
1.	Puri. V.K & S.K. Misra (2022): Indian Economy, Himalaya Publishing House.	
2.	Gaurave Datt and Ashwani Mahajan (2017): Dutt & Sundaram Indian Economy, S. Chand & Company Ltd., New Delhi.	
3.	Uma Kapila (Ed.) (2018): Indian Economy Since Independence	
Reference Books		
1.	Kaushik Basu (Ed.) (2012): Oxford Companion to Indian Economy, 3 rd Edition, OUP, New Delhi	
2.	Ahluwalia, I.J. and I.M.D. Little (1998): India's Economic Reforms and Development, OUP, New Delhi.	
3.	Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi.	
4.	Dr. V.C Sinha (2021): Indian Economy Performance and Policies, SBPD Publications.	
5.	Ashima Goyal (Ed.) (2014): The Oxford Handbook of the Indian Economy in the 21 st Century: Understanding the Inherent Dynamism, OUP, New Delhi.	
6.	Govt. of India, Economic Survey, (Annual Issues), Ministry of Finance, New Delhi.	
Web Resources		
1.	http://www.niti.gov.in/	
2.	https://www.rbi.org.in/	
3.	https://hdr.undp.org/	
4.	https://www.india.gov.in/	
5.	https://www.cmie.com/	

THIRD YEAR-SEMESTER – VI

26UECC63 PROJECT

Course Code	Course Name	Category	Credits	Total Marks
26UECC63	Course Name	Core	4	100

THIRD YEAR-SEMESTER – VI

26UECE61 EVOLUTION OF ECONOMIC IDEAS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	Externa l	Total
26UECE61	Evolution of Economic Ideas	Elective	3	5	30	70	100
Course Outcomes							
Cos	On the Completion of the Course Learners will be able to						KL
CO1	Describe the nature, importance and development of Pre-Classical economic ideas.						K2
CO2	Interpret and apply the major principles of Classical economists in understanding economic issues.						K2, K3
CO3	Analyze the contributions of Neo-Classical economists and examine the evolution of Institutional Economics						K4
CO4	Compare and contrast the economic ideas of ancient and early Indian thinkers on economic philosophy.						K4
CO5	Evaluate the relevance of modern Indian economic thinkers in the context of India's development.						K4, K5
CO6	Critically assess the evolution of economic thought from Pre-Classical to Contemporary period and relate historical theories economic policies.						K5
Module	Contents						Hours
I	Introduction to Pre-Classical Ideas Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important Mercantilists- Physiocracy - Main concepts - Important Physiocrats.						15
II	Classical Economists and Karl Marx Adam Smith- Division of Labour - Theory of Value- Laissez Faire- Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage Theory of Trade- Malthus-Theory of Population –Theory of Gluts –Karl Marx-Theory of Surplus Value -Breakdown of the Capitalist System						15
III	Neo-Classical and Institutionalists' Ideas The Marginalist Revolution- Marshall: Value and Role of Time – Marginal Utility and Consumer's Surplus – Distribution – Marshallian Concepts – Economies of Scale, Quasi-Rent- Institutional Economics – Veblen – Mitchell –J.R. Commons.						15

IV	Ideas of Indian Economic Thinkers –I Ancient & Early Thinkers: Kautilya (Arthashastra) - focus on state role, wealth creation, taxation, and welfare. Dadabhai Naoroji: Drain of Wealth theory, poverty estimation. M.G. Ranade & R.C. Dutt: Critique of British colonial policy and economic nationalism. Gandhian Economics: Khadi and Village industries, Trusteeship doctrine, self-reliance, and sustainable, rural-based development.	15
V	Ideas of Modern & Post-Independence Economic Thinkers-II J.L. Nehru: Planned economic development, heavy industrialization. Dr. B.R. Ambedkar: Economic thoughts on caste, labor, and monetary economics. Mahalanobis Model: Development strategies focused on industrialization. Contemporary Thinkers: Amartya Sen (Capabilities approach, social welfare and poverty)	15
	Total	75
Textbooks		
1.	Lokanathan, V, History of Economic Thought, S Chand & Co Ltd.	
2.	Bhatia, H.L. (2018), History of Economic Thought, S Chand & Co Ltd.	
3.	Srivastava S.K (2002) History of Economic Thought, S.Chand Publication.	
4.	M.L Jhingan M.Girija , L.Sasikala “History of Economic Thought” 3rd Edition, Virnda Publication 2014.	
5.	R.R. Paul “History of Economic Thought”, Kalyani Publishers, 2018.	
Reference Books		
1.	Amartya Sen (1982), Welfare and Measurement, Oxford University Press, New Delhi.	
2.	Gandhi, M.K. (1938), Economics of Village Industries, Navjivan Publishers, New Delhi.	
3.	T.N. Hajela, (2015), History of Economic Thought and Learners Edition 18 th Edition.	
4.	Gide and Rist, (2014), A History of Economic Doctrines, Nabu Press.	
	V. Lokanathan (2009) “A History of Economic Thought: S. Chand & Co Limited.	
Web Resources		
1.	https://www.hetwebsite.net/het/	
2.	https://thoughteconomics.com/	
3.	https://www.nobelprize/economic-sciences/	
4.	https://www.aeaweb.org/resources/Learners	
5.	https://sites.google.com/site/maeconomicsku/home	

THIRD YEAR-SEMESTER – VI

26UECE61 ENVIRONMENTAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECE61	Environmental Economics	Elective	3	5	30	70	100
Course Outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Understand the core concepts of environmental economics and describe its meaning, importance and scope.						K1
CO2	Describe the structure and functions of ecosystems, environmental services, and the idea of sustainable development.						K2
CO3	Explain major theories and policy tools of environmental economics, including externalities, Coase theorem, carbon tax, Pigouvian tax, subsidies, and tradable pollution permits.						K3
CO4	Analyze major environmental problems such as air pollution, water pollution, acid rain, soil degradation, urbanisation effects, and biodiversity loss.						K4
CO5	Evaluate the causes and effects of global warming, greenhouse effect, ozone depletion, and climate change, including India's contribution and response.						K5
CO6	Examine environmental policies, international conferences, WTO-related environmental issues, and central and state environmental policies.						K4, K5
Module	Contents						Hours
I	Introduction to Environmental Economics Environmental Economics: Meaning –Definition- Scope and understanding; Ecology – Ecosystem - Organization and structure of the ecosystem – service of the environment - Material balanced model- environmental utilization space – Relationship between environment and the economy – Concept of Sustainable Development and environment.						15
II	Theories of Environmental Economics Environmental externalities- Coase theorem – concept of carbon tax – Pigouvian taxes and subsidies - marketable pollution permits and mixed instrument (the charges and standard approach) tradable pollution permits-WTO Regime and environment.						15
III	Environmental Problems and Conservation of Resources Environmental pollution –Air pollution- Acid rain - Water pollution – Forest and environmental quality – Soil degradation - Urbanization and its impact on environmental quality - Conservation of resources and Bio diversity – Adverse effects on resources – Conservation awareness- Method of conservation — Product life extension – Recycling – Optimum recycling – Waste reduction.						15

IV	Global warming and Green House effect Meaning Of Global Warming – Green House Effect and its sources- Contribution of global warming – Response to greenhouse effect – Ozone depletion in the stratosphere – Effects of ozone depletion – Results from global warming- Climate change – Contribution of India towards global warming.	15
V	International Environmental Policy Environmental Policy Meaning- importance- Stockholm conference – Doha conference - International Agreements, policies, Conferences and Acceptances – Central’s and State’s Environmental policies.	15
	Total	75
Textbooks		
1.	Karpagam. M, (2017), Environmental Economics–Third Edition, Sterling Publication Pvt. Ltd, Noida.	
2.	Nick Hanley, Jason Shogren and Ben White, (2013), Introduction to Environmental Economics, Second Edition, Oxford University Press, Oxford.	
3.	Eugene. T Environmental Economics, Oxford University Press, New Delhi. (2014),	
4.	Hanley N, Shogren JF, White B “Environmental Economics in Theory and Practice”, 2nd Edition. Palgrave Macmillan, 2007	
5.	Kolstad, Charles D, (2000), Environmental Economics, New York: Oxford University Press,	
Reference Books		
1.	Maureen L. Cropper and Wallace E. Oates, “Environmental Economics: A Survey”, Journal of Economic Literature, Volume 30, 1992,	
2.	Barry C. Field, (1994) Environmental Economics: An Introduction, Singapore, McGraw-Hill,	
3.	Hussen, Ahmed.M. (1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London: Routledge.	
4.	Dr. S. Sankaran (2012) Environmental Economics Margham Publications.	
5.	Mark Maslin (2014) “Climate Change: A Very Short Introduction 3 rd Edition Oxford University Press.	
Web Resources		
1.	https://unfccc.int/	
2.	https://www.undp.org/	
3.	http://moef.nic.in/	
4.	https://www.envis.nic.in	
5	https://www.unep.org	

THIRD YEAR-SEMESTER – VI

26UECE62 LABOUR ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CI A	External	Total
26UECE62	Labour Economics	Elective	3	5	30	70	100
Course Outcomes							
Cos	On completion of this course, Learners will be to						KL
CO1	Explain the foundational concepts, characteristics, and scope of labour economics, including the dynamics of the labour market and causes of labour migration.						K2
CO2	Analyze the mechanisms of wage determination, the role of collective bargaining, and the socio-economic factors driving gender wage discrimination and productivity differentials.						K4
CO3	Examine the root causes, widespread effects, and legal framework surrounding industrial disputes in India, including mechanisms for dispute settlement under the Industrial Disputes Act, 1947.						K4
CO4	Identify the unique socio-economic challenges faced by unorganized labour sectors, specifically focusing on agricultural workers, women, and child labour within the Indian context.						K3
CO5	Apply relevant Indian labour legislations (such as the Minimum Wages Act 1948, Child Labour Act, and various Social Security Acts) to evaluate legal protections available to diverse worker groups.						K4, K5
CO6	Evaluate the scope, structural implementation, and overall effectiveness of social security measures and employment guarantee schemes in India, particularly in the post-globalization era.						K4, K5
Module	Contents						Hours
I	Introduction to Labour and their problems Labour: Meaning-Nature -Scope and Importance of Labour: Labour Economics : Meaning and concepts- Characteristics Labour –Nature of Labour Problem; Labour Market- Demand and Supply of Labourer-Migration: Meaning- causes for Migration of Labourer.						15
II	Wage Determination and Labour productivity Wage determination –Collective Bargaining and Wage differentials– Gender Wage discriminations and Wage Regulations- Minimum Wages Act -1948. Labour productivity and its Importance- Determinants of labour productivity.						15
III	Industrial Labour Movement Industrial Labour: Meaning- Social and economic characteristics of Industrial Labour in India ; Trade Union: Meaning-Objectives-Importance of Trade union; Industrial relations -Industrial Disputes: Meaning -Causes and effects of industrial Disputes in India - Industrial						15

	Dispute Act-1947- Objectives and Scope only - Measures to prevent and settle the Disputes in India.	
IV	Agricultural, Women and Child Labour Agricultural labour: Meaning - Characteristics –problems of Agricultural labour- Status of Women Workers- Problems of women workers and Measures. Child labour – Causes of Child labour -Child Labour (Prohibition & Regulation) Act-1981(Nature and Scope only) - Child Labour (Prohibition & Regulation) Amendment Act 2016.	15
V	Social Security Measures in India Social Security: Meaning - Importance-Social security measures in India : Maternity Benefit Act - 1961, - The Provident Fund Act - 1952 (Objectives and Scope); Labour Acts in India: The Equal Remuneration Act- 1976- The Unorganized Workers’ Social Security Act- 2008-, National Rural Employment Guarantee Act -2005- Effectiveness of social security measures in the context of globalization in India.	15
	Total	75
Textbooks		
1.	Dr. B.P. Thyagi, (2014), Labour Economics and social welfare. Jai Prakash Nath & Co., Meerut.	
2.	Gupta P.K. (2012), Labour Economics, New Delhi Virnda Publication (p) Ltd.	
Reference Books		
1.	Bhagoliwal T.N. (2002), Economics of Labour and Industrial Relations, Sahitya Bhavan Agra.	
2.	C.R. McConnell and S.L.Brue (1986), Contemporary Labour Economics, McGraw Hill Publications, New Delhi.	
3.	Datt, G. (1996), Bargaining Power Wages and Employment: An Analysis of Agricultural Labour Markets in India, Sage Publications, New Delhi.	
4.	Hajela P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.	
5.	Lester, R.A. (1964), Economics of Labour (2nd Ed.), Macmillan, New York.	
Web Resources		
1.	http://oer.funai.edu.ng/wp-content/uploads	
2.	https://economics.mit.edu/files/4689	
3.	https://labour.gov.in/labour-law-reforms	
4.	http://niti.gov.in/content/ministry of labour welfare-	
5.	https://www.imf.org .	

THIRD YEAR-SEMESTER – VI

26UECE62 BEHAVIORAL ECONOMICS

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECE62	Behavioral Economics	Elective	3	5	30	70	100
Course outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Acquire and understand the flexibility and limitations of the economic approach to modelling behaviour and demonstrate knowledge of the evolution and methods used in behavioural economics						K1, K3
CO2	Identify ways in which individuals are systematically irrational						K2
CO3	Examine new economic phenomena and analyse how deviations in rationality impact economic decisions.						K3, K4
CO4	Apply prospect Theory to understand how people make decisions when presented with alternatives that involve risk, probability and uncertainty.						K3, K4
CO5	Apply and analyse in policy the different aspects of the concept of mental accounting.						K4, K5
CO6	Analyze the Behavioural Economic Models Suitable to developing economies.						K5
Module	Contents						Hours
I	Introduction History and Evolution of Behavioral Economics - Neoclassical Concept and Criteria for Economic Rationality - Causes of irrationality –Bounded Rationality Methods used in Behavioral Economics.						15
II	Foundation to Behavioral Economics Values, preferences and choice- believe- heuristic and biases- state-dependent preferences (such as habit formation and addiction) - misprediction and projection bias-anticipation and information avoidance- Self Evaluation Biases and Projection Bias.						15
III	Economic choices and decisions Choice Under Risk and Uncertainty- Expected Utility- Confidence – its feedback mechanism that amplifies disturbances - Fairness – Its influence in setting wages and prices - Corruption and Antisocial behaviour - Money Illusion.						15
IV	Prospect theory Conventional approaches to modifying Expected Utility theory - Prospect theory and Endowment effect - Reference points and Loss Aversion - Shape of the utility function - Decision weighting.						15

V	Mental accounting process Nature and Components of mental accounting - Framing and editing - Budgeting and Fungibility - Choice Bracketing and Dynamics.	15
	Total	75
Textbooks		
1.	Phillip Corr and Anke Plagnol, Behavioural Economics: The Basics 1 st Edition, Kindle Edition, Routledge, 2018	
2.	Dan Ariely Predictably Irrational: The Hidden Forces That Shape Our Decisions, Harper Collins, 2009.	
3.	David Correll, Behavioural Economics: Psychology, Neuroscience, and The Human Side of Economics (Hot Science) Icon Books Ltd, 2021	
4.	SanjitDhami., The Foundations of Behavioral Economic Analysis, Oxford University Press,2016	
5.	Brandon Lehr, “Behavioural Economics Evidence, Theory, and Welfare”, Talyor & Francis, 2021	
Reference Books		
1.	Nick Wilkinson and Matthias Klaes (2012) An Introduction to Behavioural Economics 2 nd Edition, Palgrave Macmillan, London	
2.	David R. Just (2014) Introduction to Behavioural Economics, Wiley Publication, New Jersey	
3.	Colin F. Camerer, George Loewenstein and Matthew Rabin (2003) Advances in Behavioural	
4.	Frank Robert H (2015) Microeconomics and Behaviour, McGraw Hill Education, New York, 2015	
5.	Thaler, Richard H (2016) The Making of Behavioural Economics - Misbehaving, WW Norton & Co, Penguin, London	
Web Resources		
1.	www.behavioraleconomics.com/BEGuide2017.pdf	
2.	www.academic.oup.com/restud/pages/behavioral_economics	
3.	https://www.exploring-economics.org/en/orientation/behavioral-economics	
4.	https://www.povertyactionlab.org	

THIRD YEAR-SEMESTER – VI

26UECS61 TNPSC FOUNDATION- READINESS FOR COMPETITIVE EXAMINATION

Course Code	Course Name	Category	Credits	Hours	Marks		
					CIA	External	Total
26UECS61	TNPSC Foundation- Readiness for Competitive Examination	SEC7	2	2	30	70	100
Course Outcomes							
COs	On completion of this course, Learners will be to						KL
CO1	Recall and remember the broad knowledge of the different components in history.						K1
CO2	Learn and Develop broad knowledge of the different components in polity.						K3
CO3	Understand and describe the Geographical features across Countries and in India.						K2
CO4	Apply the general knowledge and appear to the competitive examination.						K3
CO5	Explain and discuss about the ecology and its importance and to evaluate recent competitive examination.						K5
CO6	Compile and build overall knowledge on appearing the competitive examination.						K5
Module	Contents						Hours
I	Indian History Modern India -Formation of Indian National Congress - Morley Minto Reforms, Revolutionary activities - World War I and India's Response - Home Rule league - Montague Chelmsford reforms - Rowlett Act - Non-Cooperation Movement - Simon Commission and Nehru Report - Civil Disobedience Movement and Round Table Conferences-Quit India Movement and Demand for Pakistan - Cabinet Mission - formation of Constituent assembly and Partition of India.						6
II	Indian Polity Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of Courses between the Union and the States Local Governance, Elections in India and Election Commission.						6

III	Indian Geography Major oceans of the world - Important Canals – Gulfs – Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere, wind systems, cloud systems, world climatic classification -Indian climate - Indian Monsoon - India's Physical Features, Indian Soil -Types and Distribution - Important Trade Routes and Projects, Indian Natural Vegetation - Indian agriculture- Major Crops and its distribution, Indian Industries and its Distribution.	6
IV	Ecology Basic concepts- Ecology, Biodiversity - Food Chain And Food Web - Bio-Geo Chemical Cycles -International Biodiversity Organisations - International Conventions - Conferences and Protocols - Indian Environmental Laws.	6
V	General Knowledge on Current Affairs Every day News of State Central and World - State and Centre Relations- Administration- Recent Laws - Legislations- Current affairs- Economic issues of State Central and World forum- World Governance.	6
	Total	30
Reference Books		
1.	Ramesh Singh (2022), Indian Economy, McGraw Hill.	
2.	Laxmikanth.M (2019), Indian Polity, McGraw-Hill.	
3.	Leong,G.C Physical and Human Geography, Oxford University Press.	
4.	Majid Hussain, India Map Entries in Geography, GK Publications Pvt. Ltd.	
5.	Majid Hussain - Environment and Ecology, GK Publications Pvt. Ltd.	
6.	Rajiv Ahir, A Brief History of Modern India- Spectrum Books Pvt Ltd.	
7.	The Hindu New paper Daily GK Current issues. Published Daily.	
Web Resources		
1.	https://www.india.gov.in/topics/governance-administration	
2.	http://moef.gov.in/	
3.	www.generalknowledgenews.com	
4.	https://darpg.gov.in/en	

ADD ON COURSE (Compulsory for I UG Students)

26UECA01 TECHNICAL WRITING FOR ECONOMICS

Course Code	Course Name	Hours	Credits	Marks	
				External	Total
26UECA01	Technical Writing for Economics	30	2	100	100
Course Outcomes					
COs	On the completion of the course, the Learners will be able to				KL
CO1	Recall the grammatical forms and usefulness of English language and develop the language skills in professional contexts.				K1, K2
CO2	Enhance the basic grammatical skill and communicative competence.				K2
CO3	Focus on developing the knowledge of domain specific registers and the required language skills.				K3
CO4	Modify critical thinking skills and make culturally aware of the target situation.				K4
CO5	To apply the economic terms in a grammatical way and make use the proper and meaningful writing in English.				K4
CO6	To know how to write the economics contents and essays, in simple English language.				K4
Module	Contents				Hours
I	Communication in English English: As a Language; it’s Importance- Parts of Speech: Nouns- Verbs- Adverbs- Used in Economics- Tenses; Types- Present Tense-Past Tense- Future Tense- Terms and Terminologies used in Economics.				6
II	Description in English Formation of Sentences- Forms: Simple-Compound-Complex- Types; Declarative- Integrative-Exclamatory- Imperative- Direct speech- Indirect speech- Terms and Terminologies used in Economics.				6
III	Listening and Reading Listening: Listening to interviews and Lectures of Economists and specialists in field of Economics; Reading: The Financial Times- Economic Times- Business Line- Business Columns in Hindu- Macro Scan – Policonomics.				6
IV	Presentation Writing: Writing Recommendations Interpreting Visuals inputs Vocabulary in Economics: Differences between English terms and Economic Terms- Writing Practices in Economics- Using Vocabulary in Economics.				6
V	Communication and Group Discussion Group discussion: Economic theories – Economic policies- Contemporary Economic issues- Social issues -Political issues related to Economics.				6
Textbooks and Reference Books					
1.	Rao N, DV, Prasada (Author), N.D.V. Prasada Rao (Editor)Wren & Martin High School English Grammar and Composition Book (Regular Edition) Paperback – 1 January 2021.				

2.	Nigar Hashimzade(Author), Gareth Myles (Author), John Black (Author)A Dictionary of Economics (Oxford Quick Reference) Paperback – 12 January 2017
Web Resources	
1.	https://www.thehindubusinessline.com/
2.	https://www.macrosan.org/
3.	https://policonomics.com/
4.	https://scroll.in/
5.	https://www.thenewsminute.com/

VALUE ADDED COURSE (Compulsory for II UG Students)

26U UECVA1 DATA ANALYSIS USING IN MS EXCEL AND PSPP

(OR)

26UECVA1 FUNDAMENTAL OF ACCOUNTS FOR ECONOMICS- TALLY/5.0/7.0

(Outsource Only)

(Course Only)

Course Code	Course Name	Hours	Credits	Marks	
				External	Total
26U UECVA1	Data Analysis Using in MS Excel and PSPP	30	2	100	100
Course outcomes					
COs	On the completion of the course, the Learners will be able to				KL
CO1	recite and explain the operating system and other operation of a computer				K1
CO2	experiment the operating process of a Personal computer				K3
CO3	formulate the contents in MS Word, MS Excel and SPSS				K3, K4
CO4	generate new formulas data file by using regression in SPSS				K4
CO5	Formulate ideas in applying basic calculation used in Economic research analysis in SPSS				K4, K5
CO6	Apply the fitting lines by using the statistical and economic analysis.				K4
Module	Contents				Hours
I	Basic Components of Computer Basic components of computer – CPU, input-output devices, keyboard, mouse and scanner, video display, printers and plotters, data storage and retrieved, hard disk, and CD ROM– concepts of data record and file – types of data and structure, data analysis – file handling and operations.				6
II	Basics of Windows Starting windows – my computer – windows explorer – Internet Explorer – Program manager — File manager – control panel – print manager – control buttons				6
III	Diagrammatic Representation In Excel and SPSS Application of Diagrammatic Representation (Excel & PSPP) Application of Descriptive statistics in Economics (Excel & PSPP)				6
IV	Correlation And Regression Application of simple, partial and multiple Correlation and Regression - Application of Index Numbers in Economics (Excel & PSPP)				6
V	Trend Fitting In Economics Application of Trend Fitting in Economics (Excel & (Excel & PSPP)				6
Textbooks					
1	Norusis, Marija J., (1993), (Excel & PSPP) for Windows, PSPP Inc., Chicago. Andy Feld, 2005, Discovering Statistics Using SPSS, Ed. 2, T.R. Publication, New Delhi.				

2	Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
Reference Books	
1	Microsoft office 2007 Training Manual: http://www.ezref.com/
2	Sinha, P.K. (1992), Computer Fundamentals, BPB Publications, New Delhi.
3	Muny, R. Spegel (1972), Schaum's Series, Theory and Problems of Statistics, McGraw Hill, New York.
4	McClave, James T and P.George Benson, (1990), Statistics for Business and Economics, Collier Macmillan Publishers, London.
Web Resources	
1.	www.spss.com www.ats.ucla.edu www.utexas.edu www.indiana.edu
2.	www.hmdc.harvard.edu/projects/ PSPP_Tutorial/spsstut.shtml

26UECVA1 FUNDAMENTAL OF ACCOUNTS FOR ECONOMICS- TALLY 5.0/7.0
(Outsource Only)

Course Code	Course Name	Hours	Credits	Marks	
				External	Total
26UECVA1	Fundamentals of Accounts for Economics – Tally 5.0/7.0	30	2	100	100
Course Outcomes					
COs	On completion of this course, students will be to				KL
CO1	Understand the fundamentals of accounting and the classification of accounts.				K2
CO2	learn the process of recording and summarizing business transactions				K2
CO3	become familiar with the Tally environment and basic company setup				K3
CO4	acquire practical skills in recording transactions and viewing reports in Tally.				K3
CO5	Apply daily accounts in tally and execute it and ensure the employment opportunities				K4
CO6	prepare basic final accounts and apply accounting concepts using Tally software				K4
Module	Contents				Hours
I	Introduction to Accounting Meaning and objectives of accounting-Accounting principles and concepts-Types of accounts-Rules of debit and credit-Accounting equation (Assets = Liabilities + Capital)				6
II	Journal and Ledger Journal entries- Ledger posting- Cash book- Subsidiary books- Trial balance.				6
III	Introduction to Tally Introduction to Tally software-Features of Tally 5.0 / 7.0-Creating and selecting a company-Company information and configuration-Creation of groups and ledgers.				6
IV	Voucher Entry and Reports in Tally Accounting vouchers-Payment, receipt, contra, sales, and purchase vouchers-Journal voucher entry-Viewing day book and ledger reports-Generating trial balance and financial reports				6
V	Final Accounts and Practical Applications Preparation of Trading Account-Profit & Loss Account-Balance Sheet Basic inventory management in Tally-Simple practical case study using Tally.				6
Textbooks					
1.	Tally Education materials (Tally 5.0/7.0).				
Reference Books					
1.	S.P. Jain & K.L. Narang – Financial Accounting.				
2.	R.L. Gupta & V.K. Gupta – Principles and Practice of Accounting.				

3.	ICAI Study Material (Basic Accounting Concepts).
Web Resources	
1.	Tally Solutions Official Website
2.	SWAYAM
3.	NPTEL
4.	www.YouTube Tally.7.0/

Extra Credit Courses (OPEN TO ALL)

26UECEC11 BUSINESS ECONOMICS

Course Code	Course Name	Category	Credits	Marks	
				External	Total
26UECEC11	Business Economics	ECC-1	2	100	100
Course Outcomes					
COs	On completion of this course, Learners will be to				KL
CO1	Explain the positive and negative approaches in economic analysis				K2
CO2	Understand the factors of demand forecasting				K1
CO3	Know the assumptions and significance of indifference curve				K1
CO4	Outline the internal and external economies of scale				K3
CO5	Relate and apply the various methods of pricing policy				K4, K5
CO6	Analyse and apply the market strategy into business perspective				K5, K6
Module	Contents				Hours
I	Introduction to Economics Introduction to Economics – Wealth, Welfare and Scarcity Views on Economics – Positive and Normative Economics – Business Economics- Definition – Nature - Scope and Importance of Business Economics - Accounting Profit and Economic Profit –Concept of Efficiency- Business Cycles: Features-Phases of Business cycle. Inflation and Deflation- Causes and effects.				
II	Demand & Supply Functions Meaning of Demand - Demand Analysis: Meaning; Determinants of Demand Law of Demand and its Exceptions. Elasticity of Demand: Definition, Types, Measurement. Demand Forecasting – Meaning, Factors Governing Demand Forecasting - Methods of Demand Forecasting. Supply Analysis: Meaning: determinants of supply, Law of Supply.				
III	Consumer Behaviour Consumer Behaviour – Meaning, Concepts and Features – Law of Diminishing Marginal Utility - Indifference Curve: Meaning -Properties – Consumer's Equilibrium. Price- Income- Substitution Effects. Good-Meaning-Types of Goods: Normal, Inferior and Giffen Goods.				
IV	Theory of Production Concept of Production - Production Functions: Law of Variable Proportion – Laws of Returns to Scale - Difference between Laws of variable proportion and returns to scale – Economies of Scale – Internal and External Economies – Internal and External Diseconomies - Producer's equilibrium.				
V	Market Structure Price and Output Determination under Perfect Competition, Pricing Policy-Meaning-Objectives of Pricing Policy, its importance, Pricing Methods - Price Determination under Monopoly, kinds of Monopoly, Price Discrimination, Determination of Price in Monopoly –Monopolistic Competition – Price Discrimination– Meaning – Features.				

Textbooks	
1.	D.M. Mithani, Business Economics, Himalaya Publishing House, Mumbai.
2.	H.L. Ahuja, Business Economics–Micro & Macro - Sultan Chand & Sons, New Delhi.
3.	C.M. Chaudhary, Business Economics-RBSA Publishers - Jaipur-03.
4.	Aryamala.T, Business Economics, Vijay Nocole, Chennai.
5.	T.P Jain, Business Economics, Global Publication Pvt. Ltd, Chennai.
Reference Books	
1.	S.Shankaran, Business Economics-Margham Publications, Chennai.
2.	P.L.Mehta, Managerial Economics–Analysis, Problems & Cases, Sultan Chand & Sons, New Delhi.
3.	Peter Mitchelson and Andrew Mann, Economics for Business-Thomas Nelson Australia
4.	Ram singh and Vinaykumar, Business Economics, Thakur Publication Pvt. Ltd, Chennai.
5.	Saluram and Priyanka Jindal, Business Economics, CA Foundation Study material, Chennai.
Web Resources	
1.	https://youtube.com/channel/UC69_-P77nf5-rKrjcpVESqQ
2.	https://www.icsi.edu/
3.	https://www.yourarticlelibrary.com/marketing/pricing/product-pricing-objectives-basis-and-factors/74160
4.	https://youtube.com/channel/UC69_-P77nf5-rKrjcpVESqQ

26UECEC21 TOURISM MANAGEMENT

Course Code	Course Name	Category	Credits	Marks	
				External	Total
26UECEC21	Tourism Management	ECC-2	2	100	100
Course Outcomes					
COs	On completion of this course, Learners will be to				KL
CO1	Explain the fundamental concepts, historical evolution, nature, and socioeconomic significance of global and domestic tourism.				K2
CO2	Outline international and domestic travel regulations and distinguish the operational features of road, rail, sea, and air transport systems in travel management.				K2
CO3	Apply core marketing principles, promotional strategies, and advertising techniques to design effective sales support systems for tourism products.				K3
CO4	Analyze the strategic role of modern information technology, reservation networks, and digital communication systems within the tourism industry ecosystem.				K4
CO5	Evaluate the multi-dimensional impacts (economic, socio-cultural, and ecological) of tourism, emphasizing eco-tourism paradigms and risk mitigation strategies.				K5
CO6	Appraise India's national tourism policies, geographical assets, and heritage architectural/sculptural landmarks as core destination attractions.				K5
Module	Contents				Hours
I	Introduction to Tourism Concept of Tourism - Nature of Tourism -Significance of Tourism - History of Tourism - Meaning of Marketing.				
II	Travel Management and Transport Travel Regulations - Road Transport -Rail Transport -Travel by sea-Air travel.				
III	Marketing in tourism Role of Marketing – Tourism promotion/ advertisement /sales support/ - Information Techniques – Network in Tourism				
IV	Economic, Social and Ecological Impact of Tourism Economic Impacts of Tourism-Social and Cultural Impact of Tourism-Eco-Tourism-Problems of Tourism				
V	Tourism in India Government Policy of Tourism – Geographical importance of Tourism – Architecture and Sculptures as Attraction of Tourism				
Textbooks					
1.	Tourism Development: Principles and Practices by A.K. Bhatia (Sterling Publishers)2019				
2.	Tourism Marketing by S.M. Jha (Himalaya Publishing House)2021				

Reference Books	
1.	Eco-Tourism by Pheba Anand and K.S. Chandrasekar.
2.	The Business of Tourism by Christopher Hollowell and J. Christopher Holloway (SAGE Publications)
3.	Marketing for Hospitality and Tourism by Philip Kotler, John T. Bowen, James Makens, and Seyhmus Baloglu (Pearson Education)
Web Resources	
1.	Ministry of Tourism, Government of India (tourism.gov.in)
2.	Archaeological Survey of India (ASI) (asi.nic.in)
3.	United Nations Tourism (UN Tourism) (unwto.org)

26UECEC31 APPLICATIONS OF MATHEMATICS IN ECONOMICS

Course Code	Course Name	Category	Credits	Marks	
				External	Total
26UECEC31	Applications of Mathematics in Economics	ECC-3	2	100	100
Course Outcomes					
COs	On completion of this course, Learners will be to				KL
CO1	Recite the mathematical ideas using numerical, graphical and symbolic representations.				K2
CO2	Associate the comfortable for using mathematical tools in Economic Theories and models.				K3
CO3	Apply mathematical formulas and equations in economics and business applications				K4
CO4	Compare the mathematical tools and economic tools for effective production process				K5
CO5	Analyze and formulate the new ideas for economic measurements.				K4
CO6	Apply and various economic theories and concepts into mathematical models for policy framework.				K5
Module	Contents				Hours
I	Nature and scope of mathematical economics Introduction – Meaning – Nature – Scope – Role of Mathematics in Economics – Difference between Mathematical Economics, Economics, Statistics and Econometrics				
II	Mathematical Representation of Functions Utility, consumption, demand, supply, cost, revenue, profit and production functions.				
III	Optimization of demand, cost, revenue and profit functions Demand – point elasticity of demand – total, average and marginal cost functions – relationship between AC and MC – minimum average cost – total, average, and marginal revenue curves – relationship between AR and MR curves – revenue and profit maximization.				
IV	Constrained Optimization in Consumer Behaviour Utility Function – Properties of Indifference Curve – Utility Maximization – Partial Elasticity of Demand and Nature of Goods.				
V	Input- output Analysis Input – Output Analysis (2 Sector Model) – Assumptions – Technical Coefficient Matrix – Closed and open Model – Hawkins-Simon Conditions – Determination of Equilibrium Output of a Closed Model.				
Textbooks					
1.	Mehta B.C. and Madnani G.M.K., (2013), Mathematics for Economists, Sultan Chand & Sons, New Delhi.				
Reference Books					
1.	Chiang Alpha C., (1987), Fundamental Methods of Mathematical Economics, Mcgraw Hill Book Company, Singapore.				

2.	Henderson James & Richard E.Quandt, (1971), Micro Economic Theory, A Mathematical Approach, McGraw Hill Kogakusha Ltd., New Delhi.
3.	Weber Jean E., (1982), Mathematical Analysis – Business and Economic Applications, Harper International Edition, New York.
Web Resources	
1.	https://www.coursera.org/learn/mathematics-for-economists
2.	https://mitpress.mit.edu/9780262294805/mathematics-for-economics/
3.	https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf
4.	https://mitpress.mit.edu/9780262046626/mathematics-for-economics/

26UECEC41 ECONOMICS FOR COMPETITIVE EXAMINATION

Course Code	Course Name	Category	Credits	Marks	
				External	Total
26UECEC41	Economics for Competitive Examination	ECC-4	2	100	100
Course outcomes					
COs	On the completion of the course, the Learners will be able to				KL
CO1	Recite and define the basic concepts of Economics.				K1
CO2	Describe the fundamental concepts used in different branches of Economics.				K2
CO3	Discuss the banking, trade and nature of Indian Economy perspectives				K3
CO4	Apply the different concepts of Economics in their competitive examinations.				K4
CO5	Examine and demonstrate current economic issues by overall perspectives.				K3
CO6	Evaluate and compare the various economic policies with another and appear the competitive exam.				K5
Module	Contents				Hour
I	Micro Economics Definitions of Economics (wealth welfare, scarcity, and Growth) The Importance of studying micro Economics – positive Economics – Normative Economics – welfare Economics – distinction and inter dependence of Micro and Macro - Law of Demand- Elasticity of demand- Law of Variable Proportions- Time Element – Market structures – Factor Pricing- Rent- Wages- Interest – profit.				
II	Macro Economics Meaning and Definition - Methods of Measuring of Concept of National Income – Keynesian Theory of effective Demand and employment Consumption Function – Investment- Determinants Marginal Efficiency of capital, Multiplier – Accelerator				
III	Money – Banking and Finance Types - money and near money - Functions of Money- Quantity theory of money - Cambridge equation – Keynesian theory of Demand for money – Modern Theory of Demand for money – Functions of Commercial banks – Functions of central Bank - Methods of credit control – Meaning and types of Inflation – Trade cycle				
IV	Public Finance Principle of Maximum Social Advantage – Sources of Public Revenue - Tax and Non-Tax Revenue – Direct and Indirect Taxes – Tax Structure – GST – Public Budget – Revenue and capital Budgets – budgetary deficits				

V	Indian Economy Features – Poverty – Rural Development programmes rural and urban unemployment –India’s external Debt – Economic Reforms - Demonetization - Fiscal policy- Monetary Policy – Industrial Policy – Trade Policy – Agricultural Policy.	
Textbooks		
1.	M.J. Kennedy, (2011), <i>Objective Economics for</i> . Competitive Examinations, Himalaya Publishing House, New. Delhi.	
Reference Books		
1.	Ahuja (2000), <i>Advanced Economics Theory</i> , S. Chand& Co, New Delhi	
2.	M.L. Seth (1998), <i>Macro Economics</i> , LakshmiNarainAgrawal. Agra.	
3.	Hajela T (1999), <i>Monetary Economics</i> , Sultan Chand Publications, New Delhi.	
4.	B.P. Tyagi (2000), <i>Public Finance</i> , Jai Prakash Nath& Co, Meerut	
5.	M.L. Jhingan (2001), <i>The Economics of development and planning</i> , Virnda publication ltd, New Delhi.	
6.	Misra & Puri (1999), <i>Indian Economics</i> , Himalaya publishing House, Mumbai	
7.	P.N. Roy (1984), <i>A Dictionary of Economics</i> , Central Educational Enterprises, Calcutta.	
Web Resources		
1.	https://www.examrace.com/Study-Material/Economics/	
2.	https://www.examstocks.com/economics-question-answer-pdf/	
3.	https://sscstudy.com/economics-for-ssc-pdf-download/	
4.	https://www.clearias.com/economics/	

26UECEC51 POLITICAL ECONOMY

Course Code	Course Name	Category	Credits	Marks	
				External	Total
26UECEC51	Political Economy	ECC-5	2	100	100
Course outcomes					
COs	On the completion of the course, the Learners will be able to				KL
CO1	Explain the historical evolution of economic systems and compare classical, Marxist, Neo-liberal, and Weberian theoretical approaches to capitalism.				K2
CO2	Analyze how global value chains, Multinational Corporations (MNCs), and changing labor processes shape modern labor markets and inter-firm governance.				K4
CO3	Deconstruct the mechanics of the neoliberal state, including the political economy of fiscal policy, taxation dynamics, and the structural consequences of financialization.				K4
CO4	Evaluate the role of global governance architectures (WTO, IMF, World Bank) and structural models of planning in managing international trade and capital flows.				K5
CO5	Assess the differentiated impacts of macroeconomic policies on gender equality and ecological sustainability.				K5
CO6	Formulate policy critiques or management frameworks addressing regional socio-economic disparities in India and structural failures during global/domestic financial crises.				K6
Module	Contents				Hours
I	Foundations of Political Economy Definition & Scope: Interaction of money, laws, and power in a nation. Historical Evolution: From classical to contemporary economic systems. Theories of Capitalism: Classical (Smith), Marxist critiques, Neo-liberalism, and Weberian approaches. Capitalist Development: Labor theory of value, accumulation, and capital accumulation processes.				
II	Capitalist Production and Labour Markets Organization of Production: Evolution of Multinational Corporations (MNCs) and their economic logic. Labour Process: Changing nature of employment, job security, and labour rights. Value Chain Networks: Contemporary forms of inter-firm governance.				
III	State and Institutions The Neoliberal State: Theoretical foundations and policies. Fiscal Policy: Political economy of taxation, public policy, and fiscal federalism. Financialization: The growing role of financial markets, motives and consequences.				

IV	Globalization and Development Global Governance: Role of the WTO, IMF, World Bank, and regionalism. International Trade & Capital Flows: Historical and modern patterns. Economic Development: Models of development planning and the role of the state. Gender and Environment: Impact of economic policies on gender equality and environmental sustainability.	
V	Contemporary Political Governance Corporate Structure: Changes in governance and accountability. Regional Issues (e.g., India): Political processes, developmental state, and regional disparities. Current Global and Indian political and economic Crises: Managing political and financial crises at current scenario.	
Textbooks		
1.	Understanding Capitalism: Competition, Command, and Change (4th Edition) by Samuel Bowles, Richard Edwards, Frank Roosevelt, and Mehrene Larudee (Oxford University Press) 2008	
2.	Global Political Economy: Understanding the International Economic Order by Robert Gilpin (Princeton University Press) 2010	
Reference Books		
1.	The Worldly Philosophers by Robert L. Heilbroner (Simon & Schuster)	
2.	The Political Economy of Development in India by Pranab Bardhan (Oxford University Press).	
3.	A Brief History of Neoliberalism by David Harvey (Oxford University Press)	
4.	The Great Transformation: The Political and Economic Origins of Our Time by Karl Polanyi (Beacon Press)	
Web Resources		
1.	Union for Radical Political Economics (URPE) (urpe.org)	
2.	NITI Aayog, Government of India Portal (nitiaayog.gov.in)	
3.	EPW Research Foundation (Economic and Political Weekly) (epwrf.in)	

26UECEC61 RESEARCH METHODS IN ECONOMICS
(Compulsory for III UG Students)

Course Code	Course Name	Category	Credits	Marks	
				External	Total
26UECEC61	Research Methods in Economics	ECC-6	2	100	100
Course outcomes					
COs	On the completion of the course, the Learners will be able to				KL
CO1	To understand the meaning and significance characteristics of scientific research.				K1
CO2	To describe the formulation, selection of research problem and collection of reviews.				K2
CO3	To apply the various research design in the social science research.				K3
CO4	To enumerate the data and sampling methods.				K3
CO5	To discuss the report writing techniques and its procedures				K4
CO6	To formulate the research model proposal.				K5
Module	Contents				Hours
I	Introduction Research: meaning and significance Characteristics of Scientific Research - Type of Research: Pure, Applied, Analytical, Exploratory, Descriptive, Surveys, Case-Study - Limitations of Social Science Research - Role of Computer Technology In Research.				
II	Research Problem and Review of Literature Research Problem: formulation and selection - necessity of defining the problem – Review of literature: Primary and Secondary Sources - importance of literature review in defining a problem - identifying gap areas from literature and research database.				
III	Research Design Research Design: Concept and Importance in Research – Features of a Good Research Design – Exploratory Research Design – Descriptive Research Design – Experimental Design: Concept of Independent & Dependent variables.				
IV	Data and Sampling Methods Data types: Qualitative and Quantitative - Sources of Primary and secondary data - Census - Sampling Methods: Probability and Non-Probability Sampling Methods - Sampling and Non-Sampling Errors				
V	Hypothesis and Report Writing Hypothesis: Types of Hypothesis - Null and Alternative Hypothesis - Parameter and Statistic - Type I and Type II Errors - Level of Significance and Critical Region - Report Writing - Types and Principles of writing the Research Report				

Textbooks	
1.	Krishnaswamy, O.R. (1993) Methodology of Research In Social Sciences, Himalaya publishing House.
2.	Kothari, C. R. (2004). Research Methodology: Methods and techniques. New Age International.
3.	Vinod Chandra, , Anand Hareendran, “Research methodology”, Pearson, 2017
4.	R. Pannerselvam, “Research Methodology”, PHI learning,2014
5.	Ranjit Kumar, “Research Methodology”, Sage Publication, 2010
Reference Books	
1.	Taylor, B., Sinha, G., & Ghoshal, T. (2006). Research methodology: A guide to for researchers in management and social sciences. PHI Learning Pvt. Ltd.
2.	Bhandarkar, P. L., Wilkinson, T. S., & Laldas, D. K. (2010). Methodology & Techniques of Social Research. Himalaya Publishing House
3.	Kumar, A. (2002). Research methodology in social science. Sarup & Sons
4.	Daniel, P. S., & Sam, A. G. (2011). Research methodology. Gyan Publishing House
5.	Ethridge, D. (2004). Research methodology in applied economics: organizing, planning, and conducting economic research, Blackwell publishing
Web Resources	
1.	http://ignou.ac.in
2.	http://egyankosh.ac.in
3.	https://www.educba.com
4.	https://research.com/research/how-to-write-research-methodology
5.	https://www.questionpro.com/blog/what-is-research/