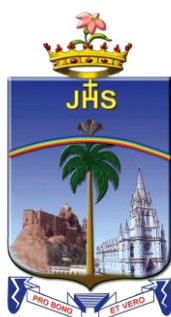


B.A. ECONOMICS
LOCF SYLLABUS – 2021

SCHOOLS OF EXCELLENCE
WITH CHOICE BASED CREDIT SYSTEM (CBCS)



DEPARTMENT OF ECONOMICS
SCHOOL OF MANAGEMENT STUDIES
ST. JOSEPH'S COLLEGE (AUTONOMOUS)

Special Heritage Status Awarded by UGC
Accredited at A⁺⁺ Grade (IV Cycle) by NAAC
College with Potential for Excellence by UGC
DBT-STAR & DST-FIST Sponsored College
Tiruchirappalli - 620 002, Tamil Nadu, India

SCHOOLS OF EXCELLENCE WITH CHOICE BASED CREDIT SYSTEM (CBCS) UNDERGRADUATE COURSES

St. Joseph's College (Autonomous), a pioneer in higher education in India, strives to maintain and uphold the academic excellence. In this regard, it has initiated the implementation of five "Schools of Excellence" from the academic year 2014 – 15, to meet and excel the challenges of the 21st century.

Each School integrates related disciplines under one roof. The school system enhances the optimal utilization of both human and infrastructural resources. It also enhances academic mobility and enriches employability. The School system preserves the identity, autonomy and uniqueness of every department and reinforces Student centric curriculum designing and skill imparting. These five schools adhere to achieve and accomplish the following objectives.

Optimal utilization of resources both human and material for the academic flexibility leading to excellence.

Students experience or enjoy their choice of courses and credits for their horizontal mobility.

The existing curricular structure as specified by TANSICHE and other higher educational institutions facilitate the Credit-Transfer Across the Disciplines (CTAD) - a uniqueness of the choice based credit system.

Human excellence in specialized areas

Thrust in internship and / or projects as a lead towards research and

The multi-discipline nature of the School System caters to the needs of stake-holders, especially the employers.

Credit system:

Weightage to a course is given in relation to the hours assigned for the course. Generally one hour per week has one credit. For viability and conformity to the guidelines credits are awarded irrespective of the teaching hours. The credits and hours of each course of a programme is given in the table of Programme Pattern. However, there could be some flexibility because of practical, field visits, tutorials and nature of project work.

For UG courses, a student must earn a minimum of 130 credits as mentioned in the programme pattern table. The total number of minimum courses offered by the Department is given in the Programme Structure.

OUTCOME-BASED EDUCATION (OBE)

LEARNING OUTCOME-BASED CURRICULUM FRAMEWORK (LOCF)

OBE is an educational theory that bases each part of an educational system around goals (outcomes). By the end of the educational experience, each student should have achieved the goal. There is no single specified style of teaching or assessment in OBE; instead, classes, opportunities and assessments should all help the students achieve the specific outcomes

Outcome Based Education, as the name suggests depends on Outcomes and not Inputs. The outcomes in OBE are expected to be measurable. In fact each Educational Institute can state its own outcomes. The ultimate goal is to ensure that there is a correlation between education and employability

Outcome –Based Education (OBE): is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve, stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

Some important aspects of the Outcome Based Education

Course: is defined as a theory, practical or theory cum practical subject studied in a semester.

Course Outcomes (COs): are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course. Generally three or more course outcomes may be specified for each course based on its weightage.

Programme: is defined as the specialization or discipline of a Degree.

Programme Outcomes (POs): Programme outcomes are narrower statements that describe what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

Programme Specific Outcomes (PSOs):

PSOs are what the students should be able to do at the time of graduation with reference to a specific discipline.

Programme Educational Objectives (PEOs): The PEOs of a programme are the statements that describe the expected achievement of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years after Graduation.

Some important terminologies repeatedly used in LOCF.

Core Courses (CC)

A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course. These are the courses which provide basic understanding of their main discipline. In order to maintain a requisite standard certain core courses must be included in an academic program. This helps in providing a universal recognition to the said academic program.

Discipline Specific Elective Courses (DSE)

Elective course may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective (DSE). These courses offer the flexibility of selection of options from a pool of courses. These are considered specialized or advanced to that particular programme and provide extensive exposure in the area chosen; these are also more applied in nature.

DSE: Four courses are offered, two courses each in semester V and VI

Note: To offer **one DSE**, a minimum of two courses of equal importance / weightage is a must.

A department with two sections must offer two courses to the students.

One DSE Course may be offered as interdisciplinary course among the departments in a School (Common Core Course) at the PG level.

Generic Elective Courses

An elective course chosen generally from an **unrelated discipline/subject**, with an intention to seek exposure is called a Generic Elective.

Generic Elective courses are designed for the students of **other disciplines**. Thus, as per the CBCS policy, the students pursuing particular disciplines would have to opt Generic Elective courses offered by other disciplines, as per the basket of courses offered by the college. The scope of the Generic Elective (GE) Courses is positively related to the diversity of disciplines in which programmes are being offered by the college.

Two GE Courses are offered one each in semesters V and VI.

(open to the students of other Departments)

The Ability Enhancement Courses (AEC)

“AECC” are the courses based upon the content that leads to Knowledge enhancement; Communicative English, Environmental Science. These are mandatory for all disciplines.

AECC-1: Communicative English: It is a 4 credits compulsory course offered by the Department of English in the first semester of the Degree Programme, Classes are conducted outside the regular class hours.

AECC-2: Environmental Science: is a 2 credit course offered as a compulsory course during the second semester by the Department of Human Excellence.

Skill Enhancement Courses (SECs)

These courses focus on developing skills or proficiencies in the student, and aim at providing hands-on training. Skill enhancement courses can be opted by the students of any other discipline, but are highly suitable for students pursuing their academic programme.

These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

There are four courses under this category

SEC-1 is offered in semester **III as a course** Within the Department (**WD**) it is More of main discipline related skills.

SEC-2 is offered in semester **IV as a course** Between schools (**BS**) Offered to students of other schools (Except the school offering the course)

SEC-3 is offered in semester **V as a compulsory course** on Soft Skills offered by the Department of Human Excellence, common to all the students of UG programme.

SEC-4 is offered in semester **VI as a course** **Within School (WS)** Open to all the students within the same school (including the students of the parent department)

Self-paced Learning: It is a course for two credits. It is offered to promote the habit of independent/self learning of Students. Since it is a two credit course, syllabus is framed to complete within 45 hours. It is not taught in the regular working hours.

Field Study/Industrial Visit/Case Study: It has to be completed during the fifth semester of the degree programme. Credit for this course will be entered in the fifth semester's marks statement.

Internship: Students must complete internship during summer holidays after the fourth semester. They have to submit a report of internship training with the necessary documents and have to appear for a viva-voce examination during fifth semester. Credit for internship will be entered in the fifth semester's mark statement.

Comprehensive Examinations: A detailed syllabus consisting of five units to be chosen from the courses offered over the five semesters which are of immense importance and those portions which could not be accommodated in the regular syllabus.

Extra Credit Courses: In order to facilitate the students, gaining knowledge/skills by attending online courses MOOC, credits are awarded as extra credits, the extra credit are at three semesters after verifying the course completion certificates. According to the guidelines of UGC, the students are encouraged to avail this option of enriching their knowledge by enrolling themselves in the Massive Open Online Courses (MOOC) provided by various portals such as SWAYAM, NPTEL and etc.

Undergraduate Programme:

Programme Pattern:

The Under Graduate degree programme consists of **FIVE** vital components. They are as follows:

Part -I : Languages (Tamil / Hindi / French / Sanskrit)

Part-II : General English

Part-III : Core Course (Theory, Practicals, Discipline Specific Electives, Compulsory and Optional Allied courses, Project, Self paced courses, Internship , Comprehensive Examinations and field visit /industrial visit/Case Study)

Part-IV: Value Education, Ability Enhancement Courses, Skill Enhancement Courses/ Soft Skills , Generic Electives/ National Cadet Corps etc.

Part-V: Outreach Programme (SHEPHERD).

Ability Enhancement Courses (AEC): There are two Ability Enhancement courses viz AECC and SEC.

Value Education Courses:

There are four courses offered in the first four semesters for the First & Second UG Programme.

Course Coding

The following code system (11 alphanumeric characters) is adopted for Under Graduate courses:

21	UXX	N	N	XX	NN/NNX
Year of Revision	UG Department Code	Semester number	Part specification	Part Category	Running number/with choice

N:- Numeral X :- Alphabet

Part Category

GL - Languages (Tamil / Hindi / French / Sanskrit)

GE - General English

CC - Core Theory; CP- Core Practical

WS- Workshop

SP- Self Paced Learning

IS- Internship

FV- Field visit

CE- Comprehensive Examination

PW- Project Work& viva-voce

Electives Courses

ES – Department Specific Electives

EG- Generic Electives

Allied Courses

AC - Allied Compulsory

AO- Allied Optional

EC - Additional Core Courses for Extra Credits (If any)*

Ability Enhancement Courses

AE – Ability Enhancement Compulsory Courses; Bridge Course and Environment Science

SE – Skill Enhancement (WD), (BS), (WS) and Soft skills

VE - Value Education/ Social Ethics/Religious Doctrine

OR – Outreach SHEPHERD & Gender Studies (Outreach)

SU - AICUF / Nature Club / Fine Arts / NCC / NSS /etc. (Service Unit)

CIA AND SEMESTER EXAMINATION

Continuous Internal Assessment (CIA):

Distribution of CIA Marks	
Passing Minimum: 40 Marks	
Library Referencing	5
3 Components	35
Mid-Semester Test	30
End-Semester Test	30
Total CIA	100

MID-SEM & END – SEM TEST

Centralised – Conducted by the office of COE

1. Mid-Sem Test & End-Sem Test: (2 Hours each); will have Objective and Descriptive elements; with the below mentioned question pattern PART-A; PART-B; PART-C and PART D.

2. One of the CIA Component II/III for UG & PG will be of 15 marks and compulsorily a online objective multiple choice question type.

3. The online CIA Component must be conducted by the Department / faculty concerned at a suitable computer centre.

4. The 7 marks of PART-A of Mid-Sem and End-Sem Tests will comprise only: OBJECTIVE MULTIPLE CHOICE QUESTIONS.

5. The number of hours for the 5 marks allotted for Library Referencing/ work would be 30 hours per semester. The marks scored out of 5 will be given to all the courses (Courses) of the Semester.

6. English Composition once a fortnight will form one of the components for UG general English

Duration of Examination must be rational; proportional to teaching hours 90 minute-examination / 50 Marks for courses of 2/3 hours/week (all Part IV UG Courses) 3-hours examination for courses of 4-6 hours/week.

Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

S. No.	Level	Parameter	Description
1	K1	Knowledge/Remembering	It is the ability to remember the previously learned
2	K2	Comprehension/Understanding	The learner explains ideas or concepts
3	K3	Application/Applying	The learner uses information in a new way
4	K4	Analysis/Analysing	The learner distinguishes among different
5	K5	Evaluation/Evaluating	The learner justifies a stand or decision
6	K6	Synthesis /Creating	The learner creates a new product or point of view

WEIGHTAGE of K – LEVELS IN QUESTION PAPER

(Cognitive Level) K- LEVELS	Lower Order Thinking			Higher Order Thinking			Total %
	K1	K2	K3	K4	K5	K6	
SEMESTER EXAMINATIONS	15	20	35	30			100
MID / END Semester TESTS	12	20	35	33			100

QUESTION PATTERN FOR SEMESTER EXAMINATION

SECTION	MARKS
SECTION-A (No choice ,One Mark) THREE questions from each unit (15x1 =15)	15
SECTION-B (No choice ,2-Marks) TWO questions from each unit (10x2 =20)	20
SECTION-C (Either/or type) (7- Marks) ONE question from each unit (5x7 =35)	35
SECTION-D (3 out of 5) (10 Marks) ONE question from each unit (3x10 =30)	30
Total	100

BLUE PRINT OF QUESTION PAPER FOR SEMESTER EXAMINATION							
DURATION: 3. 00 Hours.				Max Mark : 100			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
SECTIONS							
SECTION-A (One Mark, No choice) (15x1=15)	15						15
SECTION-B (2-Marks, No choice) (10x2=20)		10					20
SECTION-C (7- Marks) (Either/or type) (5x7=35)			5				35
SECTION-D (10 Marks) (3 out of 5) (3x10=30) Courses having only K4 levels				3			30
Courses having K4 and K5 levels One K5 level question is compulsory				2	1		
(Courses having all the 6 cognitive levels) One K5 and K6 level questions can be compulsory				1	1	1	
Total	15	20	35	30			100

QUESTION PATTERN FOR MID/END TEST			
SECTIONS			MARKS
SECTION-A (No choice, One Mark) (7x1 =7)			7
SECTION-B (No choice , 2-Marks) (6x2 =12)			12
SECTION-C (Either/or type) (7- Marks) (3x7 =21)			21
SECTION-D (2 out of 3) (10 Marks) (2x10=20)			20
Total			60

BLUE PRINT OF QUESTION PAPER FOR MID/END TEST							
DURATION: 2. 00 Hours.				Max Mark: 60.			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
SECTIONS							
SECTION -A (One Mark, No choice) (7 x 1 = 7)	7						07
SECTION-B (2-Marks, No choice) (6 x 2 = 12)		6					12
SECTION-C (Either/or type) (7- Marks) (3 x 7 =21)			3				21
SECTION-D (2 out of 3) (10 Marks) (2x10=20) Courses having only K4 levels				2			20
Courses having K4 and K5 levels One K5 level question is compulsory				1	1		
Courses having all the 6 cognitive levels One K6 level question is compulsory					1	1	
Total Marks	07	12	21	20			60
Weightage for 100 %	12	20	35	33			100

Assessment pattern for two credit courses.

S. No.	Course Title	CIA	Semester Examination	Total Marks
1	Self Paced Learning Course	25 + 25 = 50	50 Marks (MCQ) (COE)	100
2	Comprehensive Examinations	25 +25 = 50	50 Marks (MCQ) (COE)	100
3	Internship	100	--	100
4	Field Visit	100	--	100
5	Ability Enhancement Course (AEC) for PG	50 (Three Components)	50 (COE) (Specific Question Pattern)	100
Assessment Pattern for Courses in Part - IV				
6	Value Education Courses and Environmental Studies	50	50 Marks (For 2.00 hours) (COE)	100
7	Skill Enhancement Courses(SECs)	50 marks (by Course in-charge) 50 Marks (by an External member from the Department)		100
8	SEC: SOFT SKILLS (For UG and PG)	100 (Fully Internal)		100

EVALUATION

GRADING SYSTEM

Once the marks of the CIA and the end-semester examination for each of the courses are available, they will be added and converted as final mark. The marks thus obtained will then be graded as per the scheme provided in Table-1.

From the second semester onwards, the total performance within a semester and the continuous performance starting from the first semester are indicated by semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) respectively. These two are calculated by the following formulae:

$\text{GPA} = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$	$\text{WAM (Weighted Average Marks)} = \frac{\sum_{i=1}^n C_i M_i}{\sum_{i=1}^n C_i}$
<p>Where,</p> <p>C_i is the Credit earned for the Course i G_i is the Grade Point obtained by the student for the Course i M_i is the marks obtained for the course i and n is the number of Courses Passed in that semester.</p>	

CGPA: Average GPA of all the Courses starting from the first semester to the current semester.

CLASSIFICATION OF FINAL RESULTS:

- i) For each of the first three parts, there shall be separate classification on the basis of CGPA, as indicated in Table-2.
- ii) For the purpose of declaring a candidate to have qualified for the Degree of Bachelor of Arts/Science/Commerce/Management/Literature as Outstanding/Excellent/Very Good/Good/Above Average/Average, the marks and the corresponding CGPA earned by the candidate in Part-III alone will be the criterion, provided the candidate has secured the prescribed passing minimum in the all the Five parts of the Programme.
- iii) Grade in Part –IV and Part-V shall be shown separately and it shall not be taken into account for classification.
- iv) A Pass in SHEPHERD will continue to be mandatory although the marks will not count for the calculation of the CGPA.
- v) Absence from an examination shall not be taken an attempt.

Table-1: Grading of the Courses

Marks Range	Grade Point	Corresponding Grade
90 and above	10	O
80 and above and below 90	9	A+
70 and above and below 80	8	A
60 and above and below 70	7	B+
50 and above and below 60	6	B
40 and above and below 50	5	C
Below 40	0	RA

Table-2: Final Result

CGPA	Corresponding Grade	Classification of Final Result
9.00 and above	O	Outstanding
8.00 to 8.99	A+	Excellent
7.00 to 7.99	A	Very Good
6.00 to 6.99	B+	Good
5.00 to 5.99	B	Above Average
4.00 to 4.99	C	Average
Below 4.00	RA	Re-appearance

Credit based weighted Mark System is adopted for the individual semesters and cumulative semesters in the column 'Marks secured' (for 100)

Declaration of Result

Mr./ MS. _____ has successfully completed the Under Graduate in _____ programme. The candidate's Cumulative Grade Point Average (CGPA) in Part – III is _____ and the class secured is _____ by completing the minimum of 130 credits. The candidate has acquired _____ (if any) more credits from SHEPHERD / AICUF/ FINE ARTS / SPORTS & GAMES / NCC / NSS / NATURE CLUB, ETC. The candidate has also acquired _____ (if any) extra credits by attending MOOC courses.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

The Programme Outcomes (POs)/Programme Specific Outcomes(PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their programme. At the end of each programme the PO/PSO assessment is done from the CO attainment of all curriculum components. The POs/PSOs are framed based on the guidelines of LOCF. There are five POs UG programme and five POs for PG programme framed by the college. PSOs are framed by the departments and they are five in numbers.

For each Course, there are five Course Outcomes to be achieved at the end of the course. These Course outcomes are framed to achieve the POs/PSOs. All course outcomes shall have linkage to POs/PSOs in such a way that the strongest relation has the weight 3 and the weakest is 1. This relation is defined by using the following table.

Mapping	<40%	≥ 40% and < 70%	≥ 70%
Relation	Low Level	Medium Level	High Level
Scale	1	2	3

Mean Scores of COs = $\frac{\text{Sum of values}}{\text{Total No.of POs \& PSOs}}$		Mean Overall Score = $\frac{\text{Sum of Mean Scores}}{\text{Total No.of COs}}$	
Result	Mean Overall Score	< 1.2	# Low
		≥ 1.2 and < 2.2	# Medium
		≥ 2.2	# High

If the mean overall score is low then the course in charge has to redesign the particular course content so as to achieve high level mean overall score.

VISION

Forming globally competent, committed, compassionate and holistic persons, to be men and women for others, promoting a just society.

MISSION

- Fostering learning environment to students of diverse background, developing their inherent skills and competencies through reflection, creation of knowledge and service.
- Nurturing comprehensive learning and best practices through innovative and value-driven pedagogy.
- Contributing significantly to Higher Education through Teaching, Learning, Research and Extension.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Graduates will be able to accomplish professional standards in the global environment.
- Graduates will be able to uphold integrity and human values.
- Graduates will be able to appreciate and promote pluralism and multiculturalism in working environment.

PROGRAMME OUTCOMES (POs) UG

1. Graduates will be able to comprehend the concepts learnt and apply in real life situations with analytical skills.
2. Graduates with acquired skills and enhanced knowledge will be employable/ become entrepreneurs or will pursue higher Education.
3. Graduates with acquired knowledge of modern tools communicative skills and will be able to contribute effectively as team members.
4. Graduates are able to read the signs of the time analyze and provide practical solutions.
5. Graduates imbued with ethical values and social concern will be able to understand and appreciate social harmony, cultural diversity ensure sustainable environment.

PROGRAMME SPECIFIC OUTCOMES (PSOs) UG

On completion of the Programme, the Under Graduates will be able to;

1. Define and explain the concepts, principles and theories in Economics.(K1 & K2)
2. Demonstrate and interpret the applications of programmes and policies in Economics and Environment.(K3)
3. Infer and apply basic quantitative techniques and modern tools in research for economic and social development. (K3 & K4)
4. Experiment and analyse the knowledge of the subject in managerial skills, entrepreneurial skills and innovative ideas with ethical values.(K4)
5. Compare and contrast the domestic and international business, finance and economic relations on par with global competitiveness.(K2)

B.A. ECONOMICS						
PROGRAMME STRUCTURE						
Part	Sem.	Specification	No. of Courses	No. of Hours	Credits	Total Credits
I	1-IV	Languages (Tamil / Hindi/ French/ Sanskrit)	4	16	12	12
II	I-IV	General English	4	20	12	12
	I –VI	Core course : Theory	12	74	45	
III	I –VI	Core course : Practical	--	--		
	I-IV	Core course- Allied /(Practical)	4	24	16	
	V-VI	Discipline Specific Elective	4	20	12	
	VI	Project Work	1		2	
	V	Self-paced learning	1	--	2	
	V	Field study/ Industrial visit/ Case study	1		1	
	V	Internship	1	-	2	
	VI	Comprehensive Exam	1	--	2	
	II,III,V	Extra Credit courses (MOOC)	(3)	--	(6)	(6)
IV	V,VI	Generic Elective	2	8	6	
	I	AECC-1 Communicative English	1	--	4	
	II	AECC-2 Environmental studies	1	2	2	
	III	SEC -1 Within Dept. (WD)	1	2	1	
	IV	SEC -2 Between Schools (BS)	1	2	1	
	V	SEC -3 Soft skill	1	2	1	
	VI	SEC -4 Within School (WS)	1	2	1	
	I-IV	Value Education	4	8	4	
V	1-V	Outreach Programme /NCC	-	-	4	4
		Total		180	130 (6)	130(6)

B.A. ECONOMICS
PROGRAMME PATTERN

Course Details						Scheme of Exams		
Sem	Part	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
I	1	21UTA11GL01	General Tamil - I	4	3	100	100	100
		21UFR11GL01	French-I					
		21UHI11GL01	Hindi-I					
		21USA11GL01	Sanskrit-I					
	2	21UEN12GE01	General English -I	5	3	100	100	100
	3	21UEC13CC01	Microeconomics – I	7	4	100	100	100
	3	21UEC13CC02	Indian Economic Development – I	6	4	100	100	100
	3	21UEC13AC01	Allied: Mathematical Methods in Economics– I	6	4	100	100	100
	4	21UEN14AE01	AECC-1: Communicative English	(6)	4	100	-	100
	4	21UHE14VE01	Essentials of Humanity	2	1	50	50	50
Total				30	23			
II	1	21UTA21GL02	General Tamil - II	4	3	100	100	100
		21UFR21GL02	French-II					
		21UHI21GL02	Hindi-II					
		21USA21GL02	Sanskrit-II					
	2	21UEN22GE02	General English -II	5	3	100	100	100
	3	21UEC23CC03	Microeconomics – II	6	4	100	100	100
	3	21UEC23CC04	Indian Economic Development – II	5	3	100	100	100
	3	21UEC23AC02	Allied: Mathematical Methods in Economics – II	6	4	100	100	100
	4	21UHE24AE02	AECC-2: Environmental studies	2	2	50	50	50
	4	21UHE24VE02	Techniques of Social Analysis: Fundamentals of Human Rights	2	1	50	50	50
		Extra Credit Courses (MOOC)-1	-	(2)				
Total				30	20(2)			

III	1	21UTA31GL03	General Tamil -III	4	3	100	100	100
		21UFR31GL03	French-III					
		21UHI31GL03	Hindi-III					
		21USA31GL03	Sanskrit-III					
	2	21UEN32GE03	General English -III	5	3	100	100	100
	3	21UEC33CC05	Macroeconomics – I	6	4	100	100	100
	3	21UEC33CC06	Development Economics	5	3	100	100	100
	3	21UEC33AO03A	Allied Optional : Statistics for Economics-I	6	4	100	100	100
	3	21UEC33AO03B	Allied Optional : Data Analysis for Economics					
	3	21UEC34SE01	SEC -1 (WD): Economic Survey and Union Budget	2	1	100	-	100
	4	21UHE34VE03A	Professional Ethics–I: Social Ethics - I	2	1	50	50	50
		21UHE34VE03B	Professional Ethics -I: Religious Doctrine-I					
			Extra Credit Courses (MOOC)-2		(2)			
Total				30	19(2)			

IV	1	21UTA41GL4C	Commercial Tamil (SMS)	4	3	100	100	100
		21UFR41GL04	French- IV					
		21UHI41GL04	Hindi- IV					
		21USA41GL04	Sanskrit- IV					
	2	21UEN42GE04	General English - IV	5	3	100	100	100
	3	21UEC43CC07	Macroeconomics – II	6	4	100	100	100
	3	21UEC43CC08	Labour Economics	5	3	100	100	100
	3	21UEC43AO04A	Allied Optional :Statistics for Economics – II	6	4	100	100	100
		21UEC43AO04B	Allied Optional : Entrepreneurial Development					
	4	21UEC44SE02	SEC -2 (BS): Financial Economics	2	1	100	-	100
	4	21UHE44VE04A	Professional Ethics–II: Social Ethics - II	2	1	50	50	50
21UHE44VE04B		Professional Ethics -II: Religious Doctrine-II						
Total			30	19				
V	3	21UEC53CC09	Basic Econometrics	7	4	100	100	100
	3	21UEC53CC10	Money and Banking	7	4	100	100	100
	3	21UEC53ES01A	DSE-1 :Research Methods in Economics	5	3	100	100	100
		21UEC53ES01B	DSE-1 :Economics of Health and Education					
	3	21UEC53ES02A	DSE-2 :Economics of Infrastructure	5	3	100	100	100
		21UEC53ES02B	DSE-2 :Environmental Economics					
	3	21UEC53IS01	Internship	-	2	100	100	100
	3	21UEC53SP01	Self-paced Learning: Principles of Political Economy	-	2	50	50	50
	3	21UEC53FV01	Field study/ Industrial visit/ Case study	-	1	100	-	100
	4	21USS54SE03	SEC -3 : Soft Skills	2	1	100	-	100
	4	21UEC54EG01	GE-1: Principles of Economics	4	3	100	100	100
			Extra Credit Courses (MOOC)-3	---	(2)			
	Total			30	23(2)			
VI	3	21UEC63CC11	History of Economic Thought	7	4	100	100	100
	3	21UEC63CC12	Public Finance	7	4	100	100	100
	3	21UEC63ES03A	DSE-3: International Economics	5	3	100	100	100
		21UEC63ES03B	DSE-3: Money and Financial Markets					
	3	21UEC63ES04A	DSE-4: Tamil Nadu Economy	5	3	100	100	100
		21UEC63ES04B	DSE-4: Economics of Gender Development					
	3	21UEC63PW01	Project Work and Viva Voce	-	2	100	100	100
	3	21UEC63CE01	Comprehensive Examination	-	2	50	50	50
	4	21UEC64SE04	SEC-4 (WS): Contemporary Issues in Economics	2	1	100	-	100
4	21UEC64EG02	GE-2 : Economics for Competitive Exams	4	3	100	100	100	
Total			30	22				
I-VI	5	21UCW65OR01	Outreach Programme (SHEPHERD)		4			
Total (three years)			180	130(6)				

*The courses with a scheme of Exam 50 in CIA and SE will be converted to 100 for grading.

SEC-2: BETWEEN SCHOOL 4th Semester							
Between Schools (BS)- Offered to students of other schools (Except the school offering the course)							
Course Details					Scheme of Exams		
Offering Department	Course Code	Course Title	Hr	Cr	CIA	SE	Final
SBS							
Botany	21UBO44SE02	Mushroom Technology	2	1	100	-	100
SCS							
Computer Science	21UCS44SE02	Data Analysis Using Spreadsheet	2	1	100	-	100
Mathematics	21UMA44SE02	Numerical Ability	2	1	100	-	100
Statistics	21UST44SE02	Quantitative Methods	2	1	100	-	100
Information Technology	21UBC44SE02	Digital Artwork	2	1	100	-	100
SLAC							
English	21UEN44SE02	English for Competitive Examinations	2	1	100	-	100
History	21UHS44SE02	Historical Monuments in Tiruchirappalli	2	1	100	-	100
Tamil	21UTA44SE02A	மேடைப் பேச்சுக்கலை	2	1	100	-	100
Tamil	21UTA44SE02	திரைப்படத் திறனாய்வும் குறும்பட உருவாக்கம்	2	1	100	-	100
SMS							
Commerce	21UCO44SE02A	Personal Finance Management	2	1	100	-	100
Commerce	21UCO44SE02B	Marketing Skills	2	1	100	-	100
Commerce	21UCO44SE02C	Event Planning and Management	2	1	100	-	100
Economics	21UEC44SE02	Financial Economics	2	1	100	-	100
BBA	21UBU44SE02A	Entrepreneurial Skills Enhancement	2	1	100	-	100
BBA	21UBU44SE02B	Practical Stock Trading	2	1	100	-	100
CommerceCA	21UCC44SE02	Practical Banking in India	2	1	100	-	100
SPS							
Chemistry	21UCH44SE02A	Health Chemistry	2	1	100	-	100
Chemistry	21UCH44SE02B	Industrial Chemistry	2	1	100	-	100
Physics	21UPH44SE02A	Weather Physics	2	1	100	-	100
Physics	21UPH44SE02B	Electrical Wiring	2	1	100	-	100
Electronics	21UEL44SE02	PC Assembling and Servicing	2	1	100	-	100

GENERIC ELECTIVE -1: 5th Semester							
Generic Elective Courses are designed for the students of other disciplines. (open to the students of other departments)							
Course Details					Scheme of Exams		
Offering Department	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
SBS							
Botany	21UBO54EG01	Landscape Designing	4	3	100	100	100
SCS							
Computer Science	21UCS54EG01	Ethical Hacking	4	3	100	100	100
Mathematics	21UMA54EG01	Mathematics for Competitive Examinations	4	3	100	100	100
Statistics	21UST54EG01	Actuarial Statistics	4	3	100	100	100
Information Technology	21UBC54EG01	Fundamentals Of Data Science	4	3	100	100	100
SLAC							
English	21UEN54GE01	Film Studies	4	3	100	100	100
History	21UHS54EG01	Tamil Heritage and Culture	4	3	100	100	100
Tamil	21UTA54EG01	தமிழிலயக்கத்தில் மனித உரிமைகள்	4	3	100	100	100
SMS							
Commerce	21UCO54EG01A	Computerised Accounting	4	3	100	100	100
Commerce	21UCO54EG01B	Basics of Excel	4	3	100	100	100
Commerce	21UCO54EG01C	Personal Investment Planning	4	3	100	100	100
Economics	21UEC54EG01	Principles of Economics	4	3	100	100	100
Commerce CA	21UCC54EG01	E-commerce and E Business Management	4	3	100	100	100
BBA	21UBU54EG01A	Global Supply Chain Management	4	3	100	100	100
BBA	21UBU54EG01B	Start – Ups and Small Business Management	4	3	100	100	100
SPS							
Chemistry	21UCH54EG01A	Chemistry for Competitive Examinations	4	3	100	100	100
Chemistry	21UCH54EG01B	Everyday Chemistry	4	3	100	100	100
Physics	21UPH54EG01A	Everyday Physics	4	3	100	100	100
Physics	21UPH54EG01B	Renewable Energy Physics	4	3	100	100	100
Electronics	21UEL54EG01A	Everyday Electronics	4	3	100	100	100
Electronics	21UEL54EG01B	Wireless Communication	4	3	100	100	100

GENERIC ELECTIVE -2: 6 th Semester							
Generic Elective Courses are designed for the students of other disciplines. (open to the students of other departments)							
Course Details					Scheme of Exams		
Offering Department	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
SBS							
Botany	21UBO64EG02	Solid Waste Management	4	3	100	100	100
SCS							
Computer Science	21UCS64EG02	3D Printing and Design	4	3	100	100	100
Mathematics	21UMA64EG02	Analytical Skill for Competitive Examinations	4	3	100	100	100
Statistics	21UST64EG02	Applied Statistics	4	3	100	100	100
Information Technology	21UBC64EG02	Industry 4.0	4	3	100	100	100
SLAC							
English	21UEN64EG02	English for the Media	4	3	100	100	100
History	21UHS64EG02	Intellectual Revivalism in Tamil Nadu	4	3	100	100	100
Tamil	21UTA64EG02	சித்த மருத்துவம்	4	3	100	100	100
SMS							
Commerce	21UCO64EG02A	Rural Marketing	4	3	100	100	100
Commerce	21UCO64EG02B	Entrepreneurship Development	4	3	100	100	100
Commerce	21UCO64EG02C	Digital Marketing	4	3	100	100	100
Economics	21UEC64EG02	Economics for Competitive Exams	4	3	100	100	100
CommerceCA	21UCC64EG02	Total Quality Management	4	3	100	100	100
BBA	21UBU64EG02A	Personality Development	4	3	100	100	100
BBA	21UBU64EG02B	NGO Management	4	3	100	100	100
SPS							
Chemistry	21UCH64EG02A	Food And Nutrition	4	3	100	100	100
Chemistry	21UCH64EG02B	Waste Management	4	3	100	100	100
Physics	21UPH64EG02A	Laser Technology and its Application	4	3	100	100	100
Physics	21UPH64EG02B	Physics of Earth	4	3	100	100	100
Electronics	21UEL64EG02A	CCTV and Smart Security System	4	3	100	100	100
Electronics	21UEL64EG02B	Entrepreneurial Electronics	4	3	100	100	100

Semester	Course Code	Title of the Course	Hours	Credits
I	21UTA11GL01	General Tamil -I	4	3

CO No.	CO-Statements	Cognitive Levels (K-Levels)
	இப்பாடத்தின் நிறைவில் மாணவர்கள்	
CO-1	இக்கால இலக்கிய வகைகளைக் கண்டறிவர்	K1
CO-2	எழுத்து, சொல் இலக்கணங்களின் அடிப்படைகளைக் கண்டறிவர்	K1
CO-3	அயலகக் கவிதை வடிவங்களை விளங்கிக் கொள்வர்	K2
CO-4	மொழிபெயர்ப்புக் கவிதைகளின் வாயிலாக மொழிபெயர்ப்புத் திறனை வளர்த்தெடுப்பர்	K3
CO-5	புதுக்கவிதை வாயிலாக வெளிப்படும் சமூக, அரசியல் விழுமியங்களை மதிப்பிடுவர்	K4

அலகு - 1

(12 மணிநேரம்)

- பாரதியார் கவிதைகள் - குயில்பாட்டு (குயில் தன் பூர்வ ஜன்மக் கதை உரைத்தல்)
பாரதிதாசன் கவிதைகள் - சஞ்சீவி பர்வதத்தின் சாரல் உரைநடை - முதல் மூன்று கட்டுரைகள்

அலகு - 2

(12 மணிநேரம்)

- வெ.இராமலிங்கனார் - சொல், தமிழன் இதயம்
முடியரசனார் - உயிர் வெல்லமோ, மனத்தாய்மை
பெருஞ்சித்திரனார் - அஞ்சாதீர், மொழி இனம் நாடு, பட்டுக்கோட்டை
கல்யாணசுந்தரனார் - வருங்காலம் உண்டு, உழைக்காமல் சேர்க்கும் பணம்.
இலக்கணம் - எழுத்து
இலக்கிய வரலாறு - மூன்றாம் பாகம் - தண்டமிழ்த் தொண்டர்கள்

அலகு - 3

(12 மணிநேரம்)

- சுரதா - நல்ல தீர்ப்பு
கண்ணதாசன் - ஒரு பாணையின் கதை
அப்துல் ரகுமான் - வீடு
மேத்தா - ஒரே குரல்
இலக்கிய வரலாறு - மூன்றாம் பாகம் - இருபதாம் நூற்றாண்டு
இலக்கியவளர்ச்சி
சிறுகதை - முதல் ஐந்து சிறுகதைகள்

அலகு - 4 : அரசியல் கவிதைகள்

(12 மணிநேரம்)

- ஈரோடு தமிழன்பன் - அகல் விளக்காக இரு
ஆதவன் தீட்சண்யா - இன்னும் இருக்கும் சுவர்களின் பொருட்டு

சுகிர்தராணி	- என் கண்மணியே இசைப்பிரியா
சக்தி ஜோதி	- யுகாந்திர உறக்கம்
பழநிபாரதி	- வெள்ளைக்காகிதம்
லிவிங் ஸ்மைல் வித்யா	- நினைவில் பால்யம் அழுத்தம்
இலக்கணம்	- சொல்

அலகு - 5 அயலகக் கவிதைகள்

(12 மணிநேரம்)

ஓசே ரிசால்	- விடைகொடு என் தாய் மண்ணே
ஹைபுன் கவிதைகள்	- அறுவடை நாளின் மழை (மூன்று கவிதைகள்)
சிறுகதை	- ஆறு முதல் பத்து சிறுகதைகள்
உரைநடை	- நான்கு முதல் ஆறு கட்டுரைகள்

பாட நூல்கள்

1. பொதுத்தமிழ், செய்யுள் திரட்டு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021
2. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பத்தாம் பதிப்பு, 2017
3. நற்றமிழ்க் கோவை (கட்டுரைத் தொகுப்பு). தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021
4. சிறுகதைத் தொகுப்பு - ஒவ்வொரு கல்வியாண்டிற்கும் ஒவ்வொரு சிறுகதைத்தொகுப்பு
5. (2021-2022 கல்வியாண்டுக்கு மட்டும்): நல்லாசிரியர், சிறுகதைத் தொகுப்பு, - தமிழாய்வுத்துறை, நியூ செஞ்சரி புக் ஹவுஸ், சென்னை, முதற்பதிப்பு, 2021

Relationship matrix for Course outcomes, Programme outcomes / Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
I	21UTA11GL01	General Tamil -I									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	1	2	2	3	3	3	2	3	2	2.3	
CO-2	2	1	2	2	2	3	2	2	2	2	2.0	
CO-3	2	1	2	2	3	3	3	2	3	2	2.3	
CO-4	1	2	1	2	2	3	2	2	3	2	2.0	
CO-5	1	1	2	2	3	3	3	2	3	2	2.2	
Mean overall Score											2.16 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UFR11GL01	FRENCH – I	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	recall and spell the alphabets, numbers, colours, days of the week and months in French.	K1
CO–2	compare the definite and indefinite articles and its usages.	K2
CO–3	construct simple phrases by using ‘er’ verbs in present tense.	K3
CO–4	make use of correct terminology and introduce oneself in French.	K3
CO–5	distinguish between affirmative and negative phrases and take part in role play - conversation.	K4

Unit – I (12 hours)

TITRE: BONJOUR CA VA ?

GRAMMAIRE : Les pronoms personnels sujets, les articles définis et indéfinis, Etre et avoir (verbes auxiliaires)

LEXIQUE : Saluer, Entrer en contact, demander et dire comment ça va ?, L’alphabet, les couleurs, les pays et les nationalités, les animaux domestiques.

PRODUCTION ORALE : Epeler son nom et son prénom, Comprendre des personnes qui se saluent.

PRODUCTION ECRITE : Les formules de politesse

Unit – II (12 hours)

TITRE: SALUT ! JE M’APPELLE AGNES

GRAMMAIRE : La conjugaison du 1^{er} groupe, les adjectifs possessifs, la formation du féminin, la formation du pluriel.

LEXIQUE : Se présenter, Présenter quelqu’un, Remercier, Les jours de la semaine, les mois de l’année, les nombres de 0 à 69, la famille

PRODUCTION ORALE : Comprendre des informations essentielles

PRODUCTION ECRITE : Présentez –vous

Unit - III (12 hours)

TITRE: QUI EST-CE ?

GRAMMAIRE : La phrase interrogative : Qu’est-ce que... ?/Qu’est-ce que c’est ?/Qui est-ce ?, quelques indicateurs du temps, la formation du féminin, les verbes aller et venir

LEXIQUE : Demander et répondre poliment, les professions

PRODUCTION ORALE : Parler de ses projets

PRODUCTION ECRITE : Ecrire de brefs messages

Unit - IV (12 hours)

TITRE: DANS MON SAC, J’AI ?

GRAMMAIRE : la phrase négative, c’est/il est, les articles contractes, les pronoms personnels toniques

LEXIQUE : Demander des informations personnelles, Quelques objets, la fiche d’identité, les nombres à partir de 70

PRODUCTION ORALE : Comprendre un message sur un répondeur téléphonique

PRODUCTION ECRITE : Remplir une fiche d'identité

Unit - V

(12 hours)

TITRE:IL EST COMMENT? / ALLO?

GRAMMAIRE : les adverbes interrogatifs, les prépositions de lieu, les verbes du deuxième groupe, le verbe faire

LEXIQUE : Parler au téléphone, décrire quelqu'un, l'aspect physique, le caractère

PRODUCTION ORALE : Un jeu de rôle – la conversation téléphonique

PRODUCTION ECRITE : Décrivez votre aspect physique et votre caractère en quelques lignes

Book for Study

P. Dauda, L.Giachino and C.Baracco, *Generation AI*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *Echo AI*, CLE International, 2^eedition, 2017
2. Régine Mérieux and Yves Loiseau, *Latitudes AI*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers,2011

Web Resources

1. <https://www.wikihow.com/Pronounce-the-Letters-of-the-French-Alphabet>
2. <https://français.lingolia.com/en/grammar/tenses/le-present>
3. <https://www.lawlessfrench.com/grammar/articles/>
4. <https://www.frenchpod101.com/french-vocabulary-lists/10-lines-you-need-for-introducing-yourself>
5. <https://www.tolearnfrench.com/exercices/exercice-french-2/exercice-french-3295.php>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
I	21UFR11GL01	FRENCH – I									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	1	2	3	2	3	2	1	2	3	2.2	
CO-2	3	3	3	2	2	2	1	2	2	3	2.3	
CO-3	3	1	2	3	2	3	2	1	2	2	2.1	
CO-4	2	2	3	2	1	3	2	1	2	3	2.1	
CO-5	3	2	3	2	2	3	2	2	3	2	2.4	
Mean overall Score											2.22 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UHI11GL01	HINDI- I	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, students will be able to	
CO -1	list out the literary works in Hindi during the period of 12th century in India.	K1
CO -2	compare the vocabulary & expressions related to day-to-day conversation.	K2
CO -3	use simple Phrases from English to Hindi.	K3
CO -4	investigate the values of Indian society & summarize the duties of a citizen for his/her country.	K4
CO -5	identify the sentences in Hindi using basic grammar.	K4

Unit - I (12 Hours)

Dr. Abdul Kalam
Ling
Kabir Ke Dohe
Baathcheeth - Aspathal mein
Adhikal - Namakarn

Unit - II (12 Hours)

Vachan Badaliye
Thulasi ke Dohe
Adhikal - Samajik Paristhithiyam
Moun Hee Mantra Hai

Unit - III (12 Hours)

Sangya
Soordas ke Pad
Baathcheeth - Hotel mein
Adhikal - Sahithyik Paristhithiyam

Unit - IV (12 Hours)

Sarvanam
Rahim ke Dohe
Bathcheeth - Kaksha mein
Adhikal - Salient Features, Main Divisions

Unit - V**(12 Hours)**

Anuvad - 1
 Visheshan
 Bihari - Dohe
 Bathcheeth - Kariyalay mein
 Adhikal - Visheshathayem

Books for Study

1. M.kamathaprasad Gupth, *Hindi Vyakaran*, Anand Prakashan, Kolkatta,2020.
Unit-I Chapters 2 and 3
2. Viswanath Tripaty, *Kuchh Kahaniyan*, Rajkamal Prakashan Pvt. Ltd, New Delhi,2018.
Unit-II, III and IV Chapters 4 and 5
3. Dr. Sanjeev Kumar Jain, *Anuwad: Siddhant Evam Vyavhar*, Kailash Pustak Sadan, Madhya Pradesh 2019.
Unit-V Chapter 1

Books for Reference

1. Dr.A.P.J.Abdul Kalam, *Mere sapnom ka Bharath*, Prabath Prakashan, Noida, 2020,
2. Lakshman prasad singh, *Kavya ke sopan*, Bharathy Bhavan Prakashan, 2017.
3. Aravind Kumar, *Sampoorna Hindi Vyakaran our Rachana*, Lucent publisher, 2019.
4. *Adhunik Hindi Vyakaran our Rachana*, bharati bhawan publishers & distributors, 2018.
5. Acharya ramchandra shukla, *Hindi Sahitya Ka Itihas*, Prabhat Prakashan, 2021.

Web Resources

1. <https://youtu.be/LrdrcP2oiyU>
2. <https://youtu.be/Cib2FNv8KyA>
3. <https://youtu.be/aXARykpYCxA>
4. <https://youtu.be/RUDFis-tdg4>
5. <https://youtu.be/upivTmLTPQA>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credits
I	21UHI11GL01	HINDI - I									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	2	3	1	3	1	3	3	2	2.3	
CO-2	2	2	3	3	1	3	2	3	3	2	2.4	
CO-3	3	2	2	1	2	3	2	3	2	3	2.3	
CO-4	3	2	1	3	2	3	2	3	3	2	2.4	
CO-5	2	3	3	2	3	2	3	3	3	1	2.5	
Mean Overall Score											2.38 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21USA11GL01	SANSKRIT - I	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remember and Recall words relating to objects.	K1
CO-2	understand classified vocabulary.	K2
CO-3	apply nouns and verbs.	K3
CO-4	analyze different forms of names and verbs.	K4
CO-5	appreciate the good saying of Sanskrit Improve the self-values.	K5

Unit - I (12 Hours)
Samyakthakshatra pada paricaya

Unit - II (12 Hours)
Vartmanakala prayogaha

Unit - III (12 Hours)
Samskruta varathamana kalaha

Unit - IV (12 Hours)
Shadha priyoghaa aakaarnta ikaraantha ukarantha

Unit - V (12 Hours)
Subhashitani manoharani Dasaslokani

Book for Study

Shaptamanjari , K.M., Saral Snakrit Balabodh , Bharathiya Vidya Bhavan , Munushimarg
Mumbai – 4000 007 2018, 2019

Books for Reference

1. Kulapathy , K.M., Saral Snakrit Balabodh , Bharathiya Vidya Bhavan , Munushimarg
Mumbai – 4000 007 2018
2. R.S.Vadhar & Sons , Book – Sellers and publishers , Kalpathi.Palgahat 678003, Kerala
South India , Shabdha Manjari 2019
3. Balasubramaniam R, Samskrita Akshatra Siksha , Vangals Publications, 14th Main road
JP Nagar , Bangalore – 78

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
I	21USA11GL01	SANSKRIT- I									4	3
Course Outcomes ↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	1	1	3	2	3	2	3	2	2	2.2	
CO-2	2	2	3	3	1	2	2	3	3	2	2.3	
CO-3	3	2	2	2	2	2	2	3	3	2	2.3	
CO-4	3	2	2	3	2	3	3	3	2	2	2.3	
CO-5	3	2	3	2	3	2	2	3	3	3	2.6	
Mean Overall Score											2.34	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEN12GE01	GENERAL ENGLISH - I	5	3

CO No.	CO-Statements	Cognitive Levels (K- Levels)
	On successful completion of this course, students will be able to	
CO-1	recall what they observe and experience	K1
CO-2	arrange different parts of a text in a coherent manner	K2
CO-3	examine the underlying meaning in a text	K3
CO-4	analyse and evaluate letters regarding the use of appropriate language and format	K4 & K5
CO-5	use conversational English to communicate with friends	K6

Unit-I

(15 Hours)

01. Personal Details
02. Positive Qualities
03. Listening to Positive Qualities
04. Relating and Grading Qualities
05. My Ambition
06. Abilities and Skills
07. Self-Improvement Word Grid
08. What am I Doing?
09. What was I Doing?
10. Unscramble the Past Actions
11. What did I Do Yesterday?

Unit-II

(15 Hours)

12. Body Parts
13. Actions and Body Parts
14. Value of Life
15. Describing Self
16. Home Word Grid
17. Unscramble Building Types
18. Plural Forms of Naming Words
19. Irregular Plural Forms
20. Plural Naming Words Practice
21. Whose Words?

Unit-III

(15 Hours)

22. Plural Forms of Action Words
23. Present Positive Actions
24. Present Negative Actions
25. Un/Countable Naming Words
26. Recognition of Vowel Sounds

- 27. Indefinite Articles
- 28. Un/Countable Practice
- 29. Match the Visual
- 30. Letter Spell-Check
- 31. Drafting a Letter

Unit-IV

(15 Hours)

- 32. Friendship Word Grid
- 33. Friends' Details
- 34. Guess the Favourites
- 35. Guess Your Friend
- 36. Friends as Guests
- 37. Introducing Friends
- 38. What are We Doing?
- 39. What is (S)He / are They Doing?
- 40. Yes / No Question
- 41. What was S/He Doing?
- 42. Names and Actions
- 43. True Friendship
- 44. Know Your Friends
- 45. Giving Advice/Suggestions
- 46. Discussion on Friendship
- 47. My Best Friend

Unit-V

(15 Hours)

- 48. Kinship Words
- 49. The Odd One Out
- 50. My Family Tree
- 51. Little Boy's Request
- 52. Occasions for Message
- 53. Words Denoting Place
- 54. Words Denoting Movement
- 55. Phrases for Giving Directions
- 56. Find the Destination
- 57. Giving Directions Practice
- 58. SMS Language
- 59. Converting SMS
- 60. Writing Short Messages
- 61. Sending SMS
- 62. The Family Debate
- 63. Family Today

Book for Study

Joy, J.L., and Peter, F.M. *Let's Communicate 1*. New Delhi, Trinity P, 2014.

Books for Reference

1. Ahrens, Sönke. *How to Take Smart Notes: One Simple Technique to Boost Writing, Learning and Thinking*. New York: Create Space, 2017.
2. Aspinall, Tricia. *Test Your Listening*. London: Pearson, 2002.
3. Bailey, Stephen. *Academic Writing: A Practical Guide for Students*. New York: Routledge, 2004.

4. Fitikides, T.J. *Common Mistakes in English* (6th ed.). London: Longman, 2002.
5. Wainwright, Gordon. *How to Read Faster and Recall More: Learn the Art of Speed Reading with Maximum Recall* (3rd ed.). Oxford: How to Books, 2007.

Web Resources

1. <https://learnenglish.britishcouncil.org/>
2. <https://oneminuteenglish.org/en/best-websites-learn-english/>
3. <https://www.dailywritingtips.com/best-websites-to-learn-english/>

Relationship Matrix for Course Outcomes, Programme Outcomes, and Programmes Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
I	21UEN12GE01	GENERAL ENGLISH – I									5	3
Course Outcome (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO -1	2	3	2	2	3	2	3	2	3	2	2.4	
CO -2	2	2	3	2	3	3	2	3	2	2	2.3	
CO -3	2	3	2	3	2	2	3	2	3	2	2.4	
CO -4	2	2	3	2	3	3	2	3	2	3	2.5	
CO -5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEC13CC01	CORE – 1: MICROECONOMICS-I	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the fundamental concepts, principles, motives and behavior of an individual and firm.	K1
CO–2	explain the scope and methodology of Microeconomics.	K2
CO–3	interpret the distinguishing features of Micro and Macroeconomics, Cardinal utility and Ordinal Utility.	K3
CO–4	analyse Consumer’s Equilibrium, Producer’s Equilibrium, Production function and Returns to scale.	K4
CO–5	explain Cost functions, Revenue functions and Profit estimation	K4

Unit – I: Scope and Methodology of Microeconomics (21 Hours)

Meaning – Difference between Micro and Macroeconomics - Definition of Economics – Adam Smith - Marshall - Robbins -- Samuelson - Modern Microeconomics: Importance and Limitations - Methodology of Economics - Deductive and Inductive Methods - Static and Dynamics - Economic Laws.

Unit – II: Theory of Consumer Behaviour - Cardinal Utility Analysis (21 Hours)

Concept of Utility: Cardinal Utility - Ordinal Utility - Law of Diminishing Marginal Utility - Law of Equi-Marginal utility - Concepts of Demand and Supply -Law of Demand - Law of Supply - Elasticity of Demand - Price Elasticity of Demand - Income Elasticity of Demand - Cross Elasticity of Demand - Measurement of Elasticity of Demand - Factors influencing Elasticity of Demand - Concept of Demand Forecasting - Consumer’s Surplus– Applications of Consumer’s Surplus.

Unit – III: Theory of Consumer Behaviour - Ordinal Utility Analysis (21 Hours)

Indifference curve Technique - Features of Indifference curve - Consumer’s Equilibrium - Price effect - Income effect - Substitution effect - Samuelson’s Revealed Preference Theory.

Unit – IV: Theory of Production (21 Hours)

Factors of Production - Features - Production Function – Cobb-Douglas Production Function – Long-Run Production Theory: Law of Diminishing Returns, Law of Increasing Returns and Law of Constant Returns – Short- run Production Theory: Law of Variable Proportions - Returns to Scale - Equal Product Curves - Principle of DMRTS - Producer’s Equilibrium:

Internal and External Economies and Diseconomies of Scale of Production – Role of Technology in Production.

Unit – V: Cost and Revenue Curves (21 Hours)

Concepts of Cost: Fixed cost -Variable cost -Total cost - Average cost - Marginal cost - Average cost curves - Nature of Short run and Long run Average cost curves - Derivation of LAC curve - Revenue Concepts - Total Revenue - Average Revenue and Marginal Revenue curves under different Market Structures - Relationship between Average Revenue and Marginal Revenue – Break-even analysis.

Case study: Consumer’s preference about various goods and the estimation of consumer surplus if any.

Books for Study

1. S.Sankaran - *Economic Analysis*, Margham Publications, Madras, 2017
2. Salvatore - *Micro Economics*, 4/e, OUP, New Delhi, 2019.

Books for Reference

1. Ahuja H.L. (2018) - *Principles of Micro Economics*, A New Look at Economic Theory, S.Chand, New Delhi.
2. Dewett K.K - *Micro Economics*, S.Chand, New Delhi, 2019.
3. Jhingan M.L, (2018) *Micro Economic Theory*, Konark, New Delhi.

Relationship matrix for Course Outcomes, Programme Outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
I	21UEC13CC01	CORE-1: MICROECONOMICS-I									7	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	2	3	2.2	
CO-2	2	3	2	1	2	3	3	2	2	3	2.3	
CO-3	1	2	3	2	3	2	3	2	3	2	2.3	
CO-4	1	2	2	3	1	2	3	2	2	3	2.1	
CO-5	1	2	2	2	3	1	3	2	2	3	2.1	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEC13CC02	CORE – 2: INDIAN ECONOMIC DEVELOPMENT - I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	remember the basic concepts of Indian economy.	K1
CO–2	understand the availability of natural resources of India.	K2
CO–3	apply the factors involved in HDI to attain the phase of development.	K3
CO–4	apply suitable measures to resolve the problems of poverty and unemployment.	K3
CO–5	analyse the functions of NITI Aayog.	K4

Unit – I: Characteristic Features of Indian Economy (18 Hours)

British Rule – Impact on Indian Economy - Characteristic Features of Indian Economy – Socialistic Pattern of Society – Meaning of Development and Growth – Sustainable Development Goals (SDGs).

Unit – II: Natural Resources (18 Hours)

Natural Resources: Land - Water - Forest – Minerals – Fisheries – Recent Policies of Indian Government.

Unit – III: Human Resources (18 Hours)

Demographic Features: size and growth rate of population - Sex composition - Age composition – Demographic Dividend - Density – Urbanization – Migration – Population Policy - Human Development Index (HDI).

Unit-IV: Unemployment and Poverty in India (18 Hours)

Meaning and causes of unemployment and poverty in India - Measures taken by the Government to solve unemployment and poverty – Food security – Food inflation - PDS – Nutritional security - Nutritious Noon-Meal Scheme - PURA (Vision 2020) – MGNREGP (Mahatma Gandhi National Rural Employment Guarantee Programme).

Unit-V Planning Commission and NITI Aayog in India (18 Hours)

Economic Planning - Meaning and significance of planning - Planning strategies of India - Broad objectives, Achievements and Failures of Planning – NITI Aayog - Structure and Functions.

Books for Study

1. Ruddar Datt and Sundharam K.P.M., *Indian Economy* (73rd Edition), Sultan Chand, New Delhi, 2020.
2. Uma Kapila, *Indian Economy*, 9th Edition, ISBN:8171887902, Published by Academic Foundation, 2010.

Books for References

1. Gaurav Datt & Ashwani Mahajan, *Indian Economy* (72nd Edition), S. Chand, New Delhi, 2018.
2. Dhingra I.C, *Indian Economy* (28th Edition), Sultan Chand & Co., New Delhi, 2014.
3. Ishwar.C.Dhingra, *The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
4. Mishra & Puri - *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
5. Meier, G.M. *Leading Issues in Economic Development*, O U P, New Delhi, 6th edition, 1995.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course					Hours	Credits			
I	21UEC13CC02	Core-2: Indian Economic Development- I					6	4			
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	2	2	2	3	3	2	2	3	2.3
CO-2	2	3	2	1	2	2	2	2	2	3	2.1
CO-3	1	2	2	2	3	2	3	2	2	3	2.0
CO-4	1	2	3	2	3	2	3	2	3	2	2.3
CO-5	1	2	2	3	2	2	3	2	2	3	2.2
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEC13AC01	ALLIED: MATHEMATICAL METHODS IN ECONOMICS – I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the basic concepts related to mathematics, symbols, numbers and equations.	K1
CO–2	interpret economic relationships through research problems.	K2
CO–3	use the analytical skills and forecasting techniques to quantify the economic problems.	K3
CO–4	apply the microeconomic theories to the practical household problems.	K3
CO–5	analyze the relationship between the variables and nature of relationship.	K4

Unit – I: Set Theory (18 Hours)

Importance of Mathematical methods in Economics - functions and their properties - Notations of Set - Types of Set - Venn diagram - Laws of Set - Operations in Set - Application in Economics.

Unit – II: Straight Line (18 Hours)

Slope – Intercept - Equations of Straight Line - Parallel Lines - Perpendicular lines - Point of intersection of two lines - Application of straight lines in Economics: Supply line - Demand line - Determination of equilibrium price and quantity - elasticity of demand.

Unit – III: Differentiation (18 Hours)

Process and Rules of Differentiation - Differentiation in polynomials x^n , $(ax+b)^2$; $\log x$, e^x , differential coefficient of sum, difference, product, quotient and power - Successive differentiation - Partial derivative - Given $U = f(x,y)$ and $U = f(x,y,z)$ - Higher order partial derivatives – Maxima and Minima with single variable.

Unit – IV: Application of Differentiation in Economics (18 Hours)

Marginal utility, cost and revenue curve applications - Marginal Revenue (MR) and Marginal Cost (MC) - Revenue maximization and Cost minimization.

Unit – V: Integral Calculus and its Applications in Economics (18 Hours)

Rules of Integration - Definite integral – Application in Economics – Total Revenue and Cost Concepts, Consumer’s surplus and Producer’s surplus.

Books for Study

1. *Schaum's Outline of Introduction to Mathematical Economists*, 3rd Edition, Edward Dowling, McGraw-Hill Education, 2011.
2. Bose, D. *An introduction to Mathematical Economics*, Himalaya Publishing House, Mumbai, 2010.

Books for Reference

1. Arul Jeganatharaj D, Gnanasekaran G and Stanly P, *Mathematics for Beginners*, Tiruchirappalli, 1989.
2. Agarwal C.S and. Joshi R.C, *Mathematics for Economists*, the New Academic Publishing Jalandhar, 1983.
3. K. Sydsaeter and P. Hammond, *Mathematics for Economic Analysis*, Pearson Educational Asia, Delhi, 2002.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
I	21UEC13AC01	Allied:Mathematical Methods in Economics-I									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	1	1	3	3	2	2	2.2	
CO-2	3	3	2	3	1	1	2	3	2	1	2.3	
CO-3	2	3	3	3	1	1	2	3	2	3	2.3	
CO-4	3	3	3	3	2	3	3	2	2	1	2.3	
CO-5	3	3	2	2	1	2	3	2	3	3	2.4	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UHE14VE01	ESSENTIALS OF HUMANITY	2	1

CO No	CO – Statements	Cognitive Levels (K- levels)
	On completion of this course, the graduates will be able to:	
CO-1	recall the prescribed values and their dimensions	K1
CO-2	examine themselves by learning the developmental changes happening in the course of their life time	K2
CO-3	apply the trained values in their day today life	K3
CO-4	analyze themselves as responsible men and women	K4
CO-5	create a constructive approach to life	K5 & K6

Unit-I Principles of Value Education

(6 Hours)

Introduction to values - Characteristics and Roots of Values - Value Education & Value Clarification - Moral Characters - Kinds of Values - Objectives of Values.

Unit-II The Development of Human Personality

(6 Hours)

Personality: Introduction, Theories, Integration & Factors influencing the development of personality - SEL Series - Discovering self - Defense Mechanism - Power of positive thinking - Why worry?

Unit-III The Dimensions of Human Development

(6 Hours)

Areas of Development: Physical, Intellectual, Emotional, Social Development, Moral & Spiritual development

Unit-IV Responsible Parenthood

(6 Hours)

Human sexuality - Marriage and Family - Sex and Love - Characteristics of Responsible parent - Causes of Marriage disharmony - Art of wise parenting.

Unit-V Gender Equality and Empowerment

(6 Hours)

Historical perspective - Women in Independence struggle - Women in Independent India - Education & Economic development - Crimes against Women - Women rights - Time-line of Women Achievements in India

Books for Study

Department of Human Excellence. *Essentials of Humanity*, St. Joseph's College, Tiruchirappali-02, 2021.

Books for Reference

1. Alphonse Xavier Dr SJ. *You Shall Overcome*, (6th Ed.) Chennai: ICRDCE Publication, 2012.
2. Alex K. *Soft Skills*, New Delhi: S. Chand, 2009.
3. Kalam Abdul APJ. *You Are Unique*, Bangalore: Punya Publishing, 2012.

Web Sources:

<http://livingvalues.net>. Accessed 05 Mar. 2021.

<https://www.apa.org/topics/personality#>. Accessed 05 Mar. 2021.

<https://www.peacecorps.gov/educators/resources/global-issues-gender-equality-and-womens-empowerment/>. Accessed 05 Mar. 2021.

Semester	Course Code	Title of the Course	Hours	Credits
II	21UTA21GL02	General Tamil -II	4	3

CO No.	CO- Statement	Cognitive Level (K- level)
இப்பாடத்தின் நிறைவில் மாணவர்கள்		
CO-1	தமிழிலக்கிய வரலாற்றில் சைவ, வைணவ இலக்கியங்கள் பெறும் இடத்தை அறிந்துகொள்வர்	K 1
CO-2	அகப்பொருள், புறப்பொருள் இலக்கணங்களின் அடிப்படை அறிவைப் பெறுவர்.	K 1
CO-3	காப்பியச் சுவையை மாணவர்கள் புரிந்துகொள்வர்	K 2
CO-4	இஸ்லாமிய இலக்கியச் சிந்தனைகளைப் பெறுவர்	K 3
CO-5	கிறித்தவ மதிப்பீடுகளைச் சிற்றிலக்கிய வகைகளின் வழியாகத் திறனாய்வார்.	K 4

அலகு - 1

(12 மணிநேரம்)

- சிலப்பதிகாரம் - கனாத்திறம் உரைத்த காதை
மணிமேகலை - ஆபுத்திரன் திறம் அறிவித்த காதை
இலக்கிய வரலாறு - சைவம் வளர்த்த தமிழ் முதல் புராணங்கள் முடிய.
இலக்கணம் - அகப்பொருள் இலக்கணம்

அலகு - 2

(12 மணிநேரம்)

- திருவாசகம் - திருச்சாழல்
சிவவாக்கியார் பாடல்கள் - 25 பாடல்கள் (04, 14, 16, 22, 27, 33, 34, 35, 36,37, 38, 47, 81, 91, 225, 237, 242, 495, 504, 520,522, 533, 534, 536, 548.)

அலகு - 3

(12 மணிநேரம்)

- நாலாயிர திவ்வியப் பிரபந்தம்- அமலானாதிபிரான் (10 பாடல்கள்)
- பெருமாள் திருமொழி (11 பாடல்கள்)
கம்பராமாயணம் - கைகேயி சூழ்வினைப்படலம்
உரைநடை - 7 முதல் 9 முடிய உள்ள கட்டுரைகள்

அலகு - 4

(12 மணிநேரம்)

- சீறாப்புராணம் - உடும்பு பேசிய படலம்
இலக்கணம் - புறப்பொருள் இலக்கணம்
இலக்கிய வரலாறு - தமிழ் இலக்கண நூல்கள் முதல் சிற்றிலக்கியங்கள் முடிய

அலகு - 5

(12 மணிநேரம்)

- திருக்காவலூர்க் கலம்பகம் - சமூக உல்லாசம்
உரைநடை - 10 முதல் 12 வரையிலான கட்டுரைகள்

பாடநூல்கள்:

1. பொதுத்தமிழ் - செய்யுள் திரட்டு, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் கல்லூரி. திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021
2. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பத்தாம் பதிப்பு, 2017
3. நற்றமிழ்க் கோவை (கட்டுரைத் தொகுப்பு). தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021

Semester	Course Code	Title of the Course									Hours	Credit
II	21UTA21GL02	General Tamil -II									4	3
Course Outcomes (Cos)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	1	2	3	2	2	2	3	2	2.1	
CO-2	2	1	2	2	3	3	2	2	3	2	2.2	
CO-3	2	1	2	2	3	3	2	2	3	2	2.2	
CO-4	1	1	2	2	3	3	2	2	3	2	2.1	
CO-5	1	1	2	2	3	2	2	3	3	2	2.1	
Mean Overall Score											2.14 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UFR21GL02	FRENCH – II	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	relate pronominal verbs in expressing one’s day today activity.	K1
CO–2	compare the different types of articles.	K2
CO–3	construct texts using pronouns – passages and dialogues.	K3
CO–4	discover the food habits of the French culture.	K4
CO–5	appraise the French fashion.	K5

Unit - I (12 hours)

TITRE:LES LOISIRS

GRAMMAIRE : les adjectifs interrogatifs, les nombres ordinaux, les verbes pronominaux

LEXIQUE : les différentes activités quotidiennes,les loisirs, les activités quotidiennes, les matières

PRODUCTION ORALE : parler sur votre passe-temps

PRODUCTION ECRITE : décrire sa journée

Unit -II (12 hours)

TITRE:LA ROUTINE

GRAMMAIRE : les pronoms personnels COD, les verbes du premier groupe en e/er/eler/eter, le verbe prendre

LEXIQUE : exprimer ses goûts et ses préférences, le temps, l’heure, la fréquence

PRODUCTION ORALE : savoir comment dire l’heure

PRODUCTION ECRITE : écrire vos préférences en quelques lignes

Unit - III (12 hours)

TITRE:OU FAIRE SES COURSES?

GRAMMAIRE : les articles partitifs, le pronom en (la quantité), très ou beaucoup

LEXIQUE : inviter et répondre à une invitation, les commerces et les commerçants, demander et dire le prix, les quantités

PRODUCTION ORALE : faire des courses pour une soirée

PRODUCTION ECRITE : écrire un message en acceptant l’invitation

Unit - IV (12 hours)

TITRE:DECOUVREZ ET DEGUSTEZ

GRAMMAIRE : l’impératif, il faut, les verbes devoir, pouvoir, savoir,vouloir

LEXIQUE : Commander et commenter sur un plat de la carte,les aliments, les services, les moyens de paiement

PRODUCTION ORALE : Jeu de rôle – au restaurant (entre vous et le garçon)

PRODUCTION ECRITE : faire une comparaison avec la carte française et indienne

Unit - V (12 hours)

TITRE:TOUT LE MONDE S’AMUSE/ LES ADOS AU QUOTIDIEN

GRAMMAIRE : les adjectifs démonstratifs, le pronom indéfini on, le futur proche, le passé composé, les verbes en –yer, voir et sortir

LEXIQUE : connaître les marques connues sur les vêtements, les sorties, situer dans le temps, les vêtements et les accessoires

PRODUCTION ORALE : décrire une tenue
 PRODUCTION ECRITE : écrire une lettre amicale, une carte postale

Book for Study

P.Dauda,L.Giachino and C.Baracco, *Generation AI*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *Echo AI*, CLE International, 2^eedition,2017
2. Régine Mérieux and Yves Loiseau, *Latitudes AI*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers, 2011

Web Resources

1. <https://www.frenchtoday.com/blog/french-verb-conjugation/french-reflexive-verbs-list-exercises/>
2. <https://www.fluentu.com/blog/french/french-subject-pronouns/>
3. <https://grammarist.com/french/french-partitive-article/>
4. <https://www.talkinfrench.com/guide-french-food-habits/>
5. <https://www.fluentu.com/blog/french/talking-about-clothes-in-french/>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
II	21UFR21GL02	FRENCH – II									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	3	3	3	1	3	1	2	2	2	2.2	
CO-2	2	1	2	3	2	3	1	2	2	2	2.0	
CO-3	3	2	3	2	2	3	3	1	3	2	2.4	
CO-4	3	2	2	1	3	3	3	1	1	3	2.2	
CO-5	2	1	2	2	3	3	3	2	2	2	2.2	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UHI21GL02	HINDI - II	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, students will be able to	
CO -1	Find out the Terms & Expressions related to letter writing	K1
CO -2	Explain the works of Hindi writers	K2
CO -3	Complete the sentences in Hindi using basic grammar	K3
CO -4	Analyze the social & political conditions of Devotional period in Hindi Literature	K4
CO -5	Justify the human values stressed on the works of the following authors “Premchand, Nirala, etc.”	K5

Unit - I (12 Hours)

Kafan
Letter Writing - Chutti Patra
Bakthikal - Namakarn
Sarkari kariyalayom ka naam

Unit - II (12 Hours)

Baathcheeth - Dookan mein
kriya
Letter Writing - Rishthedarom ko patra
Bakthikal - Samajik Paristhithiyam

Unit - III (12 Hours)

Vah Thodthi patthar
Adverb
Letter Writing - Naukari keliye Avedan Patra
Bakthikal - Sahithiyik Paristhithiyam

Unit - IV (12 Hours)

Mukthi
Samas
Letter Writing - Kitab Maangne Keliye Patra
Bakthikal - Salient Features, Main Divisions

Unit- V**(12 Hours)**

Anuvad - 2

Sandhi

Letter writing - Nagarpalika ko Patra

Bakthikal - Visheshathayem

Books for Study1. Viswanath Tripaty, *Kuchh Kahaniyan*, Rajkamal Prakashan Pvt. Ltd, New Delhi, 2018.**Unit-I** Chapter 12. M.kamathaprasad Gupt, *Hindi Vyakaran*, Anand Prakashan, Kolkatta, 2020.**Unit-II, III and IV** Chapter 23. Dr.Sadananth Bosalae, *kavya sarang*, Rajkamal Prakashan, New Delhi, 2020.**Unit-V** Chapter 4**Books for Reference**

1. Adhunik Hindi Vyakaran our Rachana, bharati bhawan publishers & distributors, 2018.

2. Acharya ramchandra shukla, *Hindi Sahitya Ka Itihas*, Prabhat Prakashan, 2021.3. Krishnakumar Gosamy, *Anuvad vigyan ki Bhumika*, Rajkamal Prakashan, 2016.4. Aravind Kumar, *Sampoorna Hindi Vyakaran our Rachana*, Lucent publisher, 2019.5. Lakshman prasad singh, *Kavya ke sopan*, Bharathy Bhavan Prakashan, 2017.**Web Resources**1. <https://youtu.be/tE2RHQcqlbI>2. <https://youtu.be/Xxvco3qa284>3. <https://youtu.be/1z8x95IFGi4>4. <https://youtu.be/CBMYf8NRLW4>5. <https://youtu.be/h31tMLFtHs>**Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes**

Semester	Course Code	Title of the Paper									Hours	Credits
II	21UHI21GL02	HINDI - II									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	3	2	2	3	3	3	2	2	2.5	
CO-2	1	3	1	2	2	3	3	3	2	3	2.3	
CO-3	3	2	3	2	2	3	2	3	2	2	2.4	
CO-4	2	3	3	1	3	2	3	2	1	2	2.2	
CO-5	3	2	2	2	3	2	3	2	3	2	2.4	
Mean Overall Score											2.36	
											(High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21USA21GL02	SANSKRIT - II	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remembering names of different objects , remembering different verbal forms and sandhi.	K1
CO-2	contrast different verbal forms Explain good sayings , Relate good saying to life.	K2
CO-3	apply and build small sentences.	K3
CO-4	analyze different forms of Verbs and nouns.	K4
CO-5	appreciate subhashitas and Sanskrit poetry Expand Sanskrit vocabulary.	K5

Unit - I (12 Hours)

Asmath usmath tat kim (MFN)

Unit - II (12 Hours)

Sandhi Niyamaaha Abuyaasha (Guna , Visarga , Dirgha , Vrddhi)

Unit - III (12 Hours)

Lang lakaaraha Kriyapadaani

Unit - IV (12 Hours)

Raguvamsaha Pratama sargaha (1 –15)

Unit - V (12 Hours)

Suvachana Prayogha

Book for Study

SARALASAMKRITHAM SIKSHA, 2020 , K.M Saral sankrit Balabodh , Bharathiys Vidya Bhavan , Munshimarg Mumbai – 400007, 2018

Books for Reference

1. Paindrapuram Ashram , Srirangam – 620006 Gopalavimshanthi 2019
2. R.S.Vadhyar & Sons book Kulapthy , K.M Saral sankrit Balabodh , Bharathiys Vidya Bhavan , Munshimarg Mumbai – 400007, 2018

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
II	21USA21GL02	SANSKRIT -II									4	2
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	1	3	2	2	2	3	3	2	1	2.1	
CO-2	3	2	3	2	2	3	2	3	3	2	2.5	
CO-3	2	2	3	2	2	2	2	3	3	1	2.1	
CO-4	3	2	3	3	1	2	3	3	3	1	2.4	
CO-5	3	2	2	2	3	2	2	3	3	1	2.3	
Mean Overall Score											2.28	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEN22GE02	GENERAL ENGLISH - II	5	3

CO No.	CO-Statements	Cognitive Levels (K- Levels)
	On successful completion of this course, students will be able to	
CO-1	remember the use of suitable punctuation marks in appropriate places	K1
CO-2	describe their pictures with appropriate expressions	K2
CO-3	infer meaning from the given context	K3
CO-4	analyse real-life situations and ask open-ended questions	K4 & K5
CO-5	use polite expressions in appropriate ways	K6

Unit-I

(15 Hours)

01. Education Word Grid
02. Reading Problems and Solutions
03. Syllabification
04. Forms for Expressing Quality
05. Expressing Comparison
06. Monosyllabic Comparison
07. Di/polysyllabic Comparison
08. The Best Monosyllabic Comparison
09. The Best Di/Polysyllabic Comparison
10. Practising Quality Words

Unit –II

(15 Hours)

11. Wh Words
12. Yes/No Recollection
13. Unscramble Wh Questions
14. Wh Practice
15. Education and the Poor
16. Controlled Role Play
17. Debate on Education
18. Education in the Future
19. Entertainment Word Grid
20. Classify Entertainment Wordlist
21. Guess the Missing Letter
22. Proverb-Visual Description
23. Supply Wh Words
24. Rearrange Questions
25. Information Gap Questions

Unit-III**(15 Hours)**

26. Asking Questions
27. More about Actions
28. More about Actions and Uses
29. Crime Puzzle
30. Possessive Quiz
31. Humorous News Report
32. Debate on Media and Politics
33. Best Entertainment Source

Unit-IV**(15 Hours)**

34. Career Word Grid
35. Job-Related Wordlist
36. Who's Who?
37. People at Work
38. Humour at Workplace
39. Profession in Context
40. Functions and Expressions
41. Transition Fill-in
42. Transition Word Selection
43. Professional Qualities
44. Job Procedures
45. Preparing a Resume
46. Interview Questions
47. Job Cover Letter Format
48. Emailing an Application
49. Mock Interview

Unit-V**(15 Hours)**

50. Society Word Grid
51. Classify Society Wordlist
52. Rearrange the Story
53. Storytelling
54. Story Cluster
55. Words Denoting Time
56. Expressing Time
57. What Can You Buy?
58. Noise Pollution
59. Positive News Headlines
60. Negative News Headlines
61. Matching Conditions
62. What Would You Do?
63. If I were Elected
64. My Dream Country

Book for Study

Joy, J.L. & Peter, F.M. *Let's Communicate 2*, New Delhi: Trinity Press, 2014.

Books for Reference

1. Ahrens, Sönke. *How to Take Smart Notes: One Simple Technique to Boost Writing, Learning and Thinking*. New York: CreateSpace, 2017.
2. Aspinall, Tricia. *Test Your Listening*. London: Pearson, 2002.
3. Bailey, Stephen. *Academic Writing: A Practical Guide for Students*. New York: Routledge, 2004'
4. Fitikides, T.J. *Common Mistakes in English* (6th ed.). London: Longman, 2002
5. Wainwright, Gordon. *How to Read Faster and Recall More: Learn the Art of Speed Reading with Maximum Recall* (3rd ed.). Oxford: How to Books, 2007.

Web Resources

1. <https://learnenglish.britishcouncil.org/>
2. <https://oneminuteenglish.org/en/best-websites-learn-english/>
3. <https://www.dailywritingtips.com/best-websites-to-learn-english/>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credits
II	21UEN22GE02	GENERAL ENGLISH - II									5	3
Course Outcomes (COs)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5		
CO-1	2	3	2	2	3	2	3	2	3	2	2.4	
CO-2	2	2	3	2	3	3	2	3	2	2	2.3	
CO-3	2	3	2	3	2	2	3	2	3	2	2.4	
CO-4	2	2	3	2	3	3	2	3	2	3	2.5	
CO-5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEC23CC03	CORE – 3: MICROECONOMICS - II	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the market structure, behaviour of the producer and Equilibrium of the firm/industry	K1
CO–2	explain resource allocation on social perspective, product pricing and the Monopoly price discrimination	K2
CO–3	illustrate the concept of prevailing market structures, illusory advertisements and price leadership tending to Monopoly.	K3
CO–4	analyse Factor pricing and point out reasons for wage differential on social perspective.	K4
CO–5	connect Economic theories with concept of Social welfare.	K4

Unit – I: Theory of Product Pricing (18 Hours)

Market structure - Meaning and elements – Types - Perfect competition - Price and Output determination - Equilibrium of the firm and industry in the short-run and long-run - Role of time element.

Unit – II: Monopoly (18 Hours)

Simple Monopoly - Discriminating Monopoly - Price and Output determination under simple Monopoly - Concept of Bilateral Monopoly - Monopsony - Duopoly.

Unit – III: Monopolistic Competition & Oligopoly (18 Hours)

Features of Monopolistic Competition - Equilibrium of Firm and Industry under short-run and long- run (Group Equilibrium) - Selling cost - Oligopoly: Features – Price determination - Kinked demand curve model - Price leadership model.

Unit – IV: Theory of Factor Pricing (18 Hours)

Marginal productivity theory of distribution – Rent: Ricardian theory of rent - Modern theory of rent – Wages: Real and Nominal Wage -- Demand and supply theory - Causes for wage difference - Trade Unions and Wages – Interest: Classical – Neoclassical - Keynes and Modern theory of Interest – Profit: Gross and Net Profit - Theories of Profit - Risk and uncertainty theory - Innovation theory.

Unit – V: Welfare Economics (18 Hours)

Meaning of Social Welfare - Different concepts of Social Welfare - Pareto criteria – Amartya Sen’s views on Welfare Economics.

Case study: Undertaking surveys to know the advertisement strategies of a few leading firms in the city.

Books for Study

1. Ahuja H.L., (2019) *Principles of Micro Economics*, S.Chand, New Delhi.
2. Sankaran S, *Economic Analysis*, Margham Publications, Madras,2018

Books for References

1. Stonier and Hague, *A Text Book of Economic Theory*, (1958), Long Mans Green &Co., London.
2. Seth, M. L. (2019) *Principles of Economics*, Lakshmi Narain Agarwal, Agra.
3. Samuelson Paul, A., *Price Theory*, McGraw-Hill School Education Group.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
II	21UEC23CC03	CORE-3 MICROECONOMICS-II									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	2	3	2.2	
CO-2	2	3	2	1	2	3	3	2	2	3	2.3	
CO-3	1	2	3	2	3	2	3	2	3	2	2.3	
CO-4	1	2	2	3	1	2	3	2	2	3	2.1	
CO-5	1	2	2	2	3	1	3	2	2	3	2.1	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEC23CC04	CORE – 4: INDIAN ECONOMIC DEVELOPMENT – II	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	remember the basic concepts of various sectors in India.	K1
CO–2	understand the efficacy of Industrial Policies of India	K2
CO–3	discuss the importance of physical infrastructure	K2
CO–4	apply the social infrastructure to attain the phase of Development.	K3
CO–5	analyze the performance of various sectors in India.	K4

Unit – I: Nature and Significance of Agriculture (15 Hours)

Nature and importance of agriculture – Green revolution - Agricultural production and Productivity - Factors influencing agricultural development - Agricultural marketing - Sources of agricultural finance – Agricultural labour in India - New development concepts: Traditional farming – Organic farming - Precision farming – Corporate farming – Genetically Modified (GM) Seeds – Sustainable agriculture - Second Green revolution.

Unit – II: Industries in India (15 Hours)

Pattern of Industrialization - Industrial Policy: 1948, 1956, 1991 and recent Industrial Policy 2020 - Role of industries in economic development – Major industries: Cotton Textile industry - Iron and Steel industry and Cement industry - Role and problems of Medium, Small Scale and Cottage Industries.

Unit – III: Services Sector in India (15 Hours)

Role of Services Sector in economic development – Banking – Insurance Telecommunications – IT Industry – ITES- Education and Health – Health Tourism.

Unit – IV: Physical Infrastructure (15 Hours)

Infrastructure and economic development - Transport: Railways, Roads, Shipping and Airways –Energy - Power.

Unit – V: Economic Reforms (15 Hours)

Public Sector: Role and Importance - Private Sector - Corporate Sector - Economic Reforms and New Economic Policy 1991 - Liberalization, Privatization and Globalization – WTO-MNCs – Second Generation Reforms – Demonetisation – GST and its impact on Indian Economy.

Books for Study

1. RuddarDatt and Sundharam K.P.M., *Indian Economy* (73rd Edition), Sultan Chand, New Delhi, 2020.
2. Uma Kapila, *Indian Economy*, 9th Edition, ISBN: 8171887902, Published by Academic Foundation, 2010.

Books for References

1. Gaurav Datt & Ashwani Mahajan, *Indian Economy* (72nd Edition), S. Chand, New Delhi, 2018.
2. Dhingra I.C, *Indian Economy* (28th Edition), Sultan Chand & Co., New Delhi, 2014.
3. Ishwar.C.Dhingra, *The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
4. Mishra & Puri, *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
5. Meier, G.M, *Leading Issues in Economic Development*, OUP, New Delhi, 6th edition, 1995.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours	Credits		
II	21UEC23CC04		CORE-4: INDIAN ECONOMIC DEVELOPMENT -II					5	3		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	2	1	3	3	2	2	3	2.2
CO-2	1	2	3	2	3	2	3	2	3	2	2.3
CO-3	1	2	2	2	3	1	3	2	2	3	2.1
CO-4	2	3	2	1	2	3	3	2	2	3	2.3
CO-5	2	2	2	3	1	2	3	2	2	3	2.2
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEC23AC02	ALLIED : MATHEMATICAL METHODS IN ECONOMICS- II	6	4

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the following mathematical tools: matrices, determinants, matrix inverse, linear programming and econometrics.	K1
CO-2	associate mathematical techniques like matrices, linear programming and game theory in economic models.	K2
CO-3	predict mathematical and economic models that contribute to sustainable environment.	K3
CO-4	analyse economic relationships through research problems.	K4
CO-5	solve real life socio-economic problems by incorporating quantitative techniques.	K4

Unit – I: Progression, Relations and Functions

(18 Hours)

Ratio – Proportion – Progression - Arithmetic and Geometric Progression, Functions - types of functions – Application in Economics.

Unit – II: Matrix - I

(18 Hours)

Matrix - Meaning and types - Operation of matrix: addition, subtraction, multiplication, division – Determinant – Properties of determinant.

Unit – III: Matrix - II

(18 Hours)

Rank of matrix - Trace of matrix - Inverse: properties of inverse – Solution to linear equations - Cramer’s rule – Inverse method – Applications in Economics: Input - Output analysis (introduction and concepts alone)

Unit – IV: Linear Programming

(18 Hours)

Meaning - Basic concepts – Graphical solution to Linear Programming Problem (LPP) (only two variables) – Dual Method.

Unit – V: Introduction to Game Theory

(18 Hours)

Meaning – Concepts – Significance – Types: Pure and Mixed Strategy games – Applications and limitations of Game theory.

Books for Study

1. Agarwal, C. S. And Joshi, R. C., *Mathematics for Economists*, The New Academic, Jalandhar, 2017.

- Bose, D., *An Introduction to Mathematical Economics*, Himalaya Publishing House, Mumbai, 2018

Books for References

- Singh Parasher Singh, *An Introduction to Econometrics*, Sterling, New Delhi, 1998.
- Domodar N Gujarati, *Basic Econometrics*, Tata McGraw Hill Education, New Delhi, 2007.
- Schaum's Outline of Introduction to Mathematical Economics*, 3rd Edition, Edward Dowling, McGraw Hill Education, 2011
- Mehta and Madani, *Mathematical Economics*, S. Chand, New Delhi.
- Malcolm Pemberton Nicholas Rau, *Mathematics for Economists*, Viva Books, 2017

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
II	21UEC23AC02	ALLIED : MATHEMATICAL METHODS IN ECONOMICS II									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	1	1	2	3	2	2	2	1	1.8	
CO-2	2	2	1	2	1	2	3	3	2	1	1.9	
CO-3	3	2	2	2	1	1	2	3	2	2	2	
CO-4	3	3	2	3	1	2	2	3	2	1	2.2	
CO-5	2	2	2	2	3	1	2	2	3	2	2.1	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UHE24AE02	Environmental Studies	2	2

CO No.	CO - Statements	Cognitive Level
	On Completion of this course, the graduates will be able to:	
CO-1	identify the concepts related to the environmental global scenario	K1
CO-2	comprehend the natural resources and environmental organizations	K2
CO-3	apply the acquired knowledge to sensitize individuals and public about the environmental crisis	K3
CO-4	analyze the causes and changes in the structure of biodiversity	K4
CO-5	enhance their skills in the society by solving the environmental problems and preserving nature by the acquired knowledge	K5

Unit I Introduction to Environmental Studies (6 Hours)

Introduction – Scope and Importance – Subsystems of Earth – Various recycling Methods – Environmental Movements in India – Eco- Feminism – Public awareness – Suggestions to conserve environment

Unit II Natural Resources (6 Hours)

Food Resources – Land Resources – Forest resources – Mineral Resources – Water Resources – Energy Resources

Unit III Ecosystems, Biodiversity and Conservation (6 Hours)

General structure of ecosystem - Functions of Ecosystem - Energy flow and Ecological pyramids – Levels of Biodiversity - Hot spots of Biodiversity - Endangered and Endemic Species - Value of Biodiversity - Threats to Biodiversity - Conservation of Biodiversity

Unit IV Environmental Pollution (6 Hours)

Air Pollution – Water Pollution – Oil Pollution – Soil Pollution – Marine Pollution – Noise Pollution - Thermal Pollution – Radiation Pollution

Unit V Environmental Organizations and Treatise (6 Hours)

United Nations Environment Program (UNEP) - International treaties on Environmental protection - Ministry of Environment, Forest and Climate Change - Important National Environmental Acts and rules– Environmental Impact Assessment.

Books for Study

Department of Human Excellence, *Environmental Studies*, St. Joseph's College, Tiruchirappali-02, 2021.

Books for Reference

1. Rathor, V.S. and Rathor B. S. *Management of Natural Resources for Sustainable Development*. New Delhi: Daya Publishing House, 2013.
2. Sharma P.D, *Ecology and Environment*, 8 ed., Meerut: Rastogi Publications, 2010.
3. Agrawal, A and C.C. Gibson. *Introduction: The Role of Community in Natural Resource Conservation*. NJ: Rutgers University Press, 2001.

Web Sources:

<https://www.unep.org/>. Accessed 05 Mar. 2021.

<http://moef.gov.in/en/> Accessed 05 Mar. 2021.

<https://www.ipcc.ch/reports/>. Accessed 05 Mar.2021.

Semester	Course Code	Title of the Course	Hours	Credits
II	21UHE14VE02	TECHNIQUES OF SOCIAL ANALYSIS: FUNDAMENTALS OF HUMAN RIGHTS	2	1

CO No.	CO - Statements	Cognitive level
	On completion of this course, the graduates will be able to:	
CO-1	identify the importance and the values of human rights	K1
CO-2	understand the historical background and the development of Human Rights and the related organizations	K2
CO-3	apply the provisions of National and International human rights to themselves and the society	K3
CO-4	analyse the violations of human rights to the marginalized section in the society	K4
CO-5	animate the people to involve in the struggles and activities of the human rights organizations	K5

Unit-I Human Rights - An Introduction (6-Hours)

Introduction- Classification of Human Rights- Scope of Human Rights-Characteristics of Human Rights-NHRC-SHRC- Challenges for Human Rights in the 21st Century.

Unit-II Historical Development of Human Rights (6-Hours)

Human Rights in Pre-World War Era- Human Rights in Post-World War Era- Evolution of International Human Rights Law - the General Assembly Proclamation- Institution Building, Implementation and the Post- Cold War Period. The ICC.

Unit-III India and Human Rights (6-Hours)

Introduction-Classification of Fundamental Rights-Salient Features of Fundamental Rights- and Fundamental Duties.

Unit-IV Human Rights of Women and Children (6-Hours)

Women's Human Rights- Issues related to women's rights - and Rights of Women's and Children

Unit-V Human Rights Violations and Organizations (6-Hours)

Human Rights Violations - Human Rights Violations in India - the Human Rights Watch Report, January 2012- Human Rights Organizations.

Books for Study:

1. The Department of Human Excellence, *Techniques of Social Analysis: Fundamentals of Human Rights*, St. Joseph's college, Tiruchirappalli -02, 2021.

Books for Reference:

1. Venkatachalem. Dr. *The Constitution of India*, Salem: Giri Law House, 2005.
2. Naik Varunand Mukesh Shany. *Human rights education and training*, New Delhi: crescent Publishing Corporation, 2011.
3. Bhathoke Neera. *Human Rights content and extent*, New Delhi: swastika publications, 2011.

Web Sources:

<https://www.un.org/en/universal-declaration-human-rights/>. Accessed 05 Mar. 2021.

<https://www.ilo.org/global/lang--en/index.htm>. Accessed 05 Mar. 2021.

<https://www.amnesty.org/en/>. Accessed 05 Mar. 2021.

Semester	Course Code	Title of the Course	Hours	Credits
III	21UTA31GL03	General Tamil -III	4	3

CO No.	CO- Statement	Cognitive Level (K- level)
இப்பாடத்தின் நிறைவில் மாணவர்கள்		
CO-1	சங்க இலக்கிய வகைகளை நினைவுகூருவர்	K 1
CO-2	இலக்கியத்தினை நுட்பமாக அறிதலின் வழியாக ஆற்றுப்படுத்தும் திறன் பெறுவர்	K 2
CO-3	இலக்கிய அறநெறிகளைத் தற்கால வாழ்வியலில் பயன்படுத்தும் திறன் பெறுவர்	K 3
CO-4	அகம் மற்றும் புற இலக்கியத் திணை, துறைகளைப் பகுத்தாராய்வர்	K 4
CO-5	யாப்பு, அணி இலக்கண நுட்பங்களை இலக்கியங்களில் மதிப்பிடுவர்	K 5

அலகு - 1 (12 மணிநேரம்)

பொருநராற்றுப்படை (முழுமையும்)

அலகு - 2 (12 மணிநேரம்)

நற்றிணை - 5 பாடல்கள் - (1, 19, 21, 70, 148)

ஐங்குறுநூறு - அன்னாய் வாழிப்பத்து.

யாப்பிலக்கணம் - வெண்பா, ஆசிரியப்பா

அலகு - 3 (12 மணிநேரம்)

கலித்தொகை - (குறிஞ்சிக்கலி- 62, பாலைக்கலி -22, மருதக்கலி- 87,

நெய்தற்கலி-149, முல்லைக்கலி - 116)

இலக்கிய வரலாறு - முதற்பாகம் ('தமிழ் மொழியின் தொன்மையும் சிறப்பும்' முதல்

'சங்க தொகை நூல்கள்' முடிய),

புதினம் - குடும்ப அட்டை (2022-2023)

அலகு - 4 (12 மணிநேரம்)

பதிற்றுப்பத்து - 3 பாடல்கள் (14, 32, 61)

புறநானூறு - 5 பாடல்கள் (95, 121, 130, 204, 279)

அணியிலக்கணம்

அலகு - 5 (12 மணிநேரம்)

திருக்குறள் - புறங்கூறாமை, பழமை, புலவி நுணுக்கம் ஆகிய அதிகாரங்கள்
 திரிகடுகம் - 5 பாடல்கள் (2, 6, 12, 15, 42)

இலக்கிய வரலாறு - சங்க இலக்கியங்களின் தனித்தன்மைகள் முதல் இரட்டைக் காப்பியங்கள் முடிய

பாடநூல்கள் :

1. பொதுத்தமிழ் செய்யுள் திரட்டு, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் கல்லூரி, திருச்சிராப்பள்ளி-2, முதற்பதிப்பு, 2021
2. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பத்தாம் பதிப்பு, 2017
3. புதினம் (ஓவ்வொரு கல்வியாண்டிற்கும் ஒவ்வொரு புதினம்)
 2022 – 2023 கல்வியாண்டுக்கு மட்டும் : வீ.செந்தில் குமார், குடும்ப அட்டை, தாமரை பப்ளிகேஷன்ஸ் பிரைவேட் லிமிடெட், சென்னை, முதற்பதிப்பு, 2009

Semester	Course Code	Title of the Course									Hours	Credit
III	21UTA31GL03	General Tamil -III									4	3
Course Outcomes (COs)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	2	3	2	3	3	2	2.5	
CO-2	2	2	2	3	3	2	2	3	3	2	2.4	
CO-3	3	3	2	3	3	2	2	3	3	3	2.7	
CO-4	3	2	2	3	2	3	2	3	2	3	2.5	
CO-5	2	3	2	3	2	3	2	3	2	3	2.5	
Mean Overall Score											2.52 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UFR31GL03	FRENCH – III	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to;	
CO–1	relate colours, materials and shapes to the french clothing.	K1
CO–2	select appropriate prepositions in giving directions.	K2
CO–3	construct a text in present tense using different verbs.	K3
CO–4	examine the travel manners and celebrations of the French.	K4
CO–5	justify the usage of past tense in a biography.	K5

Unit – I (12 hours)

TITRE:VIVRE LAVILLE

GRAMMAIRE : la comparaison, les prépositions avec les noms géographiques, les pronoms personnels COI, le pronom y (le lieu)

LEXIQUE : se repérer sur un plan de ville, la ville, les lieux de la ville

PRODUCTION ORALE : demander et indiquer une direction dans un dialogue

PRODUCTION ECRITE : décrire votre ville natale, créez les affiches en appréciant votre ville

Unit - II (12 hours)

TITRE:VISITER UNE VILLE

GRAMMAIRE : la position des pronoms compléments, les verbes du premier groupe en – ger et – cer, les verbes ouvrir et accueillir

LEXIQUE : dire les informations sur une ville de votre choix, les transports, les points cardinaux, les prépositions de lieu

PRODUCTION ORALE : Indiquer le chemin

PRODUCTION ECRITE : Demander des renseignements touristiques

Unit - III (12 hours)

TITRE:ON VEND OU ON GARDE

GRAMMAIRE : la formation du pluriel, les adjectifs de couleurs, l’adjectif beau, nouveau,vieux

LEXIQUE : savoir comment s’habiller des grandes occasions, les couleurs, les formes, les matériaux

PRODUCTION ORALE : comprendre une présentation de catalogues vestimentaires en France

PRODUCTION ECRITE : adresser des souhaits à quelqu’un

Unit - IV (12 hours)

TITRE:VENTES D’AUTREFOIS, VENTES D’AUJOURD’HUI

GRAMMAIRE : les pronoms relatifs qui et que, l’imparfait, les verbes connaître, écrire,

mettre et vendre, la question avec inversion

LEXIQUE : comprendre la description de personnes dans un extrait de roman, les mesures, l'informatique

PRODUCTION ORALE : imaginez un dialogue avec un personnage célèbre. Utilisez l'inversion.

PRODUCTION ECRITE : écrire une biographie en utilisant les pronoms relatifs

Unit- V

(12 hours)

TITRE:FELICITATIONS ! / ON VOYAGE!

GRAMMAIRE : les pronoms démonstratifs, les articles : particularités, les pronoms interrogatifs variables : lequel, les adverbes de manières, les verbes recevoir et conduire

LEXIQUE : les moyens de transports, les voyages, les fêtes, l'aéroport et l'avion, la gare et le train, l'hôtel

PRODUCTION ORALE : Présenter ses vœux

PRODUCTION ECRITE : Faire une réservation

Book for Study

P.Dauda,L.Giachino and C.Baracco, *Generation A2*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *EchoA2*, CLE International, 2^eedition,2017
2. Régine Mérieux and Yves Loiseau, *Latitudes A2*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers, 2011

Web Resources

1. <https://français.lingolia.com/en/grammar/prepositions>
2. <https://www.lawlessfrench.com/grammar/present-tense/>
3. <https://www.thoughtco.com/textures-french-adjectives-and-expressions-1368980>
4. <https://study.com/academy/lesson/past-tense-in-french.html>
5. <https://absolutely-french.eu/french-celebrations/?lang=en>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
III	21UFR31GL03	FRENCH – III									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	1	2	2	3	2	3	1	2	3	2.1	
CO-2	3	2	3	3	1	2	1	2	2	3	2.2	
CO-3	2	1	3	2	2	3	1	3	2	2	2.1	
CO-4	3	1	3	2	3	3	3	1	2	3	2.4	
CO-5	3	2	3	2	2	3	3	2	2	1	2.3	
Mean overall Score											2.22 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UHI31GL03	HINDI - III	4	3

CO No.	CO-Statements	Cognitive Levels (K -Levels)
	On successful completion of the course, students will be able to	
CO-1	find out the dialects of Hindi language.	K1
CO-2	compare the poems of Sumithra Nandanpanth, Prasad & Bachan in Context with their experience of life.	K2
CO-3	illustrate the importance given to family ethics by the youth in the modern period according to "Bahoo Ki vidha" One Act play.	K3
CO-4	categorize the poetics in some selective poems.	K4
CO-5	justify the social & political conditions of Devotional period in Hindi Literature.	K5

Unit - I (12 Hours)
 Tera sneh na khoon
 Samband Bodak
 Reethikal - Namakarn
 Tense

Unit - II (12 Hours)
 Himadri Thung Sring Se
 Paribakshik shabdavali
 Samuchaya Bodak
 Reethikal - Samajik Paristhithiyam

Unit - III (12 Hours)
 Insan our Kuthae
 Vismayadi Bodak
 Reethikal - Sahithyik Paristhithiyam
 Reethikal - Salient Features

Unit - IV (12 Hours)
 Shokgeeth
 Avikary shabdh
 Reethikal - Main Divisions
 Social media and modern world

Unit - V (12 Hours)
 Reethikal - Visheshathayem

Anuvad – 3
Bahoo ki vidha (one act play)

Books for Study

1. Dr. Sanjeev Kumar Jain, Anuvad: Siddhant Evam Vyavhar, Kailash Pustak Sadan, Madhya Pradesh, 2019.
Unit-I Chapter 1
2. M. Kamathaprasad Gupth, *Hindi Vyakaran*, Anand Prakashan, Kolkatta, 2020.
Unit-II, III and IV Chapter 2
3. Dr. Sadananth Bosalae, *kavya sarang*, Rajkamal Prakashan, New Delhi, 2020.
Unit-V Chapter 4

Books for Reference

1. Ramdev, Vyakaran Pradeep, Hindi Bhavan, 2016.
2. Lakshman prasad singh, Kavya ke sopan, Bharathy Bhavan Prakashan, 2017.
3. Acharya ramchandra shukla, Hindi Sahitya Ka Itihas, Prabhat Prakashan, 2021.
4. Hindi Niband Sangrah, V&S Publishers, 2015.
5. Krishnakumar Gosamy, Anuvad vigyan ki Bhumika, Rajkamal Prakashan, 2016.

Web Resources

1. <https://youtu.be/Xxvco3qa284>
2. <https://youtu.be/e9wK-pYfVPc>
3. https://youtu.be/75tHr53f5_o
4. https://youtu.be/eFNM6y_cpjY
5. <https://youtu.be/jHWXWLMxJtw>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credits
III	21UHI31GL03	HINDI - III									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	2	3	3	2	3	2	1	3	2	2.4	
CO-2	3	2	3	2	2	3	2	3	2	3	2.5	
CO-3	3	2	2	3	1	3	2	3	2	3	2.4	
CO-4	2	3	3	2	3	2	3	3	2	1	2.4	
CO-5	3	2	2	3	3	2	1	3	2	3	2.4	
Mean Overall Score											2.42 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21USA31GL03	SANSKRIT - III	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remember Characters and events of Ramayana.	K1
CO-2	understand social ethics and moral duties.	K2
CO-3	apply the values learnt , in day to day life.	K3
CO-4	analyzing the Vedic Philosophy.	K4
CO-5	evaluate and create new words with upasargas.	K5

Unit - I (12 Hours)

Romodantam , Balakandam (1-15)

Unit - II (12 Hours)

Romodantam , Balakandam (15-30)

Unit - III (12 Hours)

Vedas – Vedangas vivaranam

Unit - IV (12 Hours)

Puranas .Upanishands

Unit - V (12 Hours)

Upasargas , Bhavishyat Kaalah

Book for Study

VEDIC LITERATURE, 2019

Books for Reference

1. Parameshwara, Ramodantam, LIFCO Chennai 2018
2. R.S.Vadhyar & Sons , Book – sellers and publishers , Kalpathu ,Palghat – 678003 , Kerala , south India , History of Sanskrit Literature 2019
3. Kulapathy , K.M Saral Sanskrit Balabodh , Bharathita vidya bhavan , Munshimarg Mumbai – 400 007 2018

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
III	21USA31GL03	SANSKRIT-III									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	1	2	2	3	3	3	3	3	2	1	2.3	
CO-2	3	3	2	3	3	2	2	3	3	3	2.7	
CO-3	3	3	1	3	3	1	1	3	3	3	2.4	
CO-4	2	2	1	2	3	2	2	3	2	1	2.0	
CO-5	3	3	2	3	2	2	3	3	3	2	2.6	
Mean Overall Score											2.4	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEN32GE03	GENERAL ENGLISH - III	5	3

CO No.	CO-Statements	Cognitive Levels (K-Levels)
	On successful completion of this course, students will be able to	
CO -1	recall the meaning of familiar words in different contexts	K1
CO-2	comprehend the complex written texts by guessing meaning of unfamiliar words using contextual clues	K2
CO-3	use tenses and punctuations appropriately in sentences	K3
CO-4	analyse formal and informal letters to rewrite them meaningfully	K4
CO-5	compare different genres of writing and construct paragraphs	K5 & K6

Unit-I (15 Hours)

1. Suggestions to Develop Your Reading Habit
2. General Writing Skill: Letter Writing – Informal
3. Grammar: Simple Present Tense

Unit-II (15 Hours)

4. The Secret of Success: An Anecdote
5. General Writing Skill: Letter Writing – Formal
6. Grammar: Present Continuous Tense

Unit-III (15 Hours)

7. The Impact of Liquor Consumption on the Society
8. General Writing Skill: Letter to Newspaper
9. Grammar: Simple Past Tense

Unit-IV (15 Hours)

10. Dr. A.P.J. Abdul Kalam: A Short Biography
11. General Writing Skill: Job Application Letter
12. Grammar: Past Continuous Tense

Unit-V (15 Hours)

13. Golden Rule: A Poem
14. General Writing Skill: Circular-Writing
15. Grammar: Simple Future Tense and Future Continuous Tense

Book for Study

Jayraj, S. Joseph Arul et al. *Trend-Setter: An Interactive General English Textbook for Undergraduate Students*. Trinity, 2016.

Books for Reference

1. Malkani, Neelam. *A comprehensive Guide on General English for Competitive Exams*. Agra: Oswal Publications, 2020.
2. Jain, B. B. *Compendium General English*. Agra: Upkar Prakashan, 2010.
3. Aggarwal, R.S. *Quick Learning Objective General English*. India: S Chand, 2006.
4. T. Ferrari, Bernard. *Power Listening: Mastering the Most Critical Business Skill of All*. USA: Penguin Publishers, 2012.
5. Barry, Marian. *Steps to Academic Writing*. USA: Cambridge University Press, 2011.

Web Resources

1. <https://www.nypl.org/events/classes/english>
2. https://www.waywordradio.org/listen/podcast-itunes/?gclid=EA1aIQobChMIRbeRtbP12AIVCYZpCh0-XwnvEAAAYAiAAEgLcjd_BwE
3. <https://eltlearningjourneys.com/2015/05/19/websites-for-learning-english/>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credits
III	21UEN32GE03	GENERAL ENGLISH - III									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Scores of COs	
	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5		
CO-1	2	3	2	2	3	2	3	2	3	2	2.4	
CO-2	2	2	3	2	3	3	2	3	2	2	2.3	
CO-3	2	3	2	3	2	2	3	2	3	2	2.4	
CO-4	2	2	3	2	3	3	2	3	2	3	2.5	
CO-5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33CC05	CORE – 5: MACROECONOMICS – I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the importance of investment for expansion of business.	K1
CO–2	understand the basic concepts of Macroeconomics.	K2
CO–3	explain the various principles and theories of employment.	K2
CO–4	interpret the measurements of National Income.	K3
CO–5	analyse the ratio of investment through Multiplier and Accelerator.	K4

Unit – I: Introduction to Macroeconomics and National Income (18 Hours)

Definition - Nature and scope of Macroeconomics - Significance and limitations - Difference between Microeconomics and Macroeconomics - Stock and flow variables - National Income: Definition - Methods of measuring National Income - Difficulties in the measurement of National income – Uses of National Income estimates.

Unit – II: Theories of Employment (18 Hours)

Concept of Employment - Say’s Law of Market - Classical theory of employment - Keynesian theory of employment - Determination of Effective demand - Compare and contrast Classical and Keynesian contribution.

Unit – III: Consumption Function (18 Hours)

Average and Marginal Propensity to Consume – Keynes’ Psychological Law of Consumption - Determinants of Consumption Function - Absolute Income Hypothesis – Duesenberry’s Relative Income Hypothesis — Friedman’s Permanent Income Hypothesis – Franco-Modigliani’s Life Cycle Hypothesis.

Unit – IV: Investment Function (18 Hours)

Concept of Investment - Autonomous and Induced Investment – Factors determining Investment: Rate of Interest - MEC - rate of discount - prospective yield, supply price - Post-Keynesian theory of Investment demand – IS-LM Function.

Unit – V: Multiplier and Accelerator (18 Hours)

Multiplier - working and leakages - Importance and criticisms – Acceleration Principle - Samuelson’s and Hicks’ theories of Accelerator - Super-multiplier.

Books for Study

1. Jhingan M. L., *Macro Economic Theory*, 13th Revised Edition, ISBN -18- 87125-45-4, Vrinda Publication (P) Ltd , New Delhi, 2016.
2. Gupta. R.D, *Keynesian and Post Keynesian Economy*, Milestone Publication, New Delhi,

2013.

Books for References

1. Seth, M.L, *Macro Economics*, 28th Revised Edition 2017- Lakshmi Narain Agarwal, Agra.
2. Edward Shapiro, *Macro Economic Analysis*, Galgotia, 13th edition, 2013, New Delhi.
3. Maria John Kennedy, *Macro Economic Theory*, PHI learning PVT, limited, New Delhi, 2011.

Relationship matrix for Course outcomes, Programme outcomes /Programme SpecificOutcomes

Semester	Course code	Title of the Course									Hours	Credits
III	21UEC33CC05	CORE – 5: MACROECONOMICS-I									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	1	2	1	2	2	3	1	2	2	1	1.7	
CO-2	2	1	3	2	1	2	3	3	2	3	2.2	
CO-3	2	2	2	2	2	3	3	3	3	2	2.4	
CO-4	3	3	2	2	2	2	3	2	2	3	2.4	
CO-5	2	2	3	2	3	2	2	3	2	2	2.3	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33CC06	CORE – 6: DEVELOPMENT ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define basic development concepts of developed and underdeveloped countries.	K1
CO–2	interpret the relationship between demographic indicators and economic development.	K2
CO–3	relate current development issues with development theories to arrive at research oriented conclusions.	K3
CO–4	infer the impact of economic development on the environment and its sustainability.	K4
CO–5	analyze the trends in economic development indicators of India to enhance future career prospects.	K4

Unit – I: Introduction to Development concepts (15 Hours)

Economic growth and development – Indicators of economic growth and development – Importance of economic growth and development - Comparison of various countries – Measurement of economic growth and development: GDP, GDP Per Capita, GNP, GNP Per Capita, PQLI, HDI, GDI and GER - Sustainable Development Goals and its importance.

Unit – II: Demography and Development (15 Hours)

Demographic indicators of development: Sex ratio, Birth Rate, Death Rate, TFR, MMR, IMR and Life Expectancy - Demographic dividend and age structure: its effect on economic development - Relationship between population growth and economic development: Demographic Theory of Transition.

Unit – III: Theories of Economic Growth (15 Hours)

Economic and Non-economic factors of economic growth – Theory of Balanced growth – Theory of Unbalanced growth – Endogenous and Exogenous theories of growth: Arrow’s model, Romer’s model, Harrod-Domar model and Solow model.

Unit – IV: Theories of Economic Development (15 Hours)

Classical theory of economic development – an overview; Marxian theory; Rostow’s Stages of Economic Growth; Big Push theory and Schumpeter’s theory of Innovation.

Unit – V: Economic Development in India (15 Hours)

Trends in employment, education, health, savings, investment and international trade - Government initiatives in boosting economic development – an overview of economic development in India during the pre-reform and post reform era.

Books for Study

1. H. L. Ahuja, *Development Economics – A Critical Study of Economic Growth, Development and Environment*, S. Chand & Sons
2. M. L. Jhingan (2014) *The Economics of Planning and Development*, Revised edition, Vrindha Publications (P) Ltd, Delhi
3. Jayshree Suresh, (2013), *Entrepreneurial Development*, Margham Publications, Chennai.

Books for Reference

1. Sankaran S. (2016) *International Economics*, Margham Publications, Chennai
2. Debraj Ray, (2009), *Development Economics*, Oxford University Press
3. Taneja M.L. Myer R M (2012), *Economics of Development and Planning*, Vishal Publishing Company, Jalandhar
4. Agarwal R.C. (2016), *Economics of Development and Planning*, Lakshmi Narain Agarwal, Educational Publishers, Agra.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course					Hours	Credits				
III	21UEC33CC06	CORE – 6: DEVELOPMENT ECONOMICS					5	3				
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	2	1	1	3	2	2	2	2	1.9	
CO-2	2	3	2	1	2	3	3	2	1	3	2.2	
CO-3	3	3	3	2	2	3	3	3	3	3	2.8	
CO-4	3	3	2	1	3	2	2	2	2	2	3	
CO-5	3	3	3	3	2	3	3	3	3	3	2.9	
Mean overall Score											2.56 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33AO03A	ALLIED OPTIONAL – 1: STATISTICS FOR ECONOMICS – I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe various statistical methods and their applications in different fields.	K1
CO–2	state the general rules of classification and tabulation and to perform graphical and diagrammatic representation of statistical data.	K1
CO–3	explain the theory behind the descriptive statistics like measures of central tendency and measures of dispersion	K2
CO–4	apply the skills of sampling techniques used to collect the data in social science.	K3
CO–5	classify the absolute measures of variation and relative measures of variation	K4

Unit – I: Importance of Statistics (18 Hours)

Meaning and definitions - Functions, Scope and Limitations of Statistics - Statistics and Economics - Primary and Secondary data - Methods of collecting Primary data – Drafting the Questionnaire – Pilot Survey - Pre-testing the Questionnaire - Secondary data – Sources - Precautions in the use of Secondary data.

Unit – II: Sampling and Sampling Design (18 Hours)

Census and Sample Method – Merits and Demerits of Census and Sampling - Principles of sampling - Essentials of sampling - Methods of selecting sample – Probability and Non-Probability methods -Sampling and Non - Sampling Errors - Central Limit Theorem.

Unit – III: Classification, Tabulation and Diagrams (18 Hours)

Meaning and objectives of classification - Types of classification -- Parts of a table - General rules of tabulation - Types of tables - -Diagrammatic and Graphic representation - Types of Diagrams - Graphs of Frequency distribution - Histograms - Frequency Polygon - Ogives.

Unit – IV: Measures of Central Tendency (18 Hours)

Objectives of Averaging - Requisites of a good Average - Arithmetic Mean - Weighted Mean - Median – Mode - Quartiles - Deciles - Percentiles – Harmonic Mean - Geometric Mean - Limitations of Averages

Unit – V: Measures of Dispersion**(18 Hours)**

Meaning - Significance - Range - Quartile Deviation - Mean Deviation - Standard Deviation - Coefficient of Variation – Variance - Absolute Measures of Variation – Relative measures of variation - Lorenz Curve.

Book for Study

Gupta S.P. *Statistical Methods*. Sultan Chand & sons, New Delhi, 2021.

Books for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai, R.S.N. & Bagavathi. V, *Statistics, Theory and Practice*, S.Chand, New Delhi, 2010.
3. Croxton, F.E., Cowden, D.J. and Klein, S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
III	21UEC33AO03A	ALLIED OPTIONAL – I: STATISTICS FOR ECONOMICS-I									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	1	1	3	3	2	2	2.2	
CO-2	2	3	3	3	1	1	2	3	2	2	2.2	
CO-3	3	3	2	3	1	3	3	2	2	1	2.3	
CO-4	3	3	3	3	2	1	2	3	2	1	2.3	
CO-5	3	3	1	2	1	2	3	2	2	1	2.0	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33AO03B	ALLIED OPTIONAL - I: DATA ANALYSIS FOR ECONOMICS	6	4

CO No.	CO-Statements	Cognitive Levels (K-Levels)
	On successful completion of this course, students will be able to	
CO-1	explain the theory behind the descriptive statistics like measures of central tendency and measures of dispersion	K1
CO-2	understand basic counting techniques to compute probability.	K2
CO-3	apply the skills of sampling techniques used to collect the data in social science.	K3
CO-4	calculate various methods of correlation and compute and interpret simple linear regression between two variables.	K3
CO-5	categorize different types of index numbers and apply the importance of index numbers in Indian Economy.	K4

Unit – I: Sources of Data (18 Hours)

Primary and Secondary data - Methods of collecting Primary data – Drafting the Questionnaire – Pilot Survey - Pre-testing the Questionnaire - Secondary data – Sources - Precautions in the use of Secondary data- Census and Sample Method.

Unit – II: Univariate Frequency Distributions (18 Hours)

Measures of Central Tendency: Arithmetic Mean, Median and Mode; Geometric and Harmonic mean - Measures of Dispersion - Skewness and Kurtosis.

Unit – III: Bivariate Frequency Distributions (18 Hours)

Methods of studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation – Regression - Regression Lines - Regression Equations of X on Y and Y on X Only - Regression Coefficients.

Unit – IV: Introduction to Probability Theory (18 Hours)

Notions of random experiment, sample space, event, probability of an event - Conditional probability - Independence of events - Random variables and probability distributions - Binomial and Normal distributions.

Unit – V: Estimation of Population parameters from sample data (18 Hours)

Unbiased estimators for population mean and variance - Basics of index numbers: price and quantity index numbers.

Book for Study

Gupta S.P. *Statistical Methods*. Sultan Chand & sons, New Delhi, 2021.

Book for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai,R.S.N.& Bagavathi. V, *Statistics, Theory and Practice*, S.Chand , New Delhi, 2010.
3. Croxton,F.E., Cowden,D.J and Klein.S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
III	21UEC33AO03B	ALLIED OPTIONAL - I: DATA ANALYSIS FOR ECONOMICS									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	3	3	2	1	2	3	2	1	2.3	
CO-2	3	3	2	3	1	3	3	2	2	1	2.3	
CO-3	3	2	2	3	1	2	3	3	2	2	2.3	
CO-4	2	3	3	3	1	2	2	3	2	2	2.3	
CO-5	3	3	1	2	2	3	3	2	2	1	2.2	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC34SE01	SEC - 1(WD): ECONOMIC SURVEY AND UNION BUDGET	2	1

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	recall the data and profile of the government documents in particular to the Economic Survey and the Union Budget.	K1
CO-2	identify the basic concepts related to some contemporary economic issues.	K2
CO-3	explain the basic concepts of exports and imports.	K2
CO-4	sketch out the Government policies and programmes.	K3
CO-5	analyse the trends of the Indian economy.	K4

Unit – I: State of the Economy (6 Hours)

Sectoral contributions - Agriculture, Industry and Services sectors – Year wise Production - Contribution to GDP – Funds allocation by the Central Government to all the sectors.

Unit – II: Prices and Inflation (6 Hours)

Current trends in Inflation - Wholesale Price Index - Consumer Price Index - Drivers of Inflation - State wise Inflation rates – Global commodity prices - Measures to control Inflation.

Unit – III: Exports and Imports (6 Hours)

Exports and imports: Agricultural goods – Industrial goods - Crude oil – Gold export - import policies - India’s Performance on Patents and Trademarks - (Current data and information)

Unit – IV: The Union Budget (6 Hours)

Capital receipts - Revenue receipts - Tax and non-tax revenue - Direct and indirect taxes - trends - Goods and Services Tax (GST) - Capital expenditure, revenue expenditure, plan expenditure, non-plan expenditure - fiscal deficit, primary deficit and revenue deficit. (Latest trends)

Unit – V: Centre-State Financial Relations (6 Hours)

Fiscal devolution and Centre - State financial sharing in India - Latest Economic Survey.

Books for Study

1. Dutt & Sundaram, (2020), Indian Economy, S.Chand, New Delhi.

2. Economic Survey (Latest)

Books for Reference

1. Economic Survey (latest).
2. *'Understanding the Budget Concepts and Terminologies'*, Centre for Budget and Governance
3. <http://www.cbgaindia.org/files/documents/Understanding>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
III	21UEC33SE01	SEC-1 (WD) ECONOMIC SURVEY AND UNION BUDGET									2	1
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	3	1	1	3	2	3	3	2	1	2.1	
CO-2	2	3	1	2	3	2	3	3	2	2	2.3	
CO-3	2	2	2	2	3	2	2	3	1	3	2.2	
CO-4	2	2	3	2	2	2	2	3	1	2	2.1	
CO-5	3	2	2	2	2	3	2	3	2	2	2.3	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UHE24VE03A	PROFESSIONAL ETHICS-I: SOCIAL ETHICS - I	2	1

CO No.	Co- Statements	Cognitive Levels (K –Levels)
	On completion of this course the graduates will be able to:	
CO-1	know the responsibility of the educated youth.	K1
CO-2	understand the values prescribed under social ethics.	K2
CO-3	apply their minds critically to the various types of cyber crime.	K3
CO-4	analyse the various kinds of political systems.	K4
CO-5	analyse the behaviour of the elected representatives.	K4

Unit-I Introduction to Social Ethics (6-Hours)

Introduction to social ethics and social responsibility, important role of Social ethics on the various areas, religion influences social changes - secularism. Social ethics and corporate dynamics, forms of social ethics.

Unit-II The Economic and Political System of Today (6-Hours)

Planned economy and communism – market economy and capitalism- socialism - mixed economy -the emerging market economy - political system- totalitarian system- oligarchic system.

Unit-III Integrity in Public Life National Integration (6-Hours)

What is Integrity, Public Life, Integrity and Public Life, Integrity in a Democratic State, India as Democratic State, Behavior of a elected representative of India , Noticeable degradation acts of elected Representatives, Suggestions to stem this rot, Types of integrity, Transparency can be a guarantee for integrity.

Unit-IV Cyber Crime (6-Hours)

Business Ethics, Business ethics permeates the whole organization, Measuring business ethics , The Vital factors highlighting the importance of business ethics , Cyber crime, Strategies in committing Cyber Crimes, Factors aiding Cyber Crime, computer Hacking, Cyber Bullying, Telecommunications piracy, Counter Measures to Cyber Crime, Ethical Hacking.

Unit-V Social Integration (6-Hours)

Global challenges, The future is with the Educational Youth, Cost of the Sacrifice, Crusaders against corruption, Responsibility of the Educated Youth, Positive Global Scenario, Right to Education, Eradicating gender inequality, Sustainable Human Development , Social Integration, Elimination Crime, Integration with Global Market

Books for Study:

1. Department of Human Excellence, *Formation of Youth*, St Joseph's College(Autonomous), Tiruchirappali -02, 2021

Books for Reference:

1. Ramesh K. Arora, *Ethics, Integrity and Values* by Public Service Paperback ,– 1 January 2014
2. Cunningham, D. *There's something happening here: The new left, the Klan, and FBI counterintelligence*. Berkeley: University of California Press, 2004.
3. Adv. Prashant Mali, *Cyber law & Cyber Crimes simplified* by Cyber Info media Paperback – 1 January 2017.
4. Matthew Richardson, *Cyber Crime: Law and Practice Hardcover – Import*, Wildy publications, 29 November 2019

Web Sources:

<https://cybercrime.gov.in/>

<https://open.lib.umn.edu/sociology/chapter/14-2-types-of-political-systems/>

<https://www.esv.org/resources/esv-global-study-bible/social-ethics/>

https://en.wikipedia.org/wiki/Political_system

Semester	Course Code	Title of the Course	Hours	Credits
III	21UHE34VE03B	PROFESSIONAL ETHICS I: RELIGIOUS DOCTRINE- I	2	1

CO.No.	Co – Statements	Cognitive Levels (K –Levels)
	On completion of this course, the graduates will be able to:	
CO-1	understand the history of the Catholic Church	K1
CO-2	examine and grasp the Sacraments of the Catholic Church	K2
CO-3	apply the Christian Prayer to their everyday life	K3
CO-4	analyze themselves in the light of Sacraments & Christian Prayer	K4
CO-5	create a harmonious society learning values from all religions	K5 & K6

Unit-I	God of salvation	(6 Hours)
Unit-II	Life & Mission of Jesus Christ	(6 Hours)
Unit-III	The Holy Spirit	(6 Hours)
Unit-IV	Biblical Values	(6 Hours)
Unit-V	Mother Mary	(6 Hours)

Books for Text

Department of Human Excellence, *Life in the Lord: Religious Doctrine*. St. Joseph's College, Trichirappalli-02, 2021.

Books for Reference:

1. *Compendium: Catechism of the Catholic Church*. Bengaluru: Theological Publications in India, 1994.
2. Holy Bible (NRSV).

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UTA41GL4C	Commercial Tamil (SMS)	4	3

CO No.	CO- Statement	Cognitive Level (K- level)
இப்பாடத்தின் நிறைவில் மாணவர்கள்		
CO-1	பண்டைத் தமிழர்களிடம் மேலோங்கியிருந்த வணிகவியல் சிந்தனைகளை அறிந்துகொள்வர்.	K 1
CO-2	பண்டைய இலக்கியங்களுள் வெளிப்படும் வணிகவியல் மேலாண்மைத் தொடர்புகளை அறிந்துகொள்வர்.	K 2
CO-3	வணிகக்கடிதங்கள், பொதுஅமைப்பு மற்றும் படிவங்கள், பதிவேடுகளை உருவாக்குதல், பராமரித்தல் ஆகியவற்றைக் கற்றுக்கொள்வர்	K 3
CO-4	புத்திலக்கியங்களுள் வணிகவியல்துறை பெற்றுள்ள செல்வாக்கை ஆய்ந்து அறிவர்	K 4
CO-5	வணிகவியல் கலைச்சொற்களைத் தமிழில் கற்றுக்கொண்டு வணிகத்தமிழ் வளரத் துணைபுரிவர்	K 5

அலகு - 1

(12 மணிநேரம்)

பட்டினப்பாலை (108 அடிகள்)

சேவடிச் செறிசுறங்கிற் (146-158)

செல் கதிர் நுழையாச் செழுநகர் (183-193)

வான் முகந்த நீர் மலை (126-141)

மாஅகாவிரி மணம் கூட்டும் (116-125)

நெடுநுகத்துப் பகல் போல (206-218)

உரைநடைக்கட்டுரை: சங்ககால மக்களின் உற்பத்தியும், வணிகமும்

அலகு - 2

(12 மணிநேரம்)

அவரோ வாரார் - முல்லையும் பூத்தன (குறுந்தொகை- 221)

முள்ளெயிற்றுப் பாண்மகள் (ஐங்குறுநூறு (மருதத்திணை) - புலவிப்பத்து 47)

கான் உறை வாழ்க்கை (புறநானூறு 33: 1-7)

சிறுகுழை துயல்வரும் காதில், பணைத்தோள் (பெரும்பாணாற்றுப்படை, 161-168)

தேன் நெய்யொடு கிழங்கு மாறியோர் (பொருநராற்றுப்படை, 214-221)

உரைநடைக்கட்டுரை : சங்க இலக்கியங்களில் பண்டமாற்றுமுறை

அலகு - 3

(12 மணிநேரம்)

திருக்குறள் (2 அதிகாரங்கள்)

வினைத்திட்டம், பொருள்செயல்வகை

உரைநடைக்கட்டுரை : பண்டைத்தமிழர்களின் பிறநாட்டுவணிகத் தொடர்பும், துறைமுகங்களும்

அலகு - 4

(12 மணிநேரம்)

புதினம் - கோடுகளும் கோலங்களும் - ராஜம் கிருஷ்ணன்

வணிகக் கடிதங்கள் - பொதுஅமைப்பு மற்றும் படிவங்கள் - தகவல் தொடர்புப் பதிவேடுகளை உருவாக்குதல், பராமரித்தல்

உரைநடைக்கட்டுரை: பண்டைத் தமிழர்களின் வணிக மேலாண்மை

அலகு - 5

(12 மணிநேரம்)

வணிகவியல் கலைச்சொற்கள் பயன்பாடு - வணிகக் கட்டுரை எழுதுதல் - வணிகம்சார் ஆங்கிலக் கட்டுரையைத் தமிழில் மொழிபெயர்த்தல் - வணிக நிறுவனம் குறித்த ஆய்வறிக்கை - வணிகம்சார் நிகழ்வு / செய்திகளைத் திறனாய்வு செய்தல்
உரைநடைக்கட்டுரை: பன்முகநோக்கில் உலகமயமாக்கல்

பாட நூல்கள்

1. **வணிகத்தமிழ்**, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பதிப்பு, 2022
2. ராஜம் கிருஷ்ணன், **கோடுகளும் கோலங்களும்**, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி-2, முதற்பதிப்பு, 2021
3. மூர்த்தி. அ.கி., **வணிகவியல் அகராதி**, மணிவாசகர் பதிப்பகம், சென்னை, 1994

பார்வை நூல்கள் & இணையதளம்

1. வையாபுரிப்பிள்ளை, **பாட்டும் தொகையும்**, பாரி நிலையம், சென்னை, இரண்டாம் பதிப்பு, 1967.
2. பரிமேலழகர்(உரை.), **திருக்குறள்**, பாரதி பதிப்பகம், சென்னை-17, ஏழாவது பதிப்பு, 2000.
3. மயிலை சீனிவேங்கடசாமி, **பழங்காலத் தமிழர் வாணிகம்**, நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை
4. www.creativecommons.org

Semester	Course Code	Title of the Course									Hours	Credit
IV	21UTA41GL4C	Commercial Tamil (SMS)									4	3
Course Outcomes (COs)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	1	2	3	2	2	3	3	2	2	2	2.2	
CO-2	2	2	3	2	2	2	3	2	3	2	2.3	
CO-3	1	2	2	3	2	2	2	3	3	3	2.3	
CO-4	2	2	3	2	2	3	2	3	3	2	2.4	
CO-5	3	1	2	2	2	2	3	2	3	3	2.3	
Mean Overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UFR41GL04	FRENCH – IV	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to;	
CO–1	recall the vocabulary pertaining to dwelling place.	K1
CO–2	outline crisis management in France.	K2
CO–3	develop a travel diary of your own.	K3
CO–4	simplify the French education system.	K4
CO–5	interpret past tenses in a text.	K5

Unit- I (12 hours)

TITRE:ON FAIT LE MELANGE!

GRAMMAIRE : le présent progressif, les pronoms possessifs, la phrase négative

LEXIQUE : décrire les étapes d'une action, la maison, les tâches ménagères

PRODUCTION ORALE : comprendre le récit d'un voyage

PRODUCTION ECRITE : raconter ses actions quotidiennes

Unit - II (12 hours)

TITRE:A PROPOS DE LOGEMENT

GRAMMAIRE : quelques adjectifs et pronoms indéfinis, les verbes lire, rompre et se plaindre

LEXIQUE : la localisation et le logement, les pièces, meubles et équipement

PRODUCTION ORALE : jeu de rôle –votre ami et vous s'installe dans un nouveau meuble

PRODUCTION ECRITE : décrire votre maison/appartement

Unit- III (12 hours)

TITRE:TOUS EN FORME!

GRAMMAIRE : le passé composé et l'imparfait, le passé récent, l'expression de la durée

LEXIQUE : un souvenir et les événements du passés, le corps humain : extérieur, le corps humain : intérieur

PRODUCTION ORALE : échanger sur ses projets de vacances

PRODUCTION ECRITE : raconter un souvenir

Unit - IV (12 hours)

TITRE:ACCIDENTS ET CATASTROPHES

GRAMMAIRE : les adjectifs et les pronoms indéfinis : rien/ personne/aucun, les verbes dire, courir et mourir

LEXIQUE : savoir les mots et les expressions des catastrophes naturelles, les maladies et les remédies, les accidents, les catastrophes naturelles

PRODUCTION ORALE : comprendre des personnes qui expriment leur accord ou leur

désaccord selon un thème donné

PRODUCTION ECRITE : écrivez sur une catastrophe naturelle en articulant la cause et la conséquence

Unit -V

(12 hours)

TITRE:FAIRE SES ETUDES A L'ETRANGER/ BON VOYAGE/ LA METEO

GRAMMAIRE : les pronoms démonstratifs neutres, le futur simple, situer dans le temps, moi aussi/non-plus – moi non/si, les verbes impersonnels, les verbes croire, suivre et pleuvoir

LEXIQUE : savoir vivre en France, le système scolaire, les formalités pour partir à l'étranger.

PRODUCTION ORALE : exprimer son opinion sur la météo/parler del'avenir

PRODUCTION ECRITE: comparer le système scolaire français et indien

Book for Study

P.Dauda,L.Giachino and C.Baracco, *Generation A2*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *Echo A2*, CLE International, 2^eedition,2013
2. Régine Mérieux and Yves Loiseau, *Latitudes A2*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers,2011

Web Resources

1. <https://www.frenchcourses-paris.com/french-travel-journal/>
2. <http://www.saberfrances.com.ar/vocabulary/house.html>
3. <https://www.thoughtco.com/different-past-tenses-in-french-1368902>
4. <https://www.youtube.com/watch?v=JZdwJM7sEY8>
5. <https://www.scholaro.com/pro/Countries/France/Education-System>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UFR41GL04	FRENCH – IV									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	1	3	2	2	3	2	1	2	2	2.1	
CO-2	3	1	2	3	3	3	2	1	3	1	2.2	
CO-3	3	2	3	2	2	3	2	1	3	2	2.3	
CO-4	3	1	2	2	3	3	3	1	3	3	2.4	
CO-5	2	2	3	3	1	3	1	2	3	2	2.2	
Mean overall Score											2.24 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UHI41GL04	HINDI - IV	4	3

CO No.	CO-Statements	Cognitive Levels (K -Levels)
	On successful completion of the course, students will be able to	
CO-1	list out the social conditions prevailed in Modern Period which are depicted in Hindi Literature.	K1
CO-2	discuss the dialects of Hindi language.	K2
CO-3	illustrate the works of some eminent Hindi Writers related to society.	K3
CO-4	analyze the human values expressed in life and literature of Hindi Novelist "Mamatha Kaliyah".	K4
CO-5	evaluate the film & Literary works in Hindi.	K5

Unit - I (12 Hours)

Computer ka yug
Prathyay
Adhunik Kal - Namakarn
Namakaran

Unit - II (12 Hours)

Vigyan hani/labh
Paryayvachy Shabdh
Adhunik Kal - Samajik Paristhithiyam
Samanarthy Shabdh

Unit - III (12 Hours)

Nari shiksha
Upasarg
Adhunik Kal – Sahithyik Paristhithiyam
Adhunik kal – Salient Features

Unit - IV (12 Hours)

Review- Book/Film
Paryavaran Pradookshan
Adhunik Kal - Main Divisions
Adhunik Kal - Visheshathayem

Unit - V**(12 Hours)**

Sapnom Kee Home Delivery (Novel)
Anuvad - 4

Books for Study

1. Dr. Sadananth Bosalae, *kavya sarang*, Rajkamal Prakashan, New Delhi, 2020.
Unit-I Chapters 4
2. M. Kamathaprasad Gupth, *Hindi Vyakaran*, Anand Prakashan, Kolkatta, 2020.
Unit-II, III and IV Chapter 2
3. Dr. Sanjeev Kumar Jain, *Anuwad: Siddhant Evam Vyavhar*, Kailash Pustak Sadan, MadhyaPradesh, 2019 **Unit-V** Chapter 2

Books for Reference

1. Hindi Niband Sangrah, V&S Publishers, 2015.
2. Rajeswar Prasad Chaturvedi, Hindi vyakarana, Upakar prakashan, 2015.
3. Ramdev, Vyakaran Pradeep, Hindi Bhavan, 2016.
4. Krishnakumar Gosamy, Anuvad vigyan ki Bhumika, Rajkamal Prakashan, 2016.
5. Acharya ramchandra shukla, Hindi Sahitya Ka Itihas, Prabhat Prakashan, 2021.

Web Resources

1. <https://youtu.be/xmr-DaQ3LhA>
2. <https://youtu.be/xIm-VEmgEg0>
3. <https://youtu.be/ZHuqxWbMtas>
4. <https://youtu.be/HGS63OJuHto>
5. <https://youtu.be/r-i3autqPug>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credits
IV	21UHI41GL04	HINDI - IV									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	2	3	3	2	3	2	3	1	2.4	
CO-2	3	2	3	3	2	3	2	3	1	2	2.4	
CO-3	3	2	2	3	2	2	1	3	2	3	2.3	
CO-4	3	2	3	1	3	3	2	3	3	2	2.5	
CO-5	3	2	2	3	3	2	3	2	3	3	2.6	
Mean Overall Score											2.44 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21USA41GL04	SANSKRIT - IV	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remember and identifying Mahabharatha characters and events.	K1
CO-2	understand human behaviors by studying dramas.	K2
CO-3	apply the morals learnt in day to day life.	K3
CO-4	create new conversational sentences and to Improve self-character (Personality Development).	K4
CO-5	appreciate ancient Sanskrit dramas.	K5

Unit - I (12 Hours)

Samskrita Vyavahara sahasri vakiya Prayogaha

Unit - II (12 Hours)

Lot Lakaarah , Prqayaogh Kartari Vaakyaani

Unit - III (12 Hours)

Naatakasya Itihaasah Vivaranam, Thuva and Tum Prathiyaha

Unit - IV (12 Hours)

Karnabhaaram , Naatakasya Visistyam

Unit - V (12 Hours)

Samskrita Rachanani priyogaha

Book for Study

Karnabhavam & Literature Language, 2019 , K.M Saral Sanskrit Balabodh , Bharathita vidya bhavan , Munshimarg Mumbai – 400 007

Books for Reference

1. R.S.Vadhyar & Sons , Book – sellers and publishers , Kalpathu ,Palghat – 678003 , Kerala , south India , History of Sanskrit Literature 2019

2. Kulapathy , K.M Saral Sanskrit Balabodh , Bharathita vidya bhavan , Munshimarg
Mumbai – 400 007 2018
3. Samskrita Bharathi , Aksharam 8 th cross , 2nd phase Giri nagar Bangalore Vadatu
sanskritam – Samaskara Binduhu 2019

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
IV	21USA41GL04	SANSKRIT-IV									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	2	2	3	2	3	2	3	3	2	2.5	
CO-2	2	2	3	2	3	3	3	3	3	2	2.4	
CO-3	3	3	2	3	2	1	1	3	3	3	2.4	
CO-4	2	3	3	3	2	1	3	3	3	2	2.5	
CO-5	2	2	3	2	3	3	3	3	2	3	2.6	
Mean Overall Score											2.48	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEN42GE04	GENERAL ENGLISH - IV	5	3

CO No.	CO-Statements	Cognitive Levels (K-Levels)
	On successful completion of this course, students will be able to	
CO-1	identify different local and global issues in given passages	K1
CO-2	understand explicit and implicit information given in written texts	K2
CO-3	use appropriate words and punctuations in writing	K3
CO-4	analyse written texts and modify them for better clarity	K4
CO-5	assess the coherence and cohesion of written texts and rewrite them	K5 & K6

Unit-I (15 Hours)

1. Women through the Eyes of Media
2. General Writing Skill: Writing Minutes of a Meeting
3. Grammar: Present Perfect Tense

Unit-II (15 Hours)

4. Effects of Tobacco Smoking
5. General Writing Skill: Note-Taking
6. Grammar: Present Perfect Continuous Tense

Unit-III (15 Hours)

7. Short Message Service (SMS)
8. General Writing Skill: Note-Making
9. Grammar: Past Perfect Tense

Unit-IV (15 Hours)

10. An Engineer Kills Self as Crow Sat on his Head: A Newspaper Report
11. General Writing Skill: Précis Writing
12. Grammar: Past Perfect Continuous Tense

Unit-V (15 Hours)

13. Traffic Rules
14. General Writing Skill: Paragraph Writing
15. Grammar: Future Perfect Tense and Future Perfect Continuous Tense

Book for Study

Jayraj, S. Joseph Arul et al. *Trend-Setter: An Interactive General English Textbook for Under Graduate Students*. Trinity, 2016.

Books for Reference

1. Clark Peter, Roy. *Writing Tools: 50 Essential Strategies for Every writer*. USA: Little, Brown Spark Publishers, 2008.
2. Carnegie, Dale. *The Quick and Easy Way to Effective Speaking*. India: Fingerprint Publishers, 2018.
3. Vaughn, Steck. *Reading Comprehension*. USA: Steck-Vaughn Co, 2014.
4. Birkett, Julian. *Word Power: A Guide to Creative writing*. India: Bloomsbury Academic, 2016.
5. Knight, Dudley. *Speaking with Skill: An Introduction to Knight-Thompson Speechwork*. USA: Methuen Drama, 2016.

Web Resources

1. <https://blog.lingoda.com/en/10-news-sites-to-practice-your-english-reading-skills/>
2. <https://www.espressoenglish.net/how-to-learn-english-for-free-50-websites-for-free-english-lessons/>
3. <https://www.ef.com/wwen/english-resources/>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credits
IV	21UEN42GE04		GENERAL ENGLISH - IV								5	3
Course Outcome (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	2	2	3	2	3	2	3	2	2.4	
CO-2	2	2	3	2	3	3	2	3	2	2	2.3	
CO-3	2	3	2	3	2	2	3	2	3	2	2.4	
CO-4	2	2	3	2	3	3	2	3	2	3	2.5	
CO-5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43CC07	CORE – 7: MACROECONOMICS – II	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the concepts and objectives of macroeconomic policies.	K1
CO–2	infer the performances of rational expectations in unemployment and inflation.	K2
CO–3	understand the significance of theory of distribution in the macroeconomics.	K2
CO–4	interpret the significance of capital accumulation.	K3
CO–5	explain the various phases of Business cycle.	K4

Unit – I: Rational Expectations Theory (18 Hours)

Meaning, concepts and definitions of Rational Expectations - Philips curve: unemployment and inflation – Nobel Laureate Robert Lucas’ contributions to Rational Expectations.

Unit – II: Macroeconomic Theories of Distribution (18 Hours)

Definitions - Meaning and Importance - Types: Personal and Functional Distribution – Kaleckian model - Kaldor and Keynes theories of distributions.

Unit – III: Joan Robinson’s Model of Capital Accumulation (18 Hours)

Definitions – Capital Accumulation - Robinson Model – Factors - Assumptions - Golden Rule of Accumulation - Uses and limitations of model - Its applicability to developing countries.

Unit – IV: Business Cycle (18 Hours)

Definitions – Characteristics - Classification of Business cycle - Phases of Business Cycle: Boom or Prosperity – Recession – Depression - Recovery

Unit – V: Macroeconomic Policies (18 Hours)

Meaning - Definitions and objectives of Macroeconomic Policy – Macroeconomic goals – Monetary Policy - Fiscal Policy.

Books for Study

1. Jhingan M. L, *The Economics of Development and Planning*, 13th Revised edition, 2016, ISBN 81-87125-62-4, Vrinda Publication (P) Ltd, New Delhi.
2. Edward Shapiro, *Macro Economic Analysis, Galgotia*, 13th edition , 2013, New Delhi.

Books for Reference

1. Agrawal R.C, *Economics of Development and Planning*, 5th Revised Edition 2011, Lakshmi Narain Agarwal, Agra.
2. Seth, M.L, *Macro Economics*, Revised Edition 2017- Lakshmi Narian Agarwal, Agra.
3. Ackley,G., *Macro Economic Theory and Policy*, Macmillan- New York ,1973.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course					Hours	Credits			
IV	21UEC43CC07	CORE-7: MACROECONOMICS-II					6	4			
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	1	2	2	2	2	3	2	2	2	1	1.9
CO-2	2	1	3	2	1	2	3	3	2	3	2.2
CO-3	2	2	2	2	2	3	3	3	3	2	2.4
CO-4	3	3	2	2	1	2	2	2	2	3	2.2
CO-5	2	2	3	2	3	2	2	3	2	2	2.3
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43CC08	CORE – 8: LABOUR ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the significance of Trade Union and to develop the managerial and leadership skills	K1
CO–2	explain the different types of wages and wage rates.	K2
CO–3	describe the concepts and importance of Labour Economics.	K3
CO–4	analyse the social security schemes for labourers.	K4
CO–5	compare the important issues of agricultural and industrial labour.	K4

Unit – I: Basic Concepts and Labour Market (15 Hours)

Meaning and concept of labour - Definition, nature, scope of Labour Economics – Labour Market Segmentation - Labour Market Policies - Labour in the unorganized sector - Sengupta Report – Mobility of labour - Child Labour – Women Labour.

Unit – II: Wage Determination (15 Hours)

Wage concepts – Determination - Minimum wage, fair wage and living wage - Productivity and wage relationship – Types of wages in India – Differential Wage Rates - Need for State Regulation of wages - National Wage Policy and Wage Boards in India.

Unit – III: Trade Union, Industrial Disputes and Labour Legislations (15 Hours)

Meaning and objectives of Trade Union - Trade Union Movement in India- Problems and draw backs - Measures to strengthen the Trade Union Movement - Industrial disputes: meaning - causes and effects of industrial disputes - Prevention of industrial disputes - Collective Bargaining - Labour Legislation in India.

Unit – IV: Issues of Labour in India (15 Hours)

Industrial labour: meaning and characteristics of Industrial Labour in India -Contract Labour- LPG and its Impact on Labour- Agricultural Labour: Meaning and Characteristics: Casual labour, attached labour, and bonded labour- Problems of agricultural labour in India- Government measures to improve the conditions of agricultural labour.

Unit – V: Social Security Measures of Labour (15 Hours)

Meaning and need for Social Security Measures - Social Assistance and Social Insurance - Social Security Legislations in India: Workmen’s Compensation Act-1923, Employees’ State Insurance Scheme Act-1948, Maternity Benefits Act-1961, the Provident Fund Act-1952,

The Building and Other Construction Workers Welfare Cess Act, 1996 and The Unorganised Workers' Social Security Act, 2008 EPF and its features - The Code on Social Security, 2020.

Books for Study

1. Thyagi B.P (1986), *Labour Economics and Social Welfare*, Jai Prakash Nath & Co., Meerut
2. Sharma A.K (2006), *Labour Economics*, Anmol Publications, New Delhi.
3. Binod Prasad (2015), *Labour Economics*, Anmol Publications, New Delhi.

Books for Reference

1. Hajela, P.D,(1988) *Labour Restructuring in India: A Critique of the New Economic Policies* Common wealth Publishers, New Delhi
2. VenkataRatnam, C.S(2007), *Globalization and Labour Management Relations Dynamics of change*, Sage, New Delhi
3. Memoria, C.B.(1996) *Labour Problems and Social Welfare in India*, Allahabad, KitabMahae.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UEC43CC08	CORE-8: LABOUR ECONOMICS									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	1	3	2	3	2	2	2	3	2.2	
CO-2	2	3	2	2	2	3	3	2	3	2	2.4	
CO-3	1	2	2	3	2	2	2	3	2	2	2.1	
CO-4	1	3	2	2	3	3	2	2	2	2	2.2	
CO-5	1	2	3	2	2	2	3	2	3	3	2.3	
Mean overall Score											2.24 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43AO04A	ALLIED OPTIONAL – 2: STATISTICS FOR ECONOMICS – II	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the various statistical tools to foster research attitude in Economics.	K1
CO–2	understand basic counting techniques to compute probability.	K2
CO–3	calculate various methods of correlation and compute and interpret simple linear regression between two variables.	K3
CO–4	calculate different types of index numbers and apply the importance of index numbers in Indian Economy.	K3
CO–5	distinguish various measurements of trend like methods of semi average, moving average and least square.	K4

Unit – I: Correlation Analysis (18 Hours)

Meaning - Significance of the study of Correlation - Correlation and Causation - Types of Correlation: Positive, Negative, Partial, Multiple, Linear and Non-Linear - Methods of Studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation.

Unit – II: Regression Analysis (18 Hours)

Meaning - Difference between Correlation and Regression - Regression Lines - Regression Equations of X on Y and Y on X Only - Regression Coefficients.

Unit – III: Index Numbers (18 Hours)

Meaning - Uses – Classification – Types - Cost of Living Index (CPI) - Problems in construction – Methods - Paasche, Laspeyres and Fishers Ideal Index numbers – Adequacy Test.

Unit – IV: Analysis of Time Series (18 Hours)

Meaning and Definition-Utility of Time Series Analysis - Components of Time series - Measurement of Trend: Graphic Method - Semi-Average Method - Moving Average Method - Least Square Method.

Unit – V: Probability (18 Hours)

Meaning and concepts – Different Schools of thought- Theorems of Probability: Addition Theorem and Multiplication Theorem – Calculation of Probability - Permutation and Combination- Simple Problems.

Book for Study

Gupta S.P. *Statistical Methods*. Sultan Chand & sons, New Delhi, 2021.

Books for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai,R.S.N.& Bagavathi. V, *Statistics, Theory and Practice*, S.Chand , New Delhi, 2010.
3. Croxton,F.E., Cowden,D.J and Klein.S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UEC43AO04A	ALLIED OPTIONAL – 2: STATISTICS FOR ECONOMICS – II									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	1	1	3	3	2	2	2.2	
CO-2	2	3	3	3	1	1	2	3	2	2	2.2	
CO-3	3	3	3	3	2	1	2	3	2	1	2.3	
CO-4	3	3	1	2	1	2	3	2	2	1	2.0	
CO-5	3	3	2	3	1	3	3	2	2	1	2.3	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43AO04B	ALLIED OPTIONAL – 2: ENTREPRENEURIAL DEVELOPMENT	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the concepts of Entrepreneurship and its relevance.	K1
CO–2	understand Entrepreneurial Motivation and behavior.	K2
CO–3	relate economic development and entrepreneurial growth.	K3
CO–4	explain Entrepreneurial Development Programmes and their institutes.	K4
CO–5	appraise various methods of Project report or a business plan.	K4

Unit – I: Concept of Entrepreneurship (18 Hours)

Entrepreneurship – Meaning, nature and characteristics – Entrepreneur – Types, Qualities and Functions - Similarities and differences between entrepreneur and intrapreneur - Growth of Entrepreneurship in India - Role of entrepreneurship in economic development

Unit – II: Entrepreneurial Motivation and Behaviour (18 Hours)

Meaning, Process and Theories - Maslow’s Need Hierarchy - Entrepreneurial Motivating Factors: Internal, External and Others - Changes in Entrepreneurial Motivation - Entrepreneurship and Achievement Motive - Entrepreneurial Motivational behavior.

Unit – III: Entrepreneurship Development Programmes (EDPs) (18 Hours)

Meaning, Need and objectives of EDPs – Phases, Evaluation and Problems of EDPs - EDPs in India: A historical perspective-: EDP institutions in India and their functions - NIESBUD, New Delhi: SIET Institute, Hyderabad: ITCOT AND SIPCOT in Tamil Nadu: SISI and NSIC - The role of Development banks and Commercial banks.

Unit – IV: Establishing an Enterprise (18 Hours)

Process of setting up a new business - Sources of business idea - Project classifications - identifications – Selection of a Viable Project - Product development and Selection - Preparation of Project Report - Project Appraisal methods.

Unit – V: Economic development and Entrepreneurial growth (18 Hours)

Role of Entrepreneur in economic growth - Strategic approaches in the changing economic scenario for small scale entrepreneurs - Development of women entrepreneurship - Financing SHGs and their role in Micro-financing - Financial inclusion and its penetration in India, Challenges and Government’s role in financial inclusion – Pradhan Mantri Jan - DhanYojana - Six Pillars of its Mission objectives.

Books for Study

1. S.S. Khanka, *Entrepreneurial Development*, S.Chand & Company Limited, New Delhi, 2020.
2. Sangeeta Sharma, *Entrepreneurial Development*, PHI Learning Private Limited, Delhi, 2016

Books for Reference

1. Jayshree Suresh, *Entrepreneurial Development*, Margham publications, Chennai, 2010.
2. P.Saravanavel & P.Sumathi, *Entrepreneurship Development Principles, Policies and programmes*, Margham publications, Chennai, 2020.
3. Vasant Desai., *Dynamics of Entrepreneurial Development*, Himalaya Publishing house, New Delhi, 2011.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UEC43AO04B	ALLIED OPTIONAL – 2: ENTREPRENEURIAL DEVELOPMENT									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	2	3	2	2	2	2	2.2	
CO-2	3	3	2	3	2	3	2	2	2	3	2.5	
CO-3	3	3	2	3	2	3	3	2	2	1	2	
CO-4	3	3	2	2	2	2	3	2	2	2	2	
CO-5	2	3	3	3	2	3	2	3	2	2	2.3	
Mean overall Score											2.4 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC44SE02	SEC – 2 (BS) : FINANCIAL ECONOMICS	2	1

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	identify the alternative approaches to economic problems through exposure in allied fields.	K1
CO–2	predict economic decisions with relevance to real life problems.	K2
CO–3	interpret financial portfolios in both money and capital markets for sustainable economic growth.	K3
CO–4	analyse the role played by time, uncertainty, information and inflation in evaluating financial instruments.	K4
CO–5	infer the economic and financial data to be applied in research.	K4

Unit – I: Introduction to Financial System and Financial Markets (6 Hours)

Financial System: Structure and Functions - Financial markets - Financial Instruments - Role of Financial system - Financial system and economic development.

Unit – II: Money Market and Capital Market (6 Hours)

Money market: Meaning, Functions and Instruments - Features of money market - Capital market: Meaning, Functions and Structure: Primary and Secondary markets.

Unit – III: Security Market Analysis (6 Hours)

Risk - Return on risk - types of risk - Security Evaluation: Fundamental Analysis, Technical Analysis - Derivatives: Options, Futures/Forwards, Swaps, Construction of Stock market indices.

Unit – IV: Indian Financial System (6 Hours)

Structure of Indian Financial System - Organization and management of Indian Stock Exchanges - SEBI , OTCEI, BSE, BOLT, SENSEX, NSE, NEAT, NIFTY, ISE - Credit rating agencies in India - CRISIL, ICRI, CIBIL CARE - International credit rating agency – S and P, Fitch ratings - Recent financial sector reforms.

Unit – V: Corporate Finance (6 Hours)

Patterns of corporate financing: common stock, debt, preferences, convertibles, Capital structure and the cost of capital - corporate debt and dividend policy.

Books for Study

1. David G. Luenberger, *Investment Science*, Oxford University Press, USA, 1997.
2. Hull, John C. and Sankarshan Basu, *Options, Futures and Other Derivatives*, Pearson Education, 2016
3. Khan M Y., *Indian Financial System*, McGraw Hill Education, 2015
4. Richard A. Brealey and Stewart C. Myers, *Principles of Corporate Finance*, McGraw – Hill, 7th edition, 2002.

Books for Reference

1. Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, *Fundamentals of Corporate Finance*. McGraw-Hill, 7th edition, 2005.
2. Bhole, L M (1999): *Financial Institutions and Markets*, TATA McGraw Hill Co Ltd, New Delhi
3. Preethi Singh (2009): *Dynamics of Indian Financial system, markets, institutions And services*, Annes Books Pvt Ltd, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UEC44SE02	SEC-2 (BS) : FINANCIAL ECONOMICS									2	1
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	2	3	2	3	3	2	2.6	
CO-2	2	3	1	2	2	3	3	3	3	1	2.3	
CO-3	3	2	2	3	1	2	3	3	2	1	2.2	
CO-4	2	1	2	3	1	2	3	2	2	1	1.9	
CO-5	3	3	2	3	2	1	2	3	3	1	2.3	
Mean overall Score											2.26 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UHE44VE04A	PROFESSIONAL ETHICS–II: SOCIAL ETHICS - II	2	1

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On completion of this course the graduates will be able to	
CO-1	know the value of natural recourses and to live in a harmony with nature.	K1
CO-2	comprehend the importance of a healthy life.	K2
CO-3	apply the plans of disaster management in the society.	K3
CO-4	analyse the importance and differences of science and religion.	K3
CO-5	apply counseling skills and solve their problems.	K4

Unit-I Harmony with Nature (6-Hours)

What is environment, Why should we think of harmony, Principles to conserve environmental resources, Causes of disharmony, The fruits of harmony with nature, Natural Resources, Fruits of disharmony, Economic values and growth, Environmental Ethics, Guidelines to live in harmony with nature, Towards life-centered system for better quality of life. Harmony with animal kingdom.

Unit-II Issues Dealing with Science and Religion (6-Hours)

What is Science, Science and Religion, Social Relevance of Science and Technology, Science and technology for social justice, Difference caused by Science and Technology, Need for indigenous technology, Science and Technology Innovation Policy of India.

Unit-III Public Health (6-Hours)

Health related issues, Health Care in India vs Developed Countries, Health and Heredity, Public Health - Objectives of public health in India, Public Health System in India, Failure on the public health front, Role of the central government, Hospitals Services in India, Health and Abortion, Drug Addiction and Drug abuse

Unit-IV Disaster Management (6-Hours)

Disaster Management, Types of disaster, Plans of disaster management, Technology to manage natural disasters and catastrophes, Rehabilitation and Reconstruction, Human-induced disaster, First Aid, The importance of First-aid.

Unit-V Counselling for Adolescents (6-Hours)

High Risk Behaviours, Developmental Changes in Adolescents, Key Issues of the Adolescents, Need for Counselling, Nature of Counselling, Counselling Goals, Does helping help? The Good and the Bad news.Importance of Career Guidance Counselling.

Books for Study

1. Department of Human Excellence, *Formation of Youth*, St Joseph's College (Autonomous), Tiruchirappali 02, 2021.

Books for Reference

1. Albert, D. and Steinberg, L, *Judgment and decision making in adolescence*: Journal of Research on Adolescence, page no: 211-224. 2011
2. Larry R. Collins, *Disaster Management and Preparedness*, Lewis Publications, 22 November 2000.
3. Elizabeth B. Hurlock, *Developmental Psychology: A: Life-Span Approach*, New Delhi: Tata McGraw-Hill, 1981, 5th Edition, August 18, 2001.
4. Sangha, Kamaljit. *Ways to Live in Harmony with Nature: Living Sustainably and Working with Passion*. Australia, Woodslane Pty Limited, 2015.

Web Sources:

https://en.wikipedia.org/wiki/Disaster_management_in_India

<https://ndma.gov.in/>

<https://talkitover.in/services/child-adolescent-counselling/>

<https://www.nipccd.nic.in/schemes/adolescent-guidance-centre-19#gsc.tab=0>

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UHE44VE04B	PROFESSIONAL ETHICS II: RELIGIOUS DOCTRINE - II	2	1

CO.No.	CO-Statements	Cognitive Levels (K –Levels)
	On completion of this course, the graduates will be able to:	
CO-1	Understand the history of the Catholic Church	K1
CO-2	Examine and grasp the Sacraments of the Catholic Church	K2
CO-3	Apply the Christian Prayer to their everyday life	K3
CO-4	Analyze themselves in the light of Sacraments & Christian Prayer	K4
CO-5	Create a harmonious society learning values from all religions	K5 & K6

Unit-I	The Catholic Church	(6 Hours)
Unit-II	Sacraments of Initiation	(6 Hours)
Unit-III	Sacraments of Healing & at the Service of Community	(6 Hours)
Unit-IV	Christian Prayer	(6 Hours)
Unit-V	Harmony of Religions	(6 Hours)

Books for Study

Department of Human Excellence, *Life in the Lord: Religious Doctrine*. St. Joseph's College, Trichirappalli 02, 2021.

Books for Reference

1. *Compendium: Catechism of the Catholic Church*. Bengaluru: Theological Publications in India, 1994.
2. Holy Bible (NRSV).

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53CC09	CORE – 9: BASIC ECONOMETRICS	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the nature and scope of econometrics.	K1
CO–2	understand the key classical assumptions in the field of econometrics.	K2
CO–3	estimate the values using least squares method in evaluating the relationship.	K2
CO–4	construct the econometric models using variables and relationships of economic theories.	K3
CO–5	explain the basic concept of Multiple Linear Regression Analysis.	K4

Unit – I: Nature and Scope of Econometrics (21 Hours)

Econometrics: Meaning - Definition – Scope – Objectives – Methodology of Econometrics - Specification- Mathematical Economics and Econometrics –Types of Econometrics.

Unit – II: Simple Linear Regression Analysis (21 Hours)

Estimation of Parameters - Statistical Inference - Confidence Intervals for the Estimated Parameters, Coefficient of Determination, Prediction with the Simple Regression model.

Unit – III: Multiple Linear Regression Analysis (21 Hours)

Multiple linear regression model- Estimation of parameters, goodness of fit - adjusted R^2 , partial regression coefficients, Testing of hypotheses – Individual and Joint significance: t and F- tests.

Unit – IV: Problems of OLS Method (21 Hours)

Problems in OLS Methods: Analysis of Residuals – Heteroscedasticity, Autocorrelation and Problem of Multicollinearity - their Consequences, Detection and Remedies.

Unit – V: Dummy Variable (21 Hours)

Introducing dummy (independent) variables - nature of dummy variables, variables with two categories and more than two categories, Dummy variable trap.

Book for Study

Domodar N. Gujarati, Dawn Porter and Sangeetha Gunasekar, *Basic Econometrics*, Fifth Edition, McGraw Hill/Irwin, 2017.

Books for References

1. Greene, William H. *Econometric Analysis*. 6th Edition, Prentice Hall. 2008.
2. Johnston J. and Dinardo, J. *Econometric Methods*. 4th Ed. McGraw-Hill 1997.
3. Ramanathan, Ramu, *Introductory Econometrics with Applications*, 5th edition, 2002, Thomson Asia Pte Ltd., Singapore.
4. Stock, James H., and Mark W. Watson (2006): *Introduction to Econometrics*, Second Edition, (Addison-Wesley Series in Economics).
5. Wooldridge, J., *Introductory Econometrics: A Modern Approach*, 2015, Nelson Education.
6. S.Shymala, Navdeep Kaur and T.Arul Pragasam, *A Text book on Econometrics, Theory and Application*, Vishal Publishing Co, 2019.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53CC09	CORE-9: BASIC ECONOMETRICS									7	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	2	3	2	2	3	2.3	
CO-2	1	3	2	3	2	3	3	2	2	3	2.3	
CO-3	1	2	3	2	3	2	3	2	3	2	2.3	
CO-4	1	2	2	1	2	2	3	2	2	2	2	
CO-5	2	2	2	2	3	1	3	2	2	3	2.1	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53CC10	CORE – 10: MONEY AND BANKING	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the potential significance of monetary phenomenon and relate them with ethical values.	K1
CO–2	discuss the functions of money and its global impact.	K2
CO–3	illustrate the influence of monetary policies on banking functions and also the societal effects.	K3
CO–4	compare the various financial instruments and their relevance to the society.	K4
CO–5	analyse the impact of inflation, trade cycle, nationalisation and bank rates on domestic and world economy.	K4

Unit – I: Money: Theory and Approaches (21 Hours)

Money: Meaning, functions and classification - Gresham's Law – Value of Money – Measurement using Index Numbers – Quantity theory of money - Cash Transactions and Cash Balance Approaches – Milton Friedman's Restatement of Quantity Theory - The Keynesian approach.

Unit – II: Inflation and Trade Cycle (21 Hours)

Definition, Types, Causes and Effects of Inflation on different sectors of the Economy - Types of Inflation: Demand–pull and Cost–push Inflation – Measures to control Inflation - Phillips Curve - Trade cycle: structure, causes, effects and methods to control – Theories of Trade cycle: Hawtrey, Von-Hayek and Hicks.

Unit – III: Commercial Banking (21 Hours)

Commercial banks: Meaning, types and functions – Process of credit creation - Purpose and limitations – Liabilities and assets of banks – Commercial banking in India – Nationalization – Recent reforms in banking sector in India.

Unit – IV: Central Banking (21 Hours)

Functions of Central Bank- Quantitative and Qualitative methods of credit control – Bank rate policy, Open market operations, Cash Reserve Ratio and selective methods – Role and functions of the Reserve Bank of India – Demonetisation.

Unit – V: Money and Capital Markets and Monetary Policy (21 Hours)

Structure and importance of Money Market – London and New York Money Markets – Indian Money market and Capital markets: structure, features and functions – Monetary Policy: objectives, functions and limitations with reference to India – Monetary Policy Review Committee.

Books for Study

1. Sundaram K.P.M, *Money Banking and International Trade*, 1990.
2. Hajela T. N., *Money Banking and International Trade*, ANE Books, 2009.
3. Jhingan M L, *Money, Banking, International Trade and Public Finance*, Vrinda Publications, 2013
4. Mithani D M, *Money, Banking, International Trade and Public Finance*, Himalaya Publishers, 2018

Books for Reference

1. Gupta, S. B., *Monetary Economics*, S. Chand & Company, New Delhi, 1994.
2. Mishra, S. S., *Money, Inflation and Economic Growth*, Oxford & IBH, New Delhi, 1981.
3. Sayers, R. S., *Modern Banking*, OUP, New Delhi, Seventh Edition, 1978.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course					Hours	Credits				
V	21UEC53CC10	CORE-10: MONEY AND BANKING					7	4				
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	1	2	3	2	3	3	2	2	3	2.4	
CO-2	3	2	2	3	3	1	3	3	2	2	2.4	
CO-3	3	3	1	2	2	2	3	3	3	2	2.4	
CO-4	2	2	1	3	1	2	3	3	2	2	2.1	
CO-5	3	3	1	3	2	2	3	3	3	2	2.5	
Mean overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES01A	DSE – 1: RESEARCH METHODS IN ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the concepts of research.	K1
CO–2	compare the different types of research.	K2
CO–3	discover the research problems for better understanding of the socio- economic conditions of the people.	K3
CO–4	apply the skills of sampling techniques to collect the survey data.	K3
CO–5	infer the research report writing for policy making to uplift the society.	K4

Unit – I: Fundamental Concepts of Research (15 Hours)

Meaning, objectives, and criteria of Research - Types of research: pure, applied, historical, analytical, descriptive, experimental, scientific method and case study method - Process of research - Problems encountered by researchers in Economics – Qualities of a researcher.

Unit – II: Research Design (15 Hours)

Research problem - identification, selection and formulation of research problem - Review of literature: Published Sources - On-line Sources - Research Gap.

Unit – III: Census and Sampling (15 Hours)

Census vs Sampling - Types of sampling – Probability and non-probability sampling - Methods of data collection - Primary and secondary methods

Unit – IV: Hypothesis (15 Hours)

Research Hypothesis: meaning, sources, formulation, concepts, importance and types of hypothesis – Statistical Hypothesis: Null and Alternative - Procedure for testing hypothesis – Type - I and Type - II errors – Concept of Standard Error.

Unit – V: Analysis, Interpretation and Report Writing (15 Hours)

Process of data analysis - editing, coding, tabulation, diagrams - process of interpretation - Scaling techniques - Report writing - Significance of report writing - Different steps in writing the report - Mechanics of writing a research report.

Books for Study

1. Kothari C.R, & Gaurav Garg, *Research Methodology*, New Age International, New Delhi, 2019.

2. Kurien C.T, *A Guide to Research in Economics*, National Publishing House, New Delhi, 1983.

Books for Reference

1. Wilkinson and Bandarkar, *Methodology and Techniques of Social Research*, Himalaya, Mumbai, 1984.
2. Young P.V, *Scientific Social Surveys and Research*, Prentice- Hall of India, New Delhi, 1977.
3. Gopal M. H, *An Introduction to Research Procedures in Social Sciences*, Asia Publishing House, Mumbai.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53ES01A	DSE-1: RESEARCH METHODS IN ECONOMICS									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	3	3	3	3	2	2	2.7	
CO-2	3	2	3	3	2	3	3	2	2	2	2.5	
CO-3	3	3	2	3	2	3	3	2	3	2	2.6	
CO-4	3	3	1	3	1	3	2	3	1	1	2.1	
CO-5	3	3	2	3	3	3	3	3	3	1	2.7	
Mean overall Score											2.52 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES01B	DSE – 1: ECONOMICS OF HEALTH AND EDUCATION	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	recognize the subjects of health and education by understanding their importance in economic and human development.	K1
CO–2	associate economic principles and theories in interpreting the supply and demand of health care and education.	K2
CO–3	illustrate the methods of measuring programmes and interventions in the fields of health and education.	K3
CO–4	analyse the policies related to health and education with a special focus on Ayushman Bharat and the New Education Policy of India.	K4
CO–5	point out the relationship between health and education, their application in human resource development and environmental sustainability.	K4

Unit – I: Role of Health and Education in Human Capital Formation (15 Hours)

Meaning and definitions of health and education - Relationship between health, education and human development - Concept of human capital formation - its role and importance in economic development - Indicators of human development.

Unit – II: Health market and Health insurance (15 Hours)

Health as a Good: Demand for and supply of healthcare - Determinants of health - Market failure in the health sector and its reasons: excludability and consumption rivalry, Tragedy of the Commons - Role of Health in Human Development - Health Insurance: its Uncertainty, Moral Hazard and Adverse Selection, Asymmetric Information and Death Spiral – Private and Public health insurance - Health care system in India – Health insurance in India with a focus on Ayushman Bharat.

Unit – III: Economic efficiency and Cost effectiveness in Health Care (15 Hours)

Definition of Economic Evaluation - Types of economic evaluation - Costing techniques: Cost Minimization Analysis, Cost Benefit Analysis, Cost Utility Analysis, QALY & DALY, Cost Effectiveness Analysis and Willingness to Pay Approach - An overview of health policy and programmes in India including the Noon-meal Schemes for students

Unit – IV: Education and Human Capital Formation (15 Hours)

Role of Education in improving employment opportunities - Various indices to measure educational status: Education Index, Literacy rate, Adult Literacy Rate and Gross Enrolment ratio - Importance of Education in economic development - Education system in India.

Unit – V: Education, Technology and Human Resource Development (15 Hours)

Human capital formation and socio-economic development - Knowledge revolution and Knowledge economy - New Challenges in the field of education - Demographic dividend - Workforce: planning, training and skill development through education - The New Education Policy in India and its challenges.

Books for Study

1. Jay Bhattacharya, Timothy Hyde, Peter Tu. *Health Economics*, Palgrave MacMillan.
2. Jack, William (1999), *Principles of Health Economics for Developing Countries*. World Bank Publications.

Books for Reference

1. Gary S. Becker, *Human Capital: A Theoretical and Empirical Analysis with Special Reference To Education*, Third Edition, The University Of Chicago Press.
2. World Development Report (1993), *Investing in Health*, The World Bank,
3. Folland, Goodman, and Stano (FSG). *The Economics of Health and Health Care*. 5th Edition. Pearson Prentice Hall Press
4. Kishor, Sunita and Gupta, Kamla (2009), *National Family Health Survey 2005-06: Gender Equality and Women's Empowerment in India. Handbook of Contemporary Education Economics*, 2nd edition, ISBN: 978 1 78536 906 3
5. Laxmi Devi (ed.) (1997), *Economics of Education*, Anmol Publications-New Delhi

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53ES01B	DSE-1 : ECONOMICS OF HEALTH AND EDUCATION									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	3	3	2	3	3	3	1	2	2	2.4	
CO-2	3	3	3	3	3	3	3	3	3	2	2.9	
CO-3	3	2	3	2	2	2	3	3	2	2	2.4	
CO-4	3	3	3	2	2	2	3	3	2	2	2.5	
CO-5	3	3	3	3	3	1	3	1	3	2	2.5	
Mean overall Score											2.54 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES02A	DSE-2 : ECONOMICS OF INFRASTRUCTURE	5	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the significance and role of infrastructure in economic development. Identify the different sources of energy in Indian Economic development	K1
CO-2	estimate the demand for transport and cost in postal services and telephone industry	K2
CO-3	describe the significance and role of infrastructure in economic development.	K2
CO-4	illustrate the role of PPP in infrastructural development of India.	K3
CO-5	explain the infrastructural facilities available for service sector.	K4

Unit – I: Importance of Infrastructure

(15 Hours)

Infrastructure: Meaning, importance and role in economic development - Infrastructure as a Public good – Social and Physical infrastructure - Special characteristics of infrastructure - pricing of infrastructure.

Unit – II: Transport and Communication

(15 Hours)

Demand for Transport - Cost functions in the transport sector - principle of pricing - special problems of individual modes of transport - Functions of Toll Gate - Telephone utilities- Cost in Telephone Industry - characteristics of postal services - Role of ICT in Indian Context.

Unit – III: Energy, Electricity and Water Supply

(15 Hours)

Primacy of energy in the process of economic development – factors determining demand for energy- effects of energy shortages - energy conservation- renewable and non-renewable sources - Relative economics of Thermal, hydel and nuclear power plants - the case for a National Power Grid - Water: Sources, Demand and Supply Aspects.

Unit – IV: Education and Health

(15 Hours)

Education and economic growth - the case of universal, free, primary education, structure of higher education in India – Health Dimensions: Determinants of Health, Poverty, Malnutrition, Illiteracy and lack of health information.

Unit – V: Organisation and Financing of Infrastructure

(15 Hours)

Organisation and Financing of social services - Private Vs Public sector financing - Public and Private Partnership (PPP) in infrastructure - Regional infrastructure with special reference to Tiruchirappalli.

Books for Study

1. Dash. L.N (2007), *Economics of Infrastructure: Growth and Development*, Regal, New Delhi.
2. Reddy. K.C(2000), *Economics and Public Policy*, Himalaya Mumbai

Books for Reference

1. Ashok V. Desai (1990), *Energy Demand, Analysis, Management and Conservation*, Wiley Eastern.
2. Choudhuri. R.K. (1986), *Economics of Public Utility*, Himalaya Mumbai.
3. Raghuram G, & RekhaJain (1999), *Infrastructure Development and Financing*, Macmillan New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53ES02A	DSE-2: ECONOMICS OF INFRASTRUCTURE									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	2	2.3	
CO-2	2	3	2	2	3	2	2	2	2	2	2.2	
CO-3	2	2	2	2	2	3	3	2	2	2	2.2	
CO-4	3	2	2	2	2	3	3	2	2	2	2.3	
CO-5	2	2	2	2	2	3	3	2	2	2	2.2	
Mean overall Score											2.24 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES02B	DSE – 2: ENVIRONMENTAL ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	understand the importance of environmental impact on economic development.	K1
CO–2	describe the basics of environmental and energy economics.	K2
CO–3	illustrate the details of Environmental policies in India.	K3
CO–4	explain the environmental and energy related issues.	K4
CO–5	identify the causes of Industrial pollution.	K4

Unit – I: Introduction to Environmental Economics (15 Hours)

Definition, role and significance of Environment- Ecology, Eco-system: components, kinds and functions of Eco-system – Trade–off between economic growth and environment.

Unit – II: Natural Resources (15 Hours)

Importance of Natural resources: forest, water and soil - Need for conservation of resources: – Energy resources - Conservation of biodiversity - Methods of conservation.

Unit – III: Energy Economics (15 Hours)

Meaning and importance of energy economics - Energy Resources: Types and Classification Renewable and Non-renewable sources - Conventional and Non-conventional sources of energy.

Unit – IV: Energy Problems and Planning in India (15 Hours)

Nature of the energy problems in India - Present energy situation - Future energy demand - Energy Planning in India - Role of energy in economic development.

Unit – V: Environmental Issues and Legal Measures (15 Hours)

Industrial pollution – Trade related environmental issues - Environmental Law - Air Act, Water Act, Municipal solid waste rule 2000, Compensatory Afforestation Fund Act, 2016, Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Act, Pollution Control - Noise Pollution Control 2002 - Environmental Protection Act, 1986 - Energy policies in India.

Book for Study

Sankaran, *Environmental Economics*, Sterling, New Delhi, 2008.

Books for Reference

1. Dhulasi Birundha Varadarajan, *Energy Economics*, Sterling, New Delhi, 1993.
2. Karpagam, M., *Environmental Economics*, Sterling, New Delhi, 1999.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53ES02B	DSE-2: ENVIRONMENTAL ECONOMICS									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	2	2.3	
CO-2	2	3	2	1	2	3	3	2	2	3	2.3	
CO-3	2	2	3	2	3	2	2	2	2	2	2.2	
CO-4	2	2	1	3	3	2	3	2	2	2	2.2	
CO-5	2	2	2	2	3	3	2	2	2	3	2.3	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53SP01	SELF PACED LEARNING: PRINCIPLES OF POLITICAL ECONOMY	-	2

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the discourse of economics.	K1
CO-2	explain the competing perspectives of what constitutes a good society.	K1
CO-3	understand the Marxian theory of class exploitation.	K2
CO-4	calculate the neoclassical measure of social welfare.	K3
CO-5	compare the demand for labour and supply of labour to reach labour market equilibrium.	K4

Unit – I: The Discourse of Economics

What is Economics? - A Brief History of the Discipline of Economics - The Dominance of Neoclassical Economics - The Positive/Normative Distinction in Neoclassical Economics- A Neoclassical Model of Production Cost.

Unit – II: A Good Society

Competing Perspectives of What Constitutes a Good Society - The Economic Problem and the Scarcity of Resources - The Neoclassical Ideal: Economic Efficiency - The Role of Societal Preferences in the Production Possibilities Model - The Neoclassical Classification Scheme for Economic Systems - A Marxian Classification Scheme for Social Formations.

Unit – III: The Neoclassical Theory of Supply and Demand

The Neoclassical Circular Flow Model - The Buyers’ Side of the Market - The Sellers’ Side of the Market – Equilibrium - Comparative Statics Analysis - Simultaneous Shifts in Supply and Demand - The Measurement of Social Welfare - The Economic Efficiency of Competitive Markets - The Possibility of Market Failure.

Unit – IV: The Marxian Theory of Class Exploitation

The Early History of Marxian Economics - A Marxian Circular Flow Model - Commodities and Money - The Circulation of Commodities and the Meaning of Capital-The Commodity Labor-Power and the Determination of its Value- The Rate of Surplus Value and the Rate of Profit - The Production of Absolute Surplus Value and Relative Surplus Value.

Unit – V: Theories of the Labour Market

The Neoclassical Theory of the Demand for Labour - The Neoclassical Theory of the Supply of Labour - The Neoclassical Theory of Labour Market Equilibrium - A Neoclassical Theory of Exploitation - The Economic Consequences of Labour Union Activity - The Marxian Theory of the Market for Labour Power

Book for Study

Daniel E Saros, *Principles of Political Economy A Pluralistic Approach to Economic Theory*, 3rd Edition bepress, Berkely 2020.

Books for Reference

1. Henry Sidgwick, *The Principles of Political Economy*, Cambridge Library Collection, 2011.
2. John Stuart Mill , *Principles of Political Economy*, Createspace Independent Pub; Abridged edition, 2014.
3. Ravenhill, J. *Global Political Economy*. Oxford: Oxford University Press, 2016.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53SP01	SELF-PACED LEARNING: PRINCIPLES OF POLITICAL ECONOMY									-	2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	1	1	3	3	2	2	2.2	
CO-2	3	3	1	2	1	2	3	2	2	1	2.0	
CO-3	3	3	3	3	2	1	2	3	2	1	2.3	
CO-4	3	3	2	3	1	3	3	2	2	1	2.3	
CO-5	2	3	3	3	1	1	2	3	2	2	2.2	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21USS54SE03	SEC-3: SOFT SKILLS	2	1

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	be keen on developing and sustaining Soft Skills required of an educated youth	K1
CO-2	be trained to present the best of themselves as job seekers to deal with any problem and conflict situations.	K2
CO-3	be able to transfer the skills learnt for concrete outcomes and increased productivity of companies.	K2
CO-4	be able to develop people skills, life skills that are required to be a good human in the long run and set a living standard	K3
CO-5	be embedded with Employability skills such as “communication”, "teamwork", "initiative, “enterprise”, the attributes of "reliability", "balance between work -life“, "commitment” and continuous learning analyze the bonding in molecules and ions by applying MO theory.	K4

Module 1: **Effective Communication**

Definition of communication, Barriers of Communication, Verbal and Non-verbal Communication; Self introduction matrix, Conversation Techniques, Good manners and Etiquettes, Introduction to Professional Communication, Professional Grooming and Presentation Skills and exercises

Module II: **Resume Writing & Interview skills**

Resume Writing: Basic Resume Formats. Types of Resume - Chronological, Functional and Mixed Resume, Steps in preparation of Resume, Sample objectives, Model Resumes. **Interview Skills:** Preparation for interview, Common interview questions, Attitude, Body Language, Mock interviews and Practicum, Figuring out common interview questions and answers

Module III: **Group Discussion:** Definition of GD. The salient features of GD, Factors that influence GD, Outcome of GD, Tips for success in GD, Parameters of GD, Essential Points for GD preparation, GD Topics, Model GD and Practicum.

Module IV: **Personal Effectiveness:** Self Discovery: Personality, Traits of Personality; Personality Tests; Intelligence and Skill Assessment Form. **Goal Setting:** Goal setting Process, Questionnaires & Presentations

Module V: **Numerical Ability:** Average, Percentage; Profit and Loss, Area, Volume and Surface Area. (Simple Interest, Compound Interest; Time and Work, Pipes and

Cisterns; Time and Distance, Problems on Trains, Illustrations, Boats and Streams; Illustrations-Optional)

Module VI: **Test of Reasoning - Verbal Reasoning:** Series Completion, Analogy. **Non-Verbal Reasoning**

Books for Study

Melchias G, Balaiah John, John Love Joy (Eds), 2018. *Straight from the Traits: Securing Soft Skills*, SJC, Trichy.

Books for References

1. Aggarwal, R.S. 2010. *A Modern Approach to Verbal and Non Verbal Reasoning*. S.Chand, New Delhi.
2. Covey, Stephen. 2004. *7 Habits of Highly effective people*, Free Press. Egan, Gerard. (1994).
3. *The Skilled Helper* (5th Ed). Pacific Grove, Brooks/Cole.
4. Khera ,Shiv 2003. *You Can Win*. Macmillan Books , Revised Edition.
5. Melchias G, Balaiah John, John Love Joy (Eds), 2018. *Winners in the Making: A primer on soft skills*. SJC, Trichy.

Other books

1. Murphy, Raymond. 1998. *Essential English Grammar*. 2nd ed., Cambridge University Press.
2. Sankaran, K., & Kumar, M. *Group Discussion and Public Speaking*. M.I. Pub, Agra, 5th ed., Adams, Media.
3. Trishna's 2006. *How to do well in GDs & Interviews*, Trishna Knowledge Systems.
4. Yate, Martin. 2005. *Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting*

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC54EG01	GENERIC ELECTIVE-1 (WS): PRINCIPLES OF ECONOMICS	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the basic concepts, principles, motives and behavior of an individual and firm.	K1
CO-2	explain the scope and methodology of microeconomics.	K2
CO-3	calculate National income.	K3
CO-4	analyse Producer's equilibrium, Production function and Returns to scale.	K4
CO-5	explain Cost functions, Revenue functions and Profit estimation.	K4

Unit – I: Nature and Scope of Economics (12 Hours)

Meaning and definitions of Economics – Basic concepts in Economics: Production, consumption and distribution - Nature, scope and importance of Economics - Limitations of Economics.

Unit – II: Demand Analysis (12 Hours)

Meaning of demand and supply and their determinants; Demand, Supply and Market Equilibrium; Demand elasticity and its types; Demand forecasting - Need for demand forecasting – methods of forecasting – criteria for good forecasting.

Unit – III: The Production Process and the Cost of Production (12 Hours)

Meaning of production – definition and the importance of production function; Laws of Production – Variable proportions (short run) – Returns to Scale (long run); Cost concepts – Cost-output Relationship; Economies and diseconomies of scale.

Unit – IV: Pricing Techniques (12 Hours)

Full cost pricing – Marginal pricing – Target pricing – Peak load pricing – Going rate pricing – Cyclical pricing – Customary pricing – Product line pricing – Skimming pricing – Penetrating pricing.

Unit – V: National Income and Economic Policies (12 Hours)

National income – components; methods and difficulties in the calculation of National income; Monetary policy – Fiscal policy.

Books for Study

1. S. Sankaran (2012), *Micro Economics*, 7th Edition, Margham Publications, Chennai.
2. L. Ahuja (2019), *Principles of Micro Economics – A New look at Economic Theory*, S

Chand, New Delhi.

Books for Reference

1. Kennedy, Maria John M, (1999), *Advanced Micro Economic Theory* (2nd Edition), Himalaya Publishing House, New Delhi.
2. Stigler, G, (1996), *Theory of Price* (4th Edition), Prentice Hall of India, New Delhi.
3. Jhingan M. L, (2014), *Principles of Economics*, (4th Edition), Vrinda Publications P. Ltd, New Delhi.
4. N. Mankiw, (2017), *Principles of Economics*, 9th Edition, CENGAGE Learning Custom Publishing.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC54EG01	GENERIC ELECTIVE – 1(W/S): PRINCIPLES OF ECONOMICS									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	2	3	2	3	1	1	2	2	2	
CO-2	3	3	3	3	2	3	2	1	2	3	2.5	
CO-3	3	2	3	3	3	3	3	2	2	3	2.7	
CO-4	3	3	3	3	2	3	3	3	3	2	2.8	
CO-5	3	3	3	3	2	3	3	2	3	3	2.8	
Mean overall Score											2.56 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63CC11	CORE – 11: HISTORY OF ECONOMIC THOUGHT	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the origin and development of economic ideas.	K1
CO–2	compare the different schools of economic thought.	K2
CO–3	apply the economic theories in different economic conditions.	K3
CO–4	experiment the economic ideas to develop ethical and social values.	K3
CO–5	analyse the government policies from the perspectives of different economic ideas.	K4

Unit – I: Ancient and Medieval Economic Thought (21 Hours)

Nature and importance of Economic thought – The Hebrew Economic thought – Economic ideas of Plato and Aristotle – The Roman thought - Economic ideas of Thiruvalluvar – Medieval Economic Thought: St.Thomas Aquinas - Mercantilism: Role of the state, money, interest and balance of trade – Ideas of Thomas Mun - Physiocracy: main ideas of Physiocrats

Unit – II: Classical Economic Thought (21 Hours)

Economic ideas of Adam Smith: division of labour, theory of value, wages, capital, the role of money, Laissez faire policy and role of government - Ideas of Jeremy Bentham - Thomas Robert Malthus: Theory of population, Theory of gluts - David Ricardo: theory of value, theory of rent and Profits - Economic ideas of J S Mill.

Unit – III: Socialistic Ideas and the Marginalist School (21 Hours)

Economic ideas of St. Simon, Simonde de Sismondi and Robert Owen – Karl Marx: Marxian system, Class struggle, Theory of value, theory of surplus value, Socialism and crisis of capitalism - Institutional School: Economic ideas of Veblen - Marginalism: – Stanley Jevons, Carl Menger and Leon Walras - Alfred Marshall: Theory of value, Consumer's surplus, Prime and Supplementary costs, External and Internal economies, Representative Firm and Quasi-rent.

Unit – IV: Indian Economic Thought (21 Hours)

Economic ideas of R.C. Dutt, Naoroji and Ranade - Gandhian Economics - Economic ideas of Dr.B.R. Ambedkar - Jawaharlal Nehru: Planning, Democracy and Secularism - Indira Gandhi: Bank nationalization and 20 Point Programme – Economic ideas of Periyar E.V.Ramasami and Arignar C.N.Annadurai.V.K.R.V.Rao and C.N.Vakil

Unit – V: Nobel Laureates in Economics**(21 Hours)**

Economic ideas of – Gunnar Myrdal - Theoder W Schulz – Gary S Becker - George Akerlof - Joseph E Stiglitz - Robert E. Lucas, Paul Krugman – Amartya Sen - Daniel Kahneman - Abhijit Banerjee, Esther Duflo and Michael Kremer

Books for Study

1. Loganathan,V.(2018), *A History of Economic Thought* - S. Chand, New Delhi.
2. Sankaran. S (2010) *A History of Economic Thought*, Margham Publications, Chennai, 2006.

Books for Reference

1. R.R. Paul, (2015) *History of Economic Thought*, Kalayni Publishers, Punjab
2. Eric Roll, *A History of Economic Thought*, Faber and Faber, London
3. Gray, Alexander, (1948), *Development of Economic doctrines*, Longman London.
4. Haney, Lewis H., (1911), *History of Economic Thought*, Macmillan, New york.
5. Madan G.R., *History and Development of Economic Thought*, S.Chand, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63CC11	CORE-11: HISTORY OF ECONOMIC THOUGHT									7	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	1	3	3	2	2	2	2	3	2	2.2	
CO-2	2	3	1	2	2	3	3	3	2	1	2.2	
CO-3	1	2	2	3	2	3	2	2	3	2	2.2	
CO-4	3	3	3	2	3	3	2	3	2	2	2.6	
CO-5	2	2	2	2	2	2	2	2	3	2	2.1	
Mean overall Score											2.26 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63CC12	CORE-12: PUBLIC FINANCE	7	4

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	define the concepts of public expenditure, public revenue and public debt.	K1
CO-2	compare the significance of public and private finance.	K2
CO-3	analyze the different kinds of taxes.	K2
CO-4	interpret the recent trends in public expenditure, taxation and budgetary policy.	K3
CO-5	compare the financial relationship in a federal system.	K4

Unit – I: Nature and Scope of Public Finance (21 Hours)

Meaning, scope and importance of Public Finance - Normative and Positive Approach- Role of State on economic activities - Comparison of Public and Private finance – Public Goods and Externalities.

Unit – II: Concepts of Public Expenditure (21 Hours)

Meaning and causes of Public Expenditure – Distinction between Public and Private Expenditure – Canons of Public Expenditure – Classifications of Public Expenditure – Effects of Public Expenditure.

Unit – III: Concepts of Public Revenue (21 Hours)

Meaning and causes of Public Revenue – Classification of Public Revenue - Main sources of Public Revenue: Tax Revenue and Non-Tax Revenue - characteristics, objectives, canons and kinds of tax- Impact, shifting, incidence, evasion and effects of taxation.

Unit – IV: Concepts of Public Debt and Budget (21 Hours)

Meaning, causes, importance and types of Public Debt - Principle of Public Debt Management - Budgetary procedure in India - Agencies involved in financial administration and parliamentary control on budget - Current budget - Fiscal policy: concepts (fiscal deficit, revenue deficit and primary deficit), Instruments, Objectives and Limitations – FRBM Act

Unit – V: Federal Finance (21 Hours)

Meaning and importance of federalism - Principles of Federal Finance - Fiscal Federalism in India – Centre-State Financial relations - Features of PFMS - Finance Commission: Recent Finance Commission.

Books for Study

1. Tyagi. B.P (2012) *Public Finance*, Jai Prakash Nath, Meerut.
2. Maria John Kennedy M (2012) *Public Finance*, PHI Learning Pvt. Ltd, New Delhi

Books for Reference

1. Singh S K (2014) *Public Finance Theory and Practice*, S Chand &co Ltd, New Delhi
2. H.L. Bhatia (1999), *Public Finance*, Vikas, New Delhi.
3. Musgrave and Musgrave (1984), *Public Finance in Theory and Practice*, McGraw Hill, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63CC12	CORE-12: PUBLIC FINANCE									7	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	2	3	3	2	2.4	
CO-2	2	3	2	2	2	2	3	3	2	2	2.3	
CO-3	1	2	2	3	2	3	2	2	2	2	2.1	
CO-4	1	3	2	2	2	2	3	2	3	2	2.2	
CO-5	1	3	2	2	3	3	2	3	2	2	2.3	
Mean overall Score											2.26 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES03A	DSE-3: INTERNATIONAL ECONOMICS	5	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the concepts and theories of international trade.	K1
CO-2	estimate the gains from international trade	K2
CO-3	illustrate the principles that govern the free flow of goods and services at the international level.	K3
CO-4	compare the foreign exchange rate and balance of payments between countries	K4
CO-5	analyse the functions of international economic institutions.	K4

Unit – I: Concept of International Trade and Classical Theories (15 Hours)

Nature of International trade – Internal and International trade – Classical theory of International trade: Adam Smith’s Absolute Advantage Theory – Ricardo’s Comparative Cost Theory – Mill’s Theory of Reciprocal Demand.

Unit – II: Modern Version of Theories of International Trade (15 Hours)

Haberler’s Opportunity cost version of Comparative cost theory – Heckscher–Ohlin Theory of Factor Endowment – Marshall-Edgeworth Offer curves – Gains from international trade – The Terms of Trade: Concepts and Measurement.

Unit – III: Exchange Rate Control (15 Hours)

Exchange Rate: Definition – Types of Exchange Rate: Fixed vs Flexible Exchange Rate – Theories of Foreign Exchange Rate: The Mint-Parity Theory – The Purchasing Power Parity Theory – BoP Theory.

Unit – IV: Balance of Trade and Balance of Payments (15 Hours)

BoT – BoP – Current Account, Capital Account – Visible and Invisible – Causes for Disequilibrium in Balance of Payments – Methods of correcting the disequilibrium – Devaluation of Currency – Convertibility of Currency: Partial Account and Full Account

Unit – V: International Economic Institutions (15 Hours)

Free Trade vs Protection – Tariffs – Quotas – International Economic Institutions: IMF, IBRD, WTO & UNCTAD – Trade blocs: EU, OPEC, SAARC, ASEAN, BRICS, STEC and RCEP.

Book for Study

Mithani D. M, *International Economics*, Himalaya Publishing House, Mumbai, 2007.

Books for Reference

1. Rana K.C. & Verma K.N, *International Economics*, Vishal, Jalandhar, Delhi.
2. Jhingan. M.L, *International Economics*, Vrindha, New Delhi 2000.
3. Soderston Bo, *International Economics*, Macmillan, London, 2005.
4. Cherunilam F, *International Economics*, Tata McGraw-Hill, 2011.
5. Salvatore D, *International Economics*, Prentice Hall, 1998.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63ES03A	DSE – 3: INTERNATIONAL ECONOMICS									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	2	3	3	2	2	3	2.6	
CO-2	3	3	2	3	2	3	3	3	2	3	2.7	
CO-3	3	2	1	1	2	3	3	2	3	3	2.3	
CO-4	3	3	2	3	2	3	3	3	2	3	2.7	
CO-5	1	3	1	1	2	3	3	2	2	3	2.1	
Mean overall Score											2.48 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES03B	DSE-3 : MONEY AND FINANCIAL MARKETS	5	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the role played by money and its impact on other economic indicators.	K1
CO-2	discuss the effects of asymmetric information on financial markets and identify ethical business decisions.	K2
CO-3	apply the knowledge of economics and finance to serve the demand of financial markets.	K3
CO-4	analyse the data to solve real world problems with the help of efficient analytical tools.	K4
CO-5	explain sustainable development concepts in organisational and societal culture.	K4

Unit – I: Money (15 Hours)

Money: concepts, functions, measurement; Theories of determination of money supply.

Unit – II: Financial Institutions and Markets (15 Hours)

Role of financial markets and institutions; problem of asymmetric information - adverse selection and moral hazard - financial crises - Money and capital markets: organization, structure and reforms in India - role of financial derivatives and other innovations.

Unit – III: Interest Rates (15 Hours)

Determination; sources of interest rate differentials - theories of term structure of interest rates - interest rates in India.

Unit – IV: Banking System (15 Hours)

Balance sheet and portfolio management - Indian banking system: Changing role and structure - banking sector reforms.

Unit – V: Central Bank and Monetary Policy (15 Hours)

Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India.

Books for Study

1. F. S. Mishkin and S. G. Eakins, *Financial Markets and Institutions*, Pearson Education, 6th edition, 2009.
2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, *Foundations of Financial Markets and Institutions*, Pearson Education, 3rd edition, 2009.
3. M. R. Baye and D. W. Jansen, *Money, Banking and Financial Markets*, AITBS, 1996.
4. Rakesh Mohan, *Growth with Financial Stability- Central Banking in an Emerging Market*, Oxford University Press, 2011.

Books for Reference

1. L. M. Bhole and J. Mahukud, *Financial Institutions and Markets*, Tata McGrawHill, 5th edition, 2011.
2. M. Y. Khan, *Indian Financial System*, Tata McGraw Hill, 7th edition, 2011.
3. N. Jadhav, Monetary Policy, *Financial Stability and Central Banking in India*, Macmillan, 2006.
4. R.B.I. – *Report of the Working Group: Money Supply Analytics and Methodology of Compilation*, 1998.
5. R.B.I. Bulletin, *Annual Report and Report on Currency and Finance* (latest).

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63ES03B	DSE-3: MONEY AND FINANCIAL MARKETS									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	1	1	3	2	3	3	2	3	2.2	
CO-2	3	3	2	3	1	2	3	3	3	2	2.5	
CO-3	3	2	2	3	3	2	3	2	3	3	2.6	
CO-4	2	2	1	3	2	2	3	3	3	2	2.3	
CO-5	3	3	3	2	3	1	3	2	3	1	2.4	
Mean overall Score											2.4 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES04A	DSE – 4: TAMIL NADU ECONOMY	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the economy of the State of Tamil Nadu.	K1
CO–2	compare the economic progress made in various sectors of the Economy of Tamil Nadu.	K2
CO–3	apply knowledge gained in the subject in cracking competitive examinations for employment within the state of Tamil Nadu.	K3
CO–4	analyze the role played by the Government of Tamil Nadu in implementing development programmes with global competitiveness.	K4
CO–5	compare Tamil Nadu economy with other states in India.	K4

Unit – I: Basic Characteristics of Tamil Nadu (15 Hours)

Geographical location of Tamil Nadu - Resource endowments of Tamil Nadu: land, minerals, forests, livestock, monsoon and climate, human resources - Population growth: demographic indicators and trends - urbanization and migration in Tamil Nadu.

Unit – II: Agricultural Sector (15 Hours)

Land use pattern – agro-climatic zones – cropping pattern and major crops; Sources and types of irrigation; Green revolution in Tamil Nadu - Agricultural marketing: Regulated markets - UzhavarSandhai – animal husbandry and fisheries - Role of the government in agricultural development.

Unit – III: Industrial and Service Sectors (15 Hours)

Major industries – automobile, leather, textile, sugar, cement, software - MSMEs & Start-ups – Industrial development organizations: KVIC, DIC, EPZ, SPZ, SEZ, ELCOT - Role of the Government in industrial development - Contribution of the tertiary sector to the economic progress of Tamil Nadu.

Unit – IV: Infrastructure and Development Programmes (15 Hours)

Transport: road, rail, air and water – Energy: hydro, thermal and nuclear power – Healthcare - Education – Banking – Unemployment - Anti-poverty programmes - Human development programmes - Social security programmes and Smart-city Schemes implemented by the Government of Tamil Nadu.

Unit – V: Performance of Tamil Nadu Economy (15 Hours)

Dynamism of the economy in the context of the pre and post reform era -Trends in the State’s SGDP and financial status: revenue, expenditure and debt - Vision 2023 – targets and achievements - Tamil Nadu as a destination for foreign investment - Current year Budget.

Books for Study

1. Leonard (2006), *Tamil Nadu Economy*, Macmillian, New Delhi.
2. Manickam S. (2013), *Perspectives on Economic Development of Tamil Nadu*

Books for Reference

1. V.K. Natraj (Editor), A. Vaidyanathan (Editor), (2014), *Development Narratives: The Political Economy of Tamil Nadu*, Academic Foundation.
2. Rajalakshmi, V, (2002), *Tamil Nadu Economy*, Business Publishers, Mumbai.
3. Perumalsamy, S. (1990), *Economic Development of Tamil Nadu*, S.Chand &Co. Ltd, New Delhi
4. MIDS, *Tamil Nadu Economy – Performance and Issues*
5. S.Sankaran, (2017), *Indian Economy*, Margham Publications, Chennai.
6. *Human Development Index Report of Tamil Nadu*, State Planning Commission of Tamil Nadu

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63ES04A	DSE-4 : TAMIL NADU ECONOMY									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	2	3	3	2	3	3	2.6	
CO-2	3	2	3	3	2	2	3	1	3	2	2.4	
CO-3	3	2	2	3	3	3	2	2	3	3	2.6	
CO-4	3	2	3	3	3	3	3	2	3	2	2.7	
CO-5	3	3	3	3	3	2	3	1	3	2	2.6	
Mean overall Score											2.58 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES04B	DSE – 4 : ECONOMICS OF GENDER DEVELOPMENT	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the role of women in Household sector and National economy.	K1
CO–2	explain gender issues and interpret women discrimination on social perspective.	K2
CO–3	discover the need to prioritize women education and health care.	K3
CO–4	explain participation of women in the Labour work force and their contribution towards GDP.	K4
CO–5	analyze all prevailing laws providing social security to women.	K4

Unit – I: Women as Human Resource (15 Hours)

Human Capital Theory- Investment in Women – Economic role of women in India before and after Independence – Contribution of women in GNP – Household economy and its contribution.

Unit – II: Demographic Issues (15 Hours)

Sex ratio – Age composition – Female IMR & Fertility rate – Population policy pertaining to women – Crimes against women – Female infanticide and Foeticide – Gender bias – Laws protecting women against violence.

Unit – III: Health and Educational Status of Women in India (15 Hours)

Five Year Plans and women development and empowerment – Gender education, skill, productivity, efficiency and opportunity – Female activities and ecological and environmental concerns – Economic status - Factors affecting decision making by women - Access to control over economic resources – A.K.Sen’s views.

Unit – IV: Labour Market (15 Hours)

Labour force participation in organised and unorganised sector – Invisibility of women labour in household sector – Occupational pattern of Women employment in India – Work Participation Rate - Determinants of women employment – Problems of Women Workers: Wage Discrimination - Job Security - Equal Pay - Sexual Harassment in work place - BPO Sector - Gender Budgeting - Gender Development Index.

Unit – V: Social Security of Women**(15 Hours)**

Ensuring economic independence, risk, courage, access to credit and insurance markets – SHGs - Review of legislation for women’s rights and duties – Schemes for safety net for women.

Book for Study

Ghosh B. N, Parvesh K. Chopra, *Gender and Development: Theory, History, Policy and Cases*, Wisdom House, U.K, 2002.

Books for Reference

1. Boserup.E, *Women’s Role in Economic Development*, George Allenand Unwin, London, 2018.
2. Desai. N, and Raj M.K, *Woman and Society in India*, Research centre for women studies, SNDT University, Mumbai, 2016.
3. Krishnaraj M., Sudarashan R.M. and Shariff. A., *Gender, populationand Development*, OUP, New Delhi, 2018.
4. Seth.M, *Women and Development: the Indian Experience*, Sage, NewDelhi, 2018.
5. Leonard. A.G, *Tamilnadu Economy*, Macmillan India, 2017.
6. Government of Tamilnadu, *Tamil Nadu Development Report*.
7. Government of India, *Five Year Plan*.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63ES04B	DSE-4: ECONOMICS OF GENDER DEVELOPMENT									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	2	3	2.2	
CO-2	2	3	2	1	2	3	3	2	2	3	2.3	
CO-3	1	2	3	2	3	2	3	2	3	2	2.3	
CO-4	1	2	2	3	1	2	3	2	2	3	2.1	
CO-5	1	2	2	2	3	1	3	2	2	3	2.1	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC64SE04	SEC – 4 (WS) : CONTEMPORARY ISSUES IN ECONOMICS	2	1

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the basic concepts related to contemporary issues in Economics.	K1
CO–2	understand media discussions to know about Fiscal policy of India.	K2
CO–3	understand the government policies to increase the people’s participation in economic decision making.	K2
CO–4	relate the theoretical framework of microeconomics and macroeconomics courses to the Indian context.	K3
CO–5	analyse contemporary issues that figure in high profile government documents in particular to the Economic survey and the Union Budget.	K4

Unit – I: Fiscal Policy and Public Expenditure (6 Hours)

Fiscal Policy, need for government spending, areas of government spending in India - Capital expenditure, revenue expenditure, plan expenditure, non-plan expenditure.

Unit – II: Fiscal deficits (6 Hours)

Deficits - Fiscal, Primary and revenue – impact of fiscal deficit on Economy - need to control fiscal deficits in India - Fiscal devolution and centre-state financial relations in India.

Unit – III: Public Revenue (6 Hours)

Zero - base budgeting - Gender budgeting - Capital receipts, revenue receipts, tax and non tax revenue - direct and indirect taxes - need to rationalize tax structure - Goods and Services Tax.

Unit – IV: Economic Survey (6 Hours)

Economic Survey - Agriculture and food management - Industry and infrastructure - Services sector - External sector.

Unit – V: Union Budget (6 Hours)

The Union Budget - Need for the budget - Understanding the process of budget making in India - Analysis of budget in terms of various parameters – Deficits - trends in fiscal deficit and revenue deficit – Receipts - proposed sources of revenue and expected growth in revenue – Expenditure - Expenditure pattern and expected growth in expenditure.

Book for Study

Tyagi B.P & Singh H.P, *Public Finance*, Jai Prakash Nath & Co publishers, Meerut, 2015.

Books for Reference

1. Singh S.K, *Public Finance in Theory and Practice*, S.Chand publishers, New Delhi, 2010
2. Bhatia H.L, *Public Finance*, Vikas Publishing house, New Delhi, 2018.
3. <https://www.indiabudget.gov.in/budget2020-21/economicsurvey/index.php>
4. <https://www.indiabudget.gov.in/>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC64SE04	SEC-4 (WS): CONTEMPORARY ISSUES IN ECONOMICS									2	1
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	1	3	2	3	2	2	2.4	
CO-2	3	3	2	3	2	3	2	2	2	3	2.5	
CO-3	3	3	2	3	1	3	3	2	2	1	2.3	
CO-4	3	3	1	2	1	2	3	3	2	2	2.2	
CO-5	2	3	3	3	2	3	2	3	2	2	2.4	
Mean overall Score											2.4 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC64EG02	GENERIC ELECTIVE – 2: ECONOMICS FOR COMPETITIVE EXAMS	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the performance of different sectors of the economy.	K1
CO–2	discuss the basics of general economic issues.	K2
CO–3	illustrate the demographic features of Indian economy.	K3
CO–4	analyse the economic policies of India.	K4
CO–5	analyse the recent developments and its impact on Indian economy.	K4

Unit – I: Growth and Development experience in India (12 Hours)

Economic Growth in India - National Income - Determination, GDP, GNP, NDP, NNP, Personal Income - Economic Growth versus Economic Development - Measures of Economic Development: Human Development Index, Green GDP, Gross National Happiness Index - Economic and Social Development in India: Millennium Development Goals and Sustainable Development Goals of India.

Unit – II: Indian Sectoral Development (12 Hours)

Agriculture - Historical background and current status - Land reforms in India - Situation of Indian Agriculture - Cropping Patterns - Issues related to direct and indirect farm subsidies and minimum support prices. Industry - Industrial development in India - Industrial Policy in India - Public sector undertakings in India - Privatization of the Public Sector Enterprises. Banking sector reforms.

Unit – III: Demography (12 Hours)

Census data: populations by gender, by state, by age group, socio-economic status, literacy levels. Trends in human development – interstate comparison - Vital Statistics.

Unit – IV: Poverty, Inequality, and Unemployment (12 Hours)

Poverty in India: Types of Poverty, Causes of Poverty, Vicious Circle of Poverty - Poverty Lines in India: Estimations and Committees - Income Inequality in India: Causes, Remedies, and Consequences - Unemployment in India: Definition, Types, Cause, Consequences and Measures.

Unit – V: External sector**(12 Hours)**

India's Balance of Payments - Balance of Payment versus Balance of Trade, Current Account versus Capital Account - FDI and FPI in India - External Commercial Borrowings, Foreign Exchange Reserves in India - Foreign Exchange Rate Determination in India and Types of Exchange Rate - Capital and Current Account Convertibility in India.

Books for Study

1. Uma Kapila, *Indian Economy*, 20th Edition, ISBN: 8171887902, Published by Academic Foundation, 2020.
2. Ramesh Singh, *Indian Economy for Civil Services, Universities and Other Examinations* | 12th Revised Edition 2020.

Books for Reference

1. R.B.I. – *Report of the Working Group: Money Supply Analytics and Methodology of Compilation*, 1998.
2. *R.B.I. Bulletin, Annual Report and Report on Currency and Finance* (latest).
3. Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, *Fundamentals of Corporate Finance*. McGraw-Hill, 7th edition, 2005.
4. Dhingra I.C, *Indian Economy* (28th Edition), Sultan Chand & Co., New Delhi, 2014.
5. Mishra & Puri - *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
6. Meier, G.M. *Leading Issues in Economic Development*, O U P, New Delhi, 6th edition, 1995.
7. Rana K.C.&Verma K.N, *International Economics*, Vishal, Jalandhar, Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC64EG02	GENERIC ELECTIVE-2: ECONOMICS FOR COMPETITIVE EXAMS									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	3	2.4	
CO-2	1	3	2	1	2	3	3	2	2	3	2.2	
CO-3	2	2	3	2	3	2	3	2	3	2	2.4	
CO-4	2	2	2	3	2	2	3	2	2	2	2.2	
CO-5	2	2	2	2	3	1	2	2	2	3	2.1	
Mean overall Score											2.26 (High)	

