

DEPARTMENT OF ECONOMICS



B.A. PROGRAMME

CHOICE BASED CREDIT SYSTEM SYLLABUS (2023-2024 ONWARDS)

H.H. THE RAJAH'S COLLEGE (AUTONOMOUS)
Re-Accredited at 'B' by NAAC
(Affiliated to the Bharathidasan University, Tiruchirappalli)
PUDUKKOTTAI - 622 001

CHOICE BASED CREDIT SYSTEM AND LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK BASED B.A. ECONOMICS SYLLABUS	
Programme:	B.A. Economics
Programme Code:	UEC
Duration:	3 Years
Programme Outcomes	<p>PO1: Knowledge of Economics: Ability to understand Economic Theories and functioning of Economic Models. To develop an adequate competency in the Economic Theory and Methods.</p> <p>PO2: Analytical Reasoning and Critical Thinking: Critically Analyze and assess the way in which economists examine the real world to understand the current events and evaluate specific proposals.</p> <p>PO3: Logical Reasoning and Quantitative Ability: Ability to understand how to collect and analyse data and use empirical evidence to evaluate the validity of hypothesis, using Quantitative Methodology and conduct data analysis to interpret results.</p> <p>PO4: Communication and Research Skills: Communication and Research related skills. Developing a sense of capability for relevant/appropriate inquiry and asking questions, synthesising and articulating and reporting results and to efficiently communicate thoughts and ideas in a clear and concise manner.</p> <p>PO5: Gender, Environment and Sustainability: Comprehend the Environmental issues and Sustainable Development and strive to achieve economic and social equity for women and be Gender Sensitive.</p> <p>PO6: Employability and Leadership Skills: Become empowered individuals to be employed in various positions in industry, academia and research and have the potential to become Entrepreneurs and take leadership roles in their chosen occupations and communities.</p> <p>PO7: Social Interaction: Acquire the ability to engage in relevant conversations and have the ability to understand the views of society that would help initiate policy making.</p> <p>PO8: Digital Literacy and Lifelong Learning: Capability to use ICT tools in a variety of learning situation and use appropriate software for analysis of data - Ability to acquire Knowledge situations and skills for life through self directed learning and adapt to different learning environments.</p>
Programme Specific Outcomes	<p>PSO1: To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making.</p> <p>PSO 2: To sensitize students to various economic issues related to Development, Growth, International Economics, Sustainable Development and Environment.</p> <p>PSO 3: To familiarize students to the concepts and theories related to Finance, Investments and Modern Marketing.</p> <p>PSO 4: Evaluate various social and economic problems in the society and develop answer to the problems as global citizens.</p> <p>PSO 5: Enhance skills of analytical and critical thinking to analyze effectiveness of economic policies.</p>

**PROGRAMME OUTCOMES (PO) - PROGRAMME SPECIFIC OUTCOMES (PSO)
MAPPING**

PROGRAMME SPECIFIC OUTCOMES (PSO)	PROGRAMME SPECIFIC OUTCOMES (PSO)					
		PO1	PO2	PO3	PO4	PO5
	PSO1	3	3	3	3	3
	PSO2	3	3	3	3	3
	PSO3	3	3	3	3	3
	PSO4	3	3	3	3	3
	PSO5	3	3	3	3	3

Level of Correlation between PO's and PSO's

(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)

Assign the value **1 - Low 2 - Medium 3 - High 0 - No Correlation**

Credit Distribution for UG Programme in Economics

[illegible]

COURSE SUMMARY

Percentage to be assigned for modification

- Complete Unit Change - 20%
- Partially Unit Change - 10%
- Minimum Modification - 5%
- No deletion - 0%

Name of the Programme : B.A.

Name of the Course : Economics

Title of the Paper : Micro Economics – I

(Tick the appropriate box)

☐ **Core** ☐ Elective ☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : Statistics for Economics - I

(Tick the appropriate box)

☐ **Core** ☐ Elective ☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : Fundamentals of Management

(Tick the appropriate box)

☐ Core

☐ **Elective**

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : Business Communication

(Tick the appropriate box)

☐ Core

☐ Elective

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : Micro Economics – II

(Tick the appropriate box)

☐ **Core**

☐ Elective

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : Statistics for Economics - II

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : History of Economic Thought

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				0

Title of the Paper : Macroeconomics - I

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	3	0	0	3
Unit – II	0	0	20	20
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				23

Title of the Paper : Mathematics for Economics

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	2	8	0	10
Unit – II	1	3	1	5
Unit – III	0	2	0	2
Unit – IV	2	0	0	2
Unit – V	1	0	0	1
Total				20

Title of the Paper : Principles of Marketing

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	2	2	0	4
Unit – II	1	0	2	3
Unit – III	2	1	0	3
Unit – IV	1	0	0	1
Unit – V	3	2	0	5
Total				16

Title of the Paper : Macroeconomics - II

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	2	2	0	4
Unit – II	1	2	1	4
Unit – III	2	2	0	4
Unit – IV	0	1	0	1
Unit – V	0	0	0	0
Total				13

Title of the Paper : Indian Economy

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	4	4
Unit – II	0	0	20	20
Unit – III	0	0	0	0
Unit – IV	0	0	0	0
Unit – V	0	0	0	0
Total				24

Title of the Paper : Research Methods in Economics

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	2	0	3	5
Unit – II	2	0	0	2
Unit – III	2	0	1	3
Unit – IV	0	1	0	1
Unit – V	2	0	0	2
Total				13

Title of the Paper : Monetary Economics

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	2	3	0	5
Unit – II	0	2	3	5
Unit – III	2	2	1	5
Unit – IV	0	2	3	5
Unit – V	2	3	0	5
Total				25

Title of the Paper : Fiscal Economics

(Tick the appropriate box)

☐ **Core**

☐ Elective

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	2	7	0	7
Unit – IV	0	2	5	7
Unit – V	5	5	0	10
Total				24

Title of the Paper : Industrial Economics

(Tick the appropriate box)

☐ **Core**

☐ Elective

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	0	0	0	0
Unit – III	0	0	2	2
Unit – IV	0	0	20	20
Unit – V	0	0	3	3
Total				25

Title of the Paper : Tamil Nadu Economy

(Tick the appropriate box)

☐ Core

☐ **Elective**

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	4	0
Unit – II	0	0	7	0
Unit – III	0	0	6	0
Unit – IV	0	0	5	0
Unit – V	0	0	3	0
Total				25

Title of the Paper : General Studies for Competitive Examinations

(Tick the appropriate box)

☐ Core

☐ Elective

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	1	4	0	5
Unit – II	2	4	0	6
Unit – III	2	5	0	7
Unit – IV	2	2	0	4
Unit – V	0	3	0	3
Total				25

Title of the Paper : International Economics

(Tick the appropriate box)

☐ Core

☐ Elective

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	2	0	2
Unit – II	0	2	0	2
Unit – III	0	0	2	2
Unit – IV	0	0	2	2
Unit – V	0	0	2	2
Total				10

Title of the Paper : Development Economics

(Tick the appropriate box)

☐ Core

☐ Elective

☐ Foundation Course

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	2	0	0
Unit – II	0	2	0	0
Unit – III	10	10	0	20
Unit – IV	0	0	2	2
Unit – V	0	0	3	3
Total				25

Title of the Paper : Agricultural Economics

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	2	2
Unit – II	0	0	0	0
Unit – III	0	0	2	2
Unit – IV	0	10	0	10
Unit – V	0	0	0	0
Total				14

Title of the Paper : Managerial Economics

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I	0	0	0	0
Unit – II	5	0	0	5
Unit – III	0	0	2	2
Unit – IV	0	0	2	2
Unit – V	0	10	10	10
Total				19

Title of the Paper : Financial Markets and Institutions

(Tick the appropriate box)

☐ **Core**

☐ **Elective**

☐ **Foundation Course**

Unit (1)	Deduction (%) (2)	Addition (%) (3)	Modification (%) (4)	Revision (%) (2 + 3 + 4)
Unit – I			0	0
Unit – II			2	2
Unit – III	2	3	0	5
Unit – IV			2	2
Unit – V			2	2
Total				11

PROGRAMME SUMMARY

Name of the Programme : B.A.

Name of the Course : Economics

Sl. No.	Code	Title of the Paper	Average % of Changes in each paper
1	23UEC1	Micro Economics - I	0
2	23UEC2	Statistics for Economics - I	0
3	23UECGE1	Fundamentals of Management	0
		Introduction to Sociology	
4	23UECSEF1	Business Communication	0
5	23UEC3	Micro Economics - II	0
6	23UEC4	Statistics for Economics - II	0
7	23UECGE2	History of Economic Thought	0
		Introduction to E-Commerce	
Average Changes in the Programme			0/7 = 0.00
1	23UEC5	Macroeconomics - I	23
2	23UEC6	Mathematics for Economics	20
3	23UECGE3	Principles of Marketing	16
		Economics of Tourism	
4	23UEC7	Macroeconomics - II	13
5	23UEC8	Indian Economy	24
6	23UECGE4	Research Methods in Economics	13
		Health Economics	
Average Changes in the Programme			109/6 = 18.16
1	23UEC9	Monetary Economics	25
2	23UEC10	Fiscal Economics	24
3	23UEC11	Industrial Economics	25
4	23UECE1A	Tamil Nadu Economy	25
	23UECE1B	Operations Research	
5	23UECE2A	General Studies for Competitive Examinations	25
	23UECE2B	Gender Economics	
6	23UEC13	International Economics	10
7	23UEC14	Development Economics	25
8	23UEC15	Agricultural Economics	14
9	23UECE3A	Managerial Economics	19
	23UECE3B	Behavioural Economics	
10	23UECE4A	Financial Markets and Institutions	11
	23UECE4B	Urban Economics	
Average Changes in the Programme			203/10 = 20.30

Name of the Programme	Course Code	Name of the Course	Activities/Content with direct bearing on Employability / Entrepreneurship/Skill Development
BA Economics	23UEC1	Micro Economics - I	Employability
	23UEC2	Statistics for Economics - I	Skill Development
	23UECGE1	Fundamentals of Management	Employability
		Introduction to Sociology	Employability
	23USBE1	Soft Skill and Industry Awareness - I	Skill Development
	23UECSEF1	Business Communication	Employability
	23UEC3	Micro Economics - II	Employability
	23UEC4	Statistics for Economics - II	Skill Development
	23UECGE2	History of Economic Thought	Employability
		Introduction to E-Commerce	Employability
	23USBE2	Soft Skill and Industry Awareness - II	Skill Development
	23UECNMC1	Naan Mudhalvan Course - I	Employability
	23UEC5	Macro Economics - I	Employability
	23UEC6	Mathematics for Economics	Skill Development
	23UECGE3	Principles of Marketing	Employability
		Economics of Tourism	Employability
	23USBE3	Entrepreneurial Skills	Entrepreneurship
	23UECNMC2	Naan Mudhalvan Course - II	Employability
	23UEC7	Macroeconomics - II	Employability
	23UEC8	Indian Economy	Employability
	23UECGE4	Research Methods in Economics	Skill Development
		Health Economics	Employability
	23UECNMC3	Naan Mudhalvan Course - III	Employability
	23UEC9	Monetary Economics	Employability
	23UEC10	Fiscal Economics	Employability
	23UEC11	Industrial Economics	Employability
	23UEC12PW	Project with Viva Voce	Employability
	23UECDE1A	Tamil Nadu Economy	Employability
	23UECDE1B	Operations Research	
	23UECDE2A	General Studies for Competitive Examinations	Employability
	23UECDE2B	Gender Economics	
	23UECNMC4	Naan Mudhalvan Course - IV	Employability
	23UIT	Summer Internship/Industrial Training	Employability
	23UEC13	International Economics	Employability
	23UEC14	Development Economics	Employability
	23UEC15	Agricultural Economics	Employability
	23UECDE3A	Managerial Economics	Skill Development
	23UECDE3B	Behavioural Economics	
	23UECDE4A	Financial Markets and Institutions	Employability
	23UECDE4B	Urban Economics	
	23UECNMC5	Naan Mudhalvan Course - V	Employability

H. H. THE RAJAH'S COLLEGE (Autonomous), PUDUKKOTTAI
PG & RESEARCH DEPARTMENT OF ECONOMICS

CBCS - COURSE PATTERN FOR B.A. ECONOMICS (2023-2024 Onwards)

Sl. No	Sem.	List of Courses	Code	Name of the Paper	Hrs/ Week	No. of Credits	Marks		
							Inter	Exter	Total
1	I	Language - I	23ULT1	Tamil - I	6	3	25	75	100
2		English - I	23ULE1	English - I	6	3	25	75	100
3		Core - I	23UEC1	Micro Economics - I	5	5	25	75	100
4		Core - II	23UEC2	Statistics for Economics - I	5	5	25	75	100
5		Generic Elective - I	23UECGE1	Fundamentals of Management	4	3	25	75	100
				Introduction to Sociology					
6		Soft Skill - I	23USE1	Soft Skill and Industry Awareness - I	2	2	25	75	100
7		Foundation Course	23UECSEF1	Business Communication	2	2	25	75	100
8	II	Language - II	23ULT2	Tamil - II	6	3	25	75	100
9		English - II	23ULE2	English - II	6	3	25	75	100
10		Core - III	23UEC3	Micro Economics - II	5	5	25	75	100
11		Core - IV	23UEC4	Statistics for Economics - II	5	5	25	75	100
12		Generic Elective -II	23UECGE2	History of Economic Thought	4	3	25	75	100
				Introduction to E-Commerce					
13		Soft Skill - II	23USE2	Soft Skill and Industry Awareness - II	2	2	25	75	100
14		Naan Mudhalvan Course - I	23UECNMC1	Naan Mudhalvan Course - I	2	2	25	75	100
15	III	Language - III	23ULT3	Tamil - III	6	3	25	75	100
16		English - III	23ULE3	English - III	6	3	25	75	100
17		Core - V	23UEC5	Macroeconomics - I	5	5	25	75	100
18		Core - VI	23UEC6	Mathematics for Economics	5	5	25	75	100
19		Generic Elective - III	23UECGE3	Principles of Marketing	4	3	25	75	100
				Economics of Tourism					
20		Soft Skill - III	23USE3	Entrepreneurial Skills	1	1	25	75	100
21		Naan Mudhalvan Course - II	23UECNMC2	Naan Mudhalvan Course - II	2	2	25	75	100
	General Course - I	23UES	Environmental Studies	1	-	-	-	-	

22	IV	Language - IV	23ULT4	Tamil - IV	6	3	25	75	100
23		English - IV	23ULE4	English - IV	6	3	25	75	100
24		Core - VII	23UEC7	Macroeconomics - II	5	5	25	75	100
25		Core - VIII	23UEC8	Indian Economy	5	5	25	75	100
26		Generic Elective - IV	23UECGE4	Research Methods in Economics	3	3	25	75	100
				Health Economics					
27		Naan Mudhalvan Course - III	23UECNMC3	Naan Mudhalvan Course - III	2	2	25	75	100
28		General Course - I	23UES	Environmental Studies	1	2	25	75	100
29		General Course - II	23UVEGS	Value Education & Gender Studies	2	2	25	75	100
30	V	Core - IX	23UEC9	Monetary Economics	5	4	25	75	100
31		Core - X	23UEC10	Fiscal Economics	5	4	25	75	100
32		Core - XI	23UEC11	Industrial Economics	5	4	25	75	100
33		Core - XII	23UEC12PW	Project with Viva Voce (Individual)	5	4	25	75	100
34		Elective - I	23UECE1A	Tamil Nadu Economy	4	3	25	75	100
			23UECE1B	Operations Research					
35		Elective - II (ONLINE EXAM) (Objective Type)	23UECE2A	General Studies for Competitive Examinations	4	3	25	75	100
			23UECE2B	Gender Economics					
36		Naan Mudhalvan Course - IV	23UECNMC4	Naan Mudhalvan Course - IV	2	2	25	75	100
37		-	23UIT	Summer Internship/Industrial Training (30 Hrs)	-	2	-	-	-
38	VI	Core - XIII	23UEC13	International Economics	6	4	25	75	100
39		Core - XIV	23UEC14	Development Economics	6	4	25	75	100
40		Core - XV	23UEC15	Agricultural Economics	6	4	25	75	100
41		Elective - III	23UECE3A	Managerial Economics	5	3	25	75	100
			23UECE3B	Behavioural Economics					
42		Elective - IV	23UECE4A	Financial Markets and Institutions	5	3	25	75	100
			23UECE4B	Urban Economics					
43		Naan Mudhalvan Course - V	23UECNMC5	Naan Mudhalvan Course - V	2	2	25	75	100
44		-	23UEA	Extension Activities	-	1	-	-	-
Total					180	140	925	2775	3700

QUESTION PAPER PATTERN

CHOICE BASED CREDIT CUM SEMESTER PATTERN (Effective from the academic year 2023-24 onwards)

B.A. Economics

External Pattern

Duration of Examination: 3 Hours

Part - A Answer ALL the Questions 10 x 2 = 20 marks	Part - B Answer ALL the Questions Internal Choice Type 5 x 5 = 25 marks	Part - C Answer any THREE Questions 3 x 10 = 30 marks
Questions	Questions	Questions
1 - 2 - Unit I	11(a) or 11(b) - Unit I	16 - Unit I
3 - 4 - Unit II	12(a) or 12(b) - Unit II	17 - Unit II
5 - 6 - Unit III	13(a) or 13(b) - Unit III	18 - Unit III
7 - 8 - Unit IV	14(a) or 14(b) - Unit IV	19 - Unit IV
9 - 10 - Unit V	15(a) or 15(b) - Unit V	20 - Unit V

Elective Course

1. a)
(or)
b)
2. (a)
(or)
b)

Internal Pattern

1. Internal Test - 1 - 50 marks
 2. Internal Test - 2 - 75 marks
 3. Assignment - 1 - 15 marks
 4. Assignment - 2 - 10 marks
- Total - 150 marks***

***Total marks to be converted into 25 marks**

FIRST YEAR – SEMESTER - I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC1	MICRO ECONOMICS - I	Core - I	5	5	25	75	100
Learning Objectives							
C1	To equip the economic behaviours of individual units of the society.						
C2	To describes the consumer behaviour and utility analysis						
C3	To impart knowledge on demand and supply concepts						
C4	To identify the relevance of Production and returns to scale of Production						
C5	To know the costs and profit maximisation						
UNIT	Contents						No. of Hours
I	Basic Concepts Definitions of Economics - Nature and Scope of Microeconomics - Positive and Normative Approaches - Inductive and Deductive Approaches - Consumers and Firms - Decision Making - Rationality: Self-Interest - Trade-offs - Fundamental Economic Problems - Market Mechanism and Resource Allocation.						15
II	Utility Analysis Utility - Ordinal and Cardinal Utility - Total and Marginal Utility - Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility - Indifference Curves - Properties–Marginal Rate of Substitution - Budget Line - Price and Substitution Effects - Optimal Consumer Choice - Revealed Preference Theory - Samuelson and Hicks' Approach.						18
III	Demand and Supply Analysis Demand - Types of Goods - Law of Demand - Determinants - Exceptions - Giffen Paradox - Veblen Effect - Elasticity of Demand: Types - Engel's Law - Supply - Law of Supply - Determinants - Elasticity of Supply and its Types - Market Equilibrium - Consumer Surplus and Producer Surplus.						15
IV	Production Analysis Production Function - Law of Variable Proportions - Laws of Returns to Scale - Iso-quant's - Types of Production Function - Cobb-Douglas and Constant Elasticity of Substitution (CES) Production Function - Economies and Diseconomies of Scale.						15
V	Cost and Revenue Concepts Costs - Fixed and Variable Costs - Average, Marginal, and Total Costs - Short Run and Long Run Costs - Implicit, Explicit, Sunk and Imputed Cost - Revenue - Total, Average and Marginal Revenue - Relationship between AR, MR and Elasticity of Demand - Profit Maximization Rule.						12
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the meaning of basic concepts and the need for the study of Microeconomics.	PO1, PO2
2.	Evaluate the Types of Utility and Consumer Behaviour.	PO2, PO3
3.	Acquire knowledge on various market equilibrium, Demand and Supply Functions	PO1, PO2
4.	To understand the meaning of Production Functions	PO1
5.	To understand the theory of firms, Cost and Revenue	PO1
Textbooks		
1.	Robert Pindyck and Daniel L. Rubinfeld, (2001) Micro Economics, Macmillan	
2.	Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)	
3.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.	
4.	Ahuja H.L (2016) Principles of Microeconomics, S.Chand	
5.	Timothy Taylor, Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12 th Media Services.	
Reference Books		
1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2 nd Edition.	
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
3.	Dwivedi, D.N (2002), Microeconomics: Theory and Applications, 2 nd ed., Pearson	
4.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)	
5.	Karl E. Case and Ray C Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia	
Web Resources		
1.	http://www.econlib.org/library/enc/microeconomics.html	
2.	https://www.tutor2u.net/economics	
3.	https://www.economicsnetwork.ac.uk/	
4.	https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics	
5.	http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	2	2	2	3	2	3
Weightage	14	14	14	14	13	15	13	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	2.6	3.0	2.6	3.0

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	2	2	2
CO3	3	3	3	3	3
CO4	3	3	3	2	2
CO5	3	3	3	2	2
Weightage	15	15	14	11	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.2	2.2

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR – SEMESTER - I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC2	STATISTICS FOR ECONOMICS - I	Core - II	5	5	25	75	100
Learning Objectives							
C1	To know the nature and scope of statistics and its applications						
C2	To teach students Collection, Classification, Analyzing and Presentation of data.						
C3	To apply the measures of central tendency						
C4	To draw measurement of dispersion and its applications						
C5	To analyse correlation and regression and its applications						
UNIT	Contents						No. of Hours
I	Introduction and Collection of Data Introduction - Nature and Scope of Statistics - Uses and Limitations of Statistics - Data Collection - Primary and Secondary Data - Tools for collecting Primary Data - Requisites of Good Questionnaire - Sources of Secondary Data.						15
II	Classification and Presentation of Data Classification and Tabulation of Data - Types - Frequency Distribution - Cumulative Frequency Distribution - Class Interval - Diagrams - Types - Graphical Representation - Histogram - Frequency Polygon - Ogive Curve - Lorenz Curve.						15
III	Measures of Central Tendency Measures of Central Tendency - Requisites of a Good Average - Arithmetic Mean, Median, and Mode - Relative Merits and Demerits.						15
IV	Measures of Dispersion Absolute and Relative Measures of Dispersion - Range - Quartile Deviation - Mean Deviation - Standard Deviation - Variance - Coefficient of Variation - Skewness and Kurtosis.						15
V	Correlation and Regression Correlation - Types of Correlation - Methods - Karl Pearson's Co-efficient of Correlation - Spearman's Rank Correlation - Regression Equations - Distinction between Correlation and Regression Analysis.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the overview of statistics and basic knowledge of statistical tools.	PO1, PO3, PO8
2	Differentiate Types of Data and its Classification	PO1, PO2, PO3, PO8
3	Explain the concept of Averages and its application	PO1, PO2, PO3
4	Know the concept of Dispersion and its application	PO1, PO2, PO3
5	Calculate Correlation and estimate values using Regression	PO3, PO7, PO8
Textbooks		
1	Gupta. S.P (2005) Statistical Methods, Sultan Chand and Sons, New Delhi.	
2	Sancheti. D.C and Kapoor V.K (2005) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi.	
3	Dr.T.K.V. Iyengar, Dr.B. Krishna Gandhi S. Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S. Chand and Co, 2020.	
4	Prof S.G. Vekatachalapathy and Dr.H. Premraj (2018) Statistical Methods Margham Publications.	
5	Dominick Salvatore and Derrick Reagle, Theory and Problems of Statistics and econometrics, Mc Graw Hill, (2002)	
Reference Books		
1.	Saxena H.C, (2016), Elementary Statistics, S Chand and Company, New Delhi.	
2.	Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi	
3.	Manoharan M (2010), "Statistical Methods", Palani Paramount Publications, Palani.	
4.	R.S.N.Pillai and V. Bagavathi(2010), Statistics, Sultan Chand and Sons, New Delhi	
5.	Dr.S. Sachdeva (2014) Statistics - Lakshmi Narain Agarwal.	
Web Resources		
1.	https://www.cuemath.com/data/statistics/	
2.	https://stattrek.com/statistics/resources	
3.	https://testbook.com/learn/maths-mean-median-mode/	
4.	https://www.statistics.com/	
5.	https://thisisstatistics.org/students/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	2	2	2	3	3	3	3
Weightage	15	14	14	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	2.8	2.8	2.8	2.8	3.0	2.8	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to PSOs	3	3	3	3	3

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR – SEMESTER - I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE1	FUNDAMENTALS OF MANAGEMENT	Generic Elective - I	3	4	25	75	100
Learning Objectives							
C1	To provide students with the basic concepts of Management.						
C2	To probe the planning concepts and its objectives						
C3	To analyze the Organizational Levels in an Organization						
C4	To describes the motivation and satisfaction and its elements						
C5	To know the importance of Quality Checks.						
UNIT	Contents						No. of Hours
I	Introduction Management - Definition - Scope - Schools of Thought in Management - Levels of Management - Role and Functions of a Manager.						15
II	Planning Planning: Concept, Objectives, Nature, Limitation, Process of Planning, Importance, Forms, Techniques and Process of Decision Making.						15
III	Organisational Levels Types of Business Organizations - Structure - Span of Control - Departmentalisation - Selection, Training and Development, Performance Management, Career Planning, and Management						15
IV	Directing Creativity and Innovation - Motivation and Satisfaction - Organization Culture - Elements and Types of Culture - Managing Cultural Diversity.						15
V	Controlling Process of Controlling - Types of Control - Budgetary and Non-budgetary, Control Techniques - Managing Productivity - Cost Control - Purchase Control - Maintenance Control - Quality Control - Planning Operations.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the foundations and importance of Management.	PO1
2	Demonstrate an understanding of Planning	PO2, PO3
3	Analyze the organisational levels and Process of selection	PO1, PO2, PO3
4	Discuss the relevance of Organizational Culture	PO1, PO2,
5	Examine the importance of quality control	PO4

Textbooks	
1.	Stephen A. Robbins & David A. Decenzo & Mary Coulter,(2011) “Fundamentals of Management” 7th Edition, Pearson Education
2.	Tripathy PC & Reddy PN, (1999) “Principles of Management”, Tata McGraw Hill.
3.	Pillai R.S.N and Kala .S (2013) Principles And Practice Of Management S.Chand& Co andCompany.
4.	Ricky Griffin, “Fundamentals of Management”, Cengage Learning, (2016)
5.	Pardeep Kumar and Amanjot Sachdeva, “Fundamentals of Management”,S. Chand Publishing, (2012)
Reference Books	
1.	Dr. C.B. Gupta and Dr. Shruti Mathur (2022) Management Principles andApplications ,Scholar Tech Press
2.	Neeru Vasisth and Vibhuti Vasishth(2019)Principles of Management Text & Cases ,Taxman Publication
3	R.C Bhatiya, “Fundamentals of Management”, S.K Kataria &Sons, 2013
4	L.M Prasad, “Principles and Practice of Management,2021
5	Dr.N.Mishra and Dr.O.P.Gupta, “Fundamentals of Management”, SBPD Publishing House, 2022
Web Resources	
1.	http://www.mim.ac.mw/books/Fundamentals%20of%20Management.pdf
2.	https://theintactone.com/2019/09/18/fom-u1-topic-1-fundamentals-of-management-introduction-and-concepts/
3.	https://rccmindore.com/wp-content/uploads/2015/06/Fundamentals-of-Management.pdf
4.	https://in.sagepub.com/en-in/sas/journal-of-management/journal201724
5.	https://www.managementstudyhq.com/evolution-management-thought-theories.html

`Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	3	2	3	2	3	3
Weightage	15	14	15	14	14	14	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	3.0	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	3
CO3	3	3	3	2	3
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	11	13
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.2	2.6

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR – SEMESTER – I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE1	INTRODUCTION TO SOCIOLOGY	Generic Elective - I	3	4	25	75	100
Learning Objectives							
C1	To understand the nature and scope of sociology and its development						
C2	To identify the origin and development of sociology and its basic concepts						
C3	To evaluate stages and agencies of socialization						
C4	To understand social stratification and its determinants						
C5	To know the social change, evolution and revolution						
UNIT	Contents						No. of Hours
I	Introduction Definition - Nature and Scope of Sociology - Origins and Development of Sociology - Founding fathers and their contributions: Auguste Comte, Herbert Spencer, Karl Marx, Emile Durkheim and Max Weber - Sociology and other Social Sciences.						15
II	Basic Concepts of Sociology Society, Community, Institutions, Association, Social Structure, Status - Role, Norms, and Values; Folkways and Mores, Associative and Dissociative processes - Cooperation- Assimilation - Accommodation - Competition and Conflict.						15
III	Individual and Society Individual and Society - Socialization - Stages and Agencies of Socialization - Types of Groups - Primary and Secondary Groups, In-Group and Out-Group, Reference Group.						15
IV	Social Stratification Social Stratification: Meaning, Definition and Dimensions - Social Mobility and its Determinants.						15
V	Social Change Meaning and Types: Evolution and Revolution, Progress and Development - Factors of Social Change - Culture and Civilization.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the contributions of sociologists in the field of sociology	PO1, PO2
2	Understand the basic aspects of Sociology	PO1, PO2
3	Examine the impact of individuals, groups and society	PO1, PO5, PO7
4	Understand the dimensions of social stratification	PO2, PO7
5	Analyze and design Policy for social change	PO2, PO3, PO7
Textbooks		
1	Bottomore, T.B. (1972). Sociology: A guide to problems and literature. Bombay.	
2	Jayaram, N. (1988). Introductory sociology. Madras: Macmillan India.	
3	Sachdeva Vidya Bhushan D.R(2020) An Introduction to Sociology, Kitab Mahal	
4.	John.J.Macionis, "Sociology", Pearson, 17 th edition, 2018	
5.	C.N Shankar Rao, "Sociology: Principles of Sociology with an Introduction to Sociology Thought", S.Chand Publication, 2019	
Reference Books		
1.	George Allen and Unwin (India). Harlambos, M. (1998). Sociology: Themes and perspectives. New Delhi: Oxford University Press.	
2.	Inkeles, Alex. (1987). What is sociology? New Delhi: Prentice-Hall of India.	
3.	Johnson, Harry M. (1995). Sociology: A systematic introduction. New Delhi: Allied Publishers.	
4.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.	
5.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York	
Web Resources		
1.	https://data.worldbank.org/indicator/SP.POP.TOTL	
2.	https://www.iom.int/	
3.	https://libguides.humdolt.edu	
4.	https://openstax.org/books/introduction-sociology-3e/	
5.	https://www.sociologygroup.com/important-books-free-notes-sociology-optional/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	3	3	2	3	2	3	3
Weightage	14	14	14	14	14	15	14	15
Weighted percentage of course contribution to POS	2.8	3.00	3.00	2.8	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	3	2
CO3	2	3	3	3	2
CO4	3	3	2	3	3
CO5	3	3	3	3	2
Weightage	15	15	14	15	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	3	2.2

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR - SEMESTER - I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECSEF1	BUSINESS COMMUNICATION	Foundation Course	2	2	25	75	100
Learning Objectives							
C1	To know the meaning objectives and role of communication and media						
C2	To understand the need and importance of communication in management						
C3	To apply the need and function of business letter						
C4	To study the business correspondents with insurance and other organisation						
C5	To understand the meaning and importance of report writing						
UNIT	Contents						No. of Hours
I	Communication Communication: Meaning and Definition - Objectives - Role of Communication - Process and Elements of Communication - Communication Networks - Types and Media of Communication - Barriers to Communication - Characteristics for Successful Communication.						15
II	Communication in Management Management and Communication: Need and Importance of Communication in Management - Corporate Communication - Communication Training for Managers - Communication Structure in an Organization.						15
III	Business Letters Business Letter: Need - Functions - Kinds - Essentials of effective Business Letter - Language and Layout - Planning, Enquiries and Replies - Sales Letter - Orders, Tender and Notice - Complaints - Letter of Appointment.						18
IV	Correspondence Correspondence: Bank Correspondence - Insurance Correspondence - Agency Correspondence - Import-Export Correspondence.						15
V	Report Writing Report Writing: Meaning and Importance - Purpose - Types of Business Reports - Characteristics of a Good Report - Report Preparation - Report by Individual and Committees - Agenda and Minutes of Meeting.						12
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the basics of communication and its Process, Elements, and its importance.	PO1, PO2
2.	Acquire communication skills.	PO1, PO4
3.	Employ the art of report preparation and writing Business Letters	PO2, PO6
4.	Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern.	PO5, PO6, PO8
5.	Employ the art of report preparation	PO4, PO6, PO7
Textbooks		
1.	Korlahalli, J. S., & Pal, R. (1979) Essentials of Business Communication. S. Chand, New Delhi.	
2.	Kaul A, (2015), Effective Business Communication. Second Edition Prentice Hall India Learning Private Limited.	
3.	Raymond Lesikar and John Pettit, Jr.(2016) Report Writing for Business Mc Graw Hill Education	
4.	Scott Mclean,"Business Communication for Success", Flat World Knowledge, 2010	
5.	Virander K. Jain, "Business Communication", S. Chand Limited, 2008	
Reference Books		
1.	Kumar, R. (2010). Basic Business Communication. Excel Books India.	
2.	Bovee, C. L. (2008). Business Communication today. Pearson Education India.	
3.	Lesikar, R. V., & Pettit, J. D. (1989). Business communication: Theory and application. Irwin Professional Publishing.	
4.	Mary Ellen Guffy and Dana Loewy (2012) Essentials of Business Communication Cengage Learning	
5.	C.B.Gupta (2019) Essentials of Business Communication Cengage Learning India Pvt. Ltd	
Web Resources		
1.	https://www.managementstudyguide.com/business_communication.htm	
2.	https://studiousguy.com/business-communication/	
3.	https://www.indeed.com/career-advice/resumes-cover-letters/business-communication-skills	
4.	https://www.softskillsaha.com/what-is-meaning-of-business-communication-skills.php	
5.	https://www.mindtools.com/page8.html	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	3	3	2	3	2	3	3
Weightage	15	14	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	2.8	2.8	2.8	2.8	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	3
CO2	2	2	3	3	3
CO3	3	2	2	3	3
CO4	2	2	3	2	2
CO5	2	2	3	3	3
Weightage	11	11	13	14	14
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.6	2.8	2.8

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR – SEMESTER – I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23USE1	SOFT SKILL AND INDUSTRY AWARENESS-I	Soft Skill - I	2	2	25	75	100
Learning Objectives							
C1	To inculcate positive attitude among the learners						
C2	To introduce goal setting to the learners						
C3	To instill effective communicative skills in the learners						
C4	To expose the learners to the basics of computers						
C5	To initiate the learners into computer applications						
UNIT	Contents						
I	Positive Attitude: Attitude - Features of Attitudes - Formation of Attitudes - Psychological Factors - Change of Attitudes - Ways of Changing Attitude in a Person - The Power of Positive Attitude - The Benefits of Positive Attitude - Developing Positive Attitude - Obstacles in Developing Positive Attitude - Negative Attitude - The Causes of Negative Attitude - The Consequences of Negative Attitude - How to Change Negative Attitude.						
II	Goal Setting: Introduction - Importance of Goal Setting - Goal Definition - Types of Goals - What Exactly Goal Setting - Why People Don't Set Goals - How to Choose the Right Goals - SMART GOALS - Career Goals - Benefits of Career Goal Setting - Goal Setting Tips.						
III	Communication Skills: Communication Process - Types of Communication - Barriers to Effective Communication - Listening Skills - Importance of Tone of Voice - Voice Clarity - Verbal Expressiveness - Tips to Develop Communication Skills - Government Initiatives - Job Roles.						
IV	Knowing Computer: Characteristics of a Computer - Limitations of a Computer - Components of Hardware - Basics of Operating Systems - Definition - Functions of Operating Systems - Categories of Operating Systems - Windows Features - Start Up, Shut Down - Opening and Closing An Application - Manipulating Windows - Saving - Printing - Deleting Files - Start Menu.						
V	Computer Applications: Word Processing: Launching Word - Word Processing Basics - The Quick Access Toolbar - Opening A Document - Saving a Document - Formatting The Text - Table Manipulation. Using Spread Sheet: Elements of Electronics Spreadsheet - Manipulation of Cells - Formula and Function - Functions.						

Prescribed Book:

1. Soft Skills and Industry Awareness - ICT Academy of Tamil Nadu.

Books for Reference:

1. Dr. Alex - Soft Skills, S. Chand, New Delhi.
2. Raveendiran et al. Success through Soft Skills.

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC3	MICRO ECONOMICS - II	Core - III	5	5	25	75	100
Learning Objectives							
C1	To equip the students to gain knowledge on the market structures						
C2	To analyse the monopoly and price discrimination in the market						
C3	To probe the monopolistic and oligopoly competitions and its operation						
C4	To enrich the students about the Theories of Distribution						
C5	To understand the concepts of Welfare Economics						
UNIT	Contents						No. of Hours
I	Perfect Competition Features of Perfect Competition - Equilibrium of the firm and the industry in the Short-Run - Long-Run Equilibrium in Perfect Competition - Time Element Analysis.						14
II	Monopoly and Price Discrimination Definition of Monopoly - Demand and Marginal Revenue - Equilibrium under Monopoly - Dead Weight Loss - Policies to Control Monopoly - Price Discrimination - First Degree, Second Degree and Third-Degree Price Discrimination - Dumping.						15
III	Monopolistic and Oligopoly Competition Monopolistic Competition - Features - Product Differentiation - Market Equilibrium and Short Run and Long Run - Barriers to Entry - Group and Industry Equilibrium - Excess Capacity - Oligopoly - Kinked Demand Curve - Collusion - Cartels and Price Leadership - Game Theory - Minimax - Maximin - Nash Equilibrium.						16
IV	Distribution Theory Functional and Personal Distribution - Marginal Productivity Theory of Distribution - Product Exhaustion Theorem - Concepts of VMP and MRP.						14
V	Welfare Economics and General Equilibrium Welfare Criteria - Adam Smith - Edgeworth - Pareto - Kaldor - Market Failure - Externalities - Walrasian General Equilibrium - Static Properties for Consumption, Production, and Distribution.						16
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the equilibrium conditions in Perfect Competition.	PO1, PO2
2	Analyze the equilibrium conditions under Monopoly Market Structure.	PO1, PO2
3	Describe the Market Equilibrium under Monopolistic and Oligopoly Market.	PO1, PO2
4	Know the importance of theories of Distribution.	PO1, PO2
5	Evaluate the aspects of Welfare Economics and General Equilibrium.	PO2, PO3, PO7
Textbooks		
1.	Robert Pindyck and Daniel L. Rubinfeld, (2001) Micro Economics, Macmillan.	
2.	Hal R. Varian (2004), Intermediate Micro Economics East-West Press: New Delhi.	
3.	Walter Nicholson and Christopher Snyder, Micro Economic Theory - Basic Principles and Extensions, Cengage Learning India Pvt, Ltd, 12th Edition, 2016.	
4.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.	
5.	Timothy Taylor, Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12 th Media Services.	
Reference Books		
1.	Koutsoyiannis (2003), Modern Microeconomics, Palgrave Macmillan (UK) 2 nd Edition.	
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
3.	Case & Fair, Principles of Economics Myeconlab series 8 th Edn.	
4.	Mansfield, Edwin and Yohe, Gary (2010): Microeconomics 4 th ed, Viva-Norton Indian Edition	
5.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)	
Web Resources		
1.	https://open.umn.edu/opentextbooks/subjects/economics	
2.	https://global.oup.com	
3.	https://www.economicsnetwork.ac.uk	
4.	https://edge.sagepub.com/sextonmicro8e	
5.	https://www.aeaweb.org/resources/students	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	3	2	3	3	2	3	3
Weightage	14	15	14	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	2.8	2.8	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	3	3	3	2	3
CO4	3	3	3	2	2
CO5	3	3	3	3	3
Weightage	15	15	15	12	12
Weighted percentage of Course Contribution to PSOs	3	3	3	2.4	2.4

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC4	STATISTICS FOR ECONOMICS - II	Core - IV	5	5	25	75	100
Learning Objectives							
C1	To understand the various methods of index numbers and its applications						
C2	To analyse the components and measurement of time series data						
C3	To know the theories of probability and its applications						
C4	To probe the research design and sampling methods						
C5	To acquire knowledge on the application of test of Hypotheses in Research						
UNIT	Contents						No. of Hours
I	Index Numbers Index Numbers - Methods - Unweighted and Weighted Index Numbers - Aggregate and Relative Index Numbers - Chain and Fixed based Index Numbers - Test of Adequacy of Index Numbers - Wholesale Price Index - Consumer Price Index - Cost of Living Index.						15
II	Time Series Analysis Definition - Components and Measurement - Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares - Uses of Time Series Analysis.						15
III	Theory of Probability Key Concepts of Probability - Importance - Theorems of Probability: Addition, Multiplication and Bayes' Theorem - Discrete and Continuous Random Variables - Theoretical Distributions - Binomial, Poisson and Normal - Properties - Uses and Applications.						15
IV	Sampling Sampling - Census and Sample Method - Theoretical Basis of Sampling - Methods of sampling - Random and Non-Random Sampling - Size of Sample - Merits and Limitations of Sampling - Sampling and Non-Sampling Errors.						15
V	Testing of Hypothesis Hypothesis Testing - Meaning, Types, Sources and Functions of Hypothesis - Test: Null and Alternative Hypothesis - Type - I and Type - II Errors - 't' Test - Paired 't'-test - Chi-Square test, 'F' test - Analysis of Variance - One way and Two-way ANOVA.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Gain Knowledge on the Index Numbers	PO1, PO2, PO3
2	Analyze the importance of Time Series Data and its measurement	PO1, PO2, PO3
3	Understand the concept of Probability	PO2
4	Identify the various Sampling Methods	PO1, PO2
5	Acquire Knowledge on Hypothesis Testing	PO2, PO3, PO7, PO8
Textbooks		
1	S.P Gupta, (2017) “Statistical Methods”, Sultan Chand & Sons.	
2	Anderson, Sweeney and Williams (2012), “Statistics for Business and Economics Cengage, 2012.	
3	Pillai R.S.N. &BagavathiV (2012) “Statistics: Theory and Practice” S.Chand&CompanyLtd. New Delhi.	
4.	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.	
5.	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.	
Reference Books		
1.	Anderson, David Ray, “Statistics for Business and Economics”, South-Western Pub, 2001.	
2.	Sancheti and Kapoor, Statistics, (2015) Sultan & Sons New Delhi.	
3.	Gupta S.C. Statistical Methods (2015) Sultan & sons New Delhi.	
4.	Monga G.S. “Mathematics and Statistics for Economics” (2001), Vikas Publishing House Pvt.Ltd New Delhi.	
5.	Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002)	
Web Resources		
1.	https://stattrek.com/statistics/resources	
2.	https://www.cuemath.com/data/f-test/	
3.	https://www.statistics.com/	
4.	https://thisisstatistics.org/students/	
5.	https://oli.cmu.edu/courses/probability-statistics-open-free/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	2	2	2	3	2	3	3
Weightage	15	14	14	14	14	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	2.8	2.8	2.8	2.8	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to PSOs	3	3	3	3	3

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE2	HISTORY OF ECONOMIC THOUGHT	Generic Elective - II	3	4	25	75	100
Learning Objectives							
C1	To explain the nature and scope of economic thought and its principles						
C2	To understand the classical economists ideology and theory of Marx						
C3	To know the Kenesian revolution and its analysis						
C4	To build the Marginalism Revolution and its operations						
C5	To describes the thoughts of various Nobel laureates in economics						
UNIT	Contents						No. of Hours
I	Pre-Classical Thought Nature and Scope of Economic Thought - Mercantilism: Growth of Mercantilism - Main Principles - Important Mercantilists- Physiocracy - Main concepts - Important Physiocrats.						18
II	Classical Economists and Karl Marx Adam Smith- Division of Labour- Theory of Value- Laissez Faire- Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage Theory of Trade - Malthus Theory of Population - Theory of Gluts - Karl Marx - Theory of Surplus Value - Breakdown of the Capitalist System.						15
III	Neo-Classical and Institutional Thought The Marginalist Revolution - Marshall: Value and Role of Time - Marginal Utility and Consumer's Surplus - Distribution - Marshallian Concepts - Representative Firm, Economies of Scale, Quasi-Rent - Institutional Economics - Veblen - Mitchell - J.R.Commons.						15
IV	Keynesian Revolution and Modern Thought Keynes - Psychological Law of Consumption - Effective Demand - Theory of Employment - Schumpeter's Theory of Innovation - Hicks theory of Trade Cycle - New Keynesian Economics - New classical Economics - Rational Expectation Hypothesis.						12
V	Nobel Laureates in Economics and Indian Economic Thought Nobel Laureates in Economics - Paul A Samuelson - Kuznets - Hicks - Myrdal - Milton Friedman - Recent Nobel Laureates (Last Three Years) - Indian Economic Thought - Dadabhai Naoroji - Mahatma Gandhi - B.R. Ambedkar - Amartya Sen - Sen's Capability Approach - Poverty and Inequality.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge on the subject matter of History of Economic Thought.	PO1
2	Understand the contributions of the Classical Ideas of Economics.	PO1, PO2
3	Describe Neo Classical and Institutional Economic Ideas	PO1, PO2
4	Examine the Keynesian School and Modern Economic Ideas	PO1, PO2
5	Understand the contribution of Nobel Laureates and Indian Economic Ideas	PO1, PO2, PO8
Textbooks		
1	Lokanathan, V, History of Economic Thought, S Chand & Co Ltd.	
2	Bhatia, H.L. (2018), History of Economic Thought, S Chand & Co Ltd.	
3	Srivastava S.K (2002) History of Economic Thought, S.Chand Publication.	
4	M.L Jhingan, M.Girija, L.Sasikala "History of Economic Thought" 3rd Edition, Virnda Publication 2014.	
5	R.R.Paul "History of Economic Thought" ,Kalyani Publisher,2018.	
Reference Books		
1.	Amartya Sen (1982), Welfare and Measurement, Oxford University Press, New Delhi.	
2.	Gandhi, M.K. (1938), Economics of Village Industries, Navjivan Publishers, New Delhi.	
3.	T.N.Hajela, (2015), History of Economic Thought Ane Students Edition 18 th Edition.	
4.	Gide and Rist, (2014), A History of Economic Doctrines, Nabu Press.	
5.	V.Lokanathan (2009), A History of Economic Thought: S.Chand& Co Limited.	
Web Resources		
1.	https://www.hetwebsite.net/het/	
2.	https://thoughteconomics.com/	
3.	https://www.nobelprize/economic-sciences/	
4.	https://www.aeaweb.org/resources/students	
5.	https://sites.google.com/site/maeconomicsku/home	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	2	2	2	3	2	3	3
Weightage	14	14	14	14	14	14	15	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	2.8	2.8	3.0	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	3
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	12	12
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.6	2.6

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE2	INTRODUCTION TO E COMMERCE	Generic Elective - II	3	4	25	75	100
Learning Objectives							
C1	To learn the nature and concepts of E-commerce in India						
C2	To understand the various business models for E-Commerce and its uses						
C3	To analyse the Various on line business transactions and its applications						
C4	To explain the E-Promotion and consumer protection and its latest amendments						
C5	To update the students on various methods of E-payment systems and tis risks.						
UNIT	Contents					No. of Hours	
I	Introduction Meaning - Nature - Concepts - Advantages and Disadvantages - Online Transaction - Types of E-Commerce - Growth of E-Commerce in India.					12	
II	Business Models for E-commerce E-commerce Models - Business-to-Business (B2B) - Business-to-Consumer (B2C) - Consumer-to-Consumer (C2C) - Consumer-to-Business (C2B) - Direct to Customer (D2C) - Peer-to-Peer (P2P) - Brokerage Model - Aggregator Model.					15	
III	Online Business Transactions E-Commerce Applications in Various Industries - Banking, Insurance, Payment of Utility Bills - Online Marketing /E-Tailing (Popularity, Benefits, Problems and Features) - Online Services (Financial, Travel and Career) /Auctions, Online Portal, Online Learning - Publishing and Entertainment - Online Shopping.					15	
IV	E-Promotion and Consumer Protection E-Advertising Techniques: Banners, Sponsorships, Portals, and online coupons - Role of Influencers in Social Media - Marketing - Porters Value Chain Model - E-Commerce and Consumers - Consumer Protection (E-Commerce) Rules 2020 and Latest Amendments.					18	
V	E- Payment System Models and Methods of e-Payments (Debit Card, Credit Card, Smart Cards, e-money) - Digital Signatures (procedure, working and legal position) - Payment Gateways - Online Banking: Meaning, Concepts, Importance, Electronic Fund Transfer - Automated Clearing House - Automated Ledger posting - Risks involved in e-payments.					15	
Total						75	

Course Outcomes		Programme Outcomes
CO		
1	Understand the pros & cons of E-commerce.	PO1, PO2
2	Analyze the various models of E-commerce.	PO1, PO2
3	Understand the online business transaction and their impact on related service providers.	PO2, PO3
4	Understand the e-marketing mix and be familiar with consumer protection.	PO3, PO4
5	Know the mechanism of E- payment and its operations.	PO2, PO3, PO8
Textbooks		
1	Bajaj K.K and Debjani Nag (2017), E-commerce, McGraw Hill Education	
2	Chhabra T.N , Suri and Sanjiv Varma (2005) E-Commerce, Dhanpat Rai & Co	
3	Dr.K. Abirami Devi and Dr.M. Alagammal, “E- Commerce”, Margaham Publication,	
4	Amir Manzoor, “E- Commerce: An Introduction”, Lambert Academic Publishing, 2010	
5	Dr. Shivani Arora, “E-Commerce”, Taxmann Publishing, 2017	
Reference Books		
1.	Pandey (2013) Ecommerce and its Applications , S.K. Kataria & Sons	
2.	Kenneth C. Laudon and Carlo Guercio Traver (2020), E-Commerce, Pearson Education.	
3.	Pralok Gupta (2020) E-commerce in India: Economic and Legal Perspectives, SAGE Publications India Pvt Ltd	
4.	David Whitley (2017) E - Commerce: Strategy, Technologies and Applications,	
5.	Joseph P.T ., S.J (2019) “E-Commerce : An Indian Perspective” PHI Learning Pvt. Ltd.	
Web Resources		
1.	https://ecommerce-platforms.com/resources	
2.	https://ecommerceguide.com	
3.	https://www.bigcommerce.com/resources/	
4.	https://www.cloudways.com/blog/top-ecommerce-websites/	
5.	https://www.indiafilings.com/learn/how-to-start-an-ecommerce-business-in-india/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	14	15	15	14	14	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	3.0	2.8	2.8	3.0	3.0

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	2	2	3	3
CO4	3	2	2	3	3
CO5	3	2	2	3	3
Weightage	15	12	12	14	14
Weighted percentage of Course Contribution to PSOs	3	2.6	2.6	2.8	2.8

S-Strong-3 M-Medium-2 L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23USE2	SOFT SKILL AND INDUSTRY AWARENESS - II	Soft Skill - II	2	2	25	75	100
Learning Objectives							
C1	To equip the learners for group discussion						
C2	To prepare the learners to attend interviews						
C3	To make the students to learn effective time management						
C4	To expose the learners to retail sector						
C5	To initiate the learners into retail advertising						
UNIT	Contents						
I	Group Discussion: Types of GD - Discussion Vs Debate - Personality Traits - Advantages of GD - Dos and Don'ts.						
II	Selection Interview: Meaning - Interview Structure - Interview Panel - Types of Interview - Questions Looked for in Interviews - Preparation Before Interview - Body Language - Dos and Don'ts - Standard Interview Questions - Your Answer to Questions.						
III	Time Management: Importance of Time - Importance of Time Management - The Pareto 80:20 Principle and Time Management - The Time Management Matrix - Its Utilization - Procrastination: Causes and Effects - How to Overcome Procrastination - Effective Time Management - Tools for Effective Time Management.						
IV	Retail Sector: Introduction - Market Size - Investment Scenario - Advantage India - Government Initiatives - Types of Stores - Types of Merchandising - Store Operations - Store Appearance - Store Security - Make It Difficult for Retail Theft to Happen - Inventory and Stock Management - Store Organization - Importance of Store Organization.						
V	Retail Advertising: Integrated Marketing Communication (IMC) - Traditional Marketing Vs IMC, Benefits of IMC - Management of IMC in Retail - Sales Promotion - Objectives, Limitations, Tools, Enterprise Source Planning (ERP), Supply Chain Management - The Relationship Between ERP, CRM, And SCM - Key Features of Supply Chain Management - Job Roles.						

Prescribed Book:

1. Soft Skills and Industry Awareness - ICT Academy of Tamil Nadu.

Books for Reference:

1. Dr. Alex - Soft Skills, S. Chand, New Delhi.
2. Raveendiran et al. Success through Soft Skills.

SECOND YEAR - SEMESTER III

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC5	MACRO ECONOMICS - I	Core -V	4	5	25	75	100
Learning Objectives							
C1	To understand the national income and its related concepts						
C2	To analyse the classical theory of full employment and its advantages						
C3	To illustrate the Keynesian under employment theory and its applications						
C4	To evaluate the theories of Consumption and its types						
C5	To impart students to understand inflation and its types						
UNIT	Contents						No. of Hours
I	National Income National Income: Definition - Concepts: GDP, GNP and Per Capita Income - Measurement of National Income - Difficulties in the Measurement of National Income - Real and Nominal GDP - National Income Accounting - GDP Deflator - Green GDP - Circular Flow of Income and Expenditure.						15
II	Full Employment: Classical Theory Introduction - Aggregate Demand and Aggregate Supply - J.B. Say's Law - Employment and Output determination in Classical Model - Wage and Price Flexibility.						15
III	Under Employment: Keynesian Theory Keynes's Critique of Classical Theory - Involuntary Unemployment - Underemployment Equilibrium - Effective Demand - Components - Wage Rigidity - Liquidity Preference - Multiplier.						18
IV	Theories of Consumption Consumption Function: Meaning and Attributes - Investment - Marginal Efficiency of Capital - Keynesian Absolute Income Hypothesis - Duesenberry's Relative Income Hypothesis - Friedman's Permanent Income Hypothesis - Modigliani's Life Cycle Hypothesis.						15
V	Inflation Inflation: Definition - Demand Pull - Cost Push and Mark-up Inflation - Consumer Price Index - Wholesale Price Index - Producer Price Index – Inflationary Gap - Effects of Inflation - Phillips.						12
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the structure of Macroeconomics and the Concept of GDP	PO1,PO2,PO3
2	Outline the concepts in Classical Theory of Employment	PO1,PO2
3	Analyse the Keynesian Underemployment Theory	PO1,PO2
4	Examine the theories of Consumption Function	PO1,PO2, PO3
5	Understand the types and the impact of Inflation on Economies	PO2,PO3,PO8
Textbooks		
1	Mankiw. N Gregory (2000), Macroeconomics, Worth Publishers, New York	
2	VaishM.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi	
3	Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher	
4	H.L. Ahuja, Macro Economics: Theory and Policy S.Chand, 2016	
5	Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.	
Reference Books		
1.	Rudiger Dornbusch , Stanley Fischer, and Richard Startz (2000), Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.	
2.	Parkin, M., 2014. Macro Economics. 11 th Edition. Essex: Pearson	
3.	Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.	
4.	Mueller, M.G. (Ed.) (1978), Readingsin Macroeconomics, Surjeet Publications, New Delhi	
5.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt Ltd., Singapore.	
Web Resources		
1.	http://www2.econ.iastate.edu/tesfatsi/sources.htm	
2.	https://www.khanacademy.org/economics-finance-domain/macroeconomics	
3.	https://www.econlib.org	
4.	https://economics.mit.edu/	
5.	https://hbswk.hbs.edu/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	3	2	3	3	3	3	3
Weightage	14	15	14	15	14	15	15	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	3.0	3.0	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	3	3	3	2	2
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	12	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.6	2.2

Strong-3 M-Medium-2 L-Low-1

SECOND YEAR - SEMESTER III

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC6	MATHEMATICS FOR ECONOMICS	Core -VI	4	5	25	75	100
Learning Objectives							
C1	To integrate the concepts of Economics with Mathematical tools.						
C2	To use Matrices to find solutions in Economics.						
C3	To apply the applications of Matrix algebra and its uses						
C4	To know the differentiation and its function						
C5	To understand the second order derivatives and its maxi mini function						
UNIT	Contents						No. of Hours
I	Introduction Variables, Constants, Equations and its types - Uses and Limitations of Mathematics in Economics - Functions of one or more variables - Linear Function - Homogenous Function - Applications in Economics.						12
II	Matrix Algebra and Determinants Types of Matrices - Matrix Operations: Addition - Subtraction - Matrix Multiplication - Transpose of Matrix. Determinants: Meaning - Inverse of a Matrix - Cramer's Rule (Problems).						15
III	Applications of Matrix Algebra Solving a system of Linear Equations - Quadratic Equation - Leontief's Input-Output Model - Open and Closed Model - Components, Uses, and Limitations - Hawkins - Simon Conditions for Viability of Input and Output Model (Problems).						18
IV	Differentiation Rules of Differentiation - Economic Applications: Marginal and Elasticity Concepts - Relationship between AR, MR, and Price Elasticity of Demand - Relationship between AC and MC.						15
V	Optimization (Single Variable) Higher Order Derivates - Order Conditions for Maxima and Minima, Economic Applications: Output and Revenue Maximization - Cost Minimization - Profit Maximization under Perfect Competition, Monopoly (Problems).						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand Basic Concepts of Mathematics and its application in Economics.	PO1,PO3
2	Analyze the relevance of the Types of Matrices	PO1,PO2
3	Calculate optimal values in the system of Equations and the importance of Input-Output Analysis	PO2,PO3
4	Gain knowledge of the rules of Differentiation and its Economic Applications	PO1,PO2, PO3
5	To optimize single variable functions in Economics	PO1,PO3
Textbooks		
1	Mehta and Madnani (2019) Mathematics for Economists Sultan Chand and Sons	
2	Edward T. Dowling,(2002) “Mathematical Methods for Business and Economics”, Schaum’s Outline Series, 3 rd Edition, Mc Graw Hill	
3	Renshaw Geoff, (2005) Maths for Economics, 3 rd Edition Oxford University Press, Oxford	
4	Carl P Simon & Lawrence E. Blume,“Mathematics for Economists”, Published by W. W. Norton & Company,2010	
5	Ian Jacques, “Mathematics for Economics and Business”, Pearson, 2018	
Reference Books		
1.	Chiang, A. C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 1984	
2.	G. Hadley, Linear Algebra Addison – Wesley Publishing Company, 1977.	
3.	K. Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.	
4.	Mabett. Alan J Workout for Mathematics for Economist McMillan 1986.	
5.	R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co.Ltd.,2008	
Web Resources		
1.	https://www.coursera.org/learn/mathematics-for-economists	
2.	https://mitpress.mit.edu/9780262294805/mathematics-for-economics/	
3.	https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf	
4.	https://mitpress.mit.edu/9780262046626/mathematics-for-economics/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	3	3	3	3	3	3
Weightage	15	14	15	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	3.0	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2
CO2	3	3	2	2	2
CO3	3	3	2	2	2
CO4	3	3	3	2	3
CO5	2	2	3	3	3
Weightage	14	14	12	11	12
Weighted percentage of Course Contribution to PSOs	2.8	2.8	2.6	2.2	2.6

Strong-3 M-Medium-2 L-Low-1

SECOND YEAR - SEMESTER III

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE3	PRINCIPLES OF MARKETING	Generic Elective - III	3	4	25	75	100
Learning Objectives							
C1	To assess the nature and scope of marketing and its functions						
C2	To understand the buying behavior and market segmentation with consumer protection act						
C3	To know the product, pricing decisions and pricing of new products						
C4	To reveals the distribution and promotions decisions its types and methods						
C5	To analyse the marketing technique and marketing services						
UNIT	Contents						No. of Hours
I	Introduction Marketing: Meaning - Nature and Scope - Classification of Market - Features of Marketing - Importance of Marketing - Modern Concept of Marketing - Standardization - Grading.						15
II	Buying Behaviour and Market Segmentation Consumer Behaviour - Classification - Buying Decision Process - Buying Motives - Consumer Protection Act 1986 and Latest Amendments - Market Segmentation: Concept and Methods - Product Differentiation Vs Market Segmentation - Marketing Mix.						15
III	Product and Pricing Decisions Concept of Product - Product Planning - Product Mix - Product Life Cycle. Pricing Strategies: Skim Pricing - Penetrating Pricing - Cost Plus Method of Pricing - Break Even Analysis - Marginal Cost of Pricing.						16
IV	Distribution and Promotion Decisions Channels of Distribution: Importance - Wholesaling and Retailing. Promotional Methods - Promotion Mix - Advertising: Objectives, Characteristics and Types of Advertising Mediums - Personal Selling: Importance - Selling Process. Sales Promotion: Meaning and Distinctive Characteristics.						14
V	Marketing Finance and Information: Sources of Marketing Finance - Fixed and Working Capital - Factors which determine Working Capital - Types and Sources of Working Capital - Installment - Hire Purchase. Marketing Information: Sources - Method of Collecting Marketing Information - Marketing Information Systems - Benefits.						15
Total						75	

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the Classification of Markets and Marketing Functions	PO1, PO2
2	Analyze the buying behaviour, Buying Decision Process and Understand Basic Theories, Consumer Protection Act, Product Differentiation and Marketing Mix.	PO2, PO3
3	Understand the concept of Product Mix, Product life cycle, Pricing Policies and Pricing of New Products.	PO1, PO2
4	Describe the Channel of Distribution, Wholesaling, Retailing, Sales promotion and their distinctive characteristics.	PO1, PO2
5	Evaluate the concepts of Modern Marketing and Elements.	PO1, PO2, PO3
Textbooks		
1	Dr.Rajan Nair.(2020) ,Marketing, Sultan Chand and Sons.	
2	Philip Kotler, (2016), Marketing: An Introduction, Asia Pacific Holding Private Limited	
3	Karunakaran K (2011) Marketing Management (Text and Cases in Indian Context), Himalaya Publishing House Mumbai	
4.	Seema Gupta (2022) Digital Marketing 3 rd Edition McGraw Hill	
5.	Gary M. Armstrong, Stewart Adam, Sara Marion Denize, Michael Volkov, Philip Kotler, “Principles of Marketing”, Pearson, 2017	
Reference Books		
1.	Pillai, R.S.N and Bhagvathi (2010), Modern Marketing Principles and Practices. S Chand & Co Ltd.,	
2.	Dr.C. B.Gupta, Dr.N.Rajan Nair (2020), Marketing Management, Sultan Chand & Sons.	
3.	Varshney, R. Land B. Bhattacharyya (2022), International Marketing Management, Sultan Chand and Sons.	
4.	Dr.C.B.Mamoria, Pradeep Jain, Priti Mitra,(2013)Theory and Practice of Marketing, KitabMahal	
5.	Sheena Iyengar(2011) The Art of Choosing ,Little Brown Book Group	
Web Resources		
1.	https://marketingland.com	
2.	https://www.worldsupporter.org/en/chapter/41634-summary-principles-marketing-kotler	
3.	https://mailchimp.com/marketing-glossary/marketing-mix-7ps/	
4.	https://www.linkedin.com/learning/paths/become-an-online-marketing-manager	
5.	https://www.wordstream.com/learn	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	2	3	3	3	2	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	2
CO2	3	2	3	3	2
CO3	3	3	3	2	3
CO4	3	2	3	2	3
CO5	3	3	2	2	2
Weightage	15	12	14	11	12
Weighted percentage of Course Contribution to PSOs	3	2.6	2.8	2.2	2.4

Strong-3 M-Medium-2 L-Low-1

SECOND YEAR - SEMESTER III

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE3	ECONOMICS OF TOURISM	Generic Elective - III	3	4	25	75	100
Learning Objectives							
C1	To familiarise students with the basic concepts of Tourism.						
C2	To probe the tourism demand forecasting and its methods						
C3	To analyse the impact of tourism and its related aspects						
C4	To understand the contribution of the Tourism Industry						
C5	To examine the various international organisations in Tourism.						
UNIT	Contents						No. of Hours
I	Introduction Introduction - Economics and Tourism - Tourism Demand - Theoretical Background - Types of Tourism Demand - Determinants of Tourism Demand.						15
II	Tourism Demand Tourism Demand Forecasting - Methods of Forecasting - Public and Private Sectors in Tourism - Need for Public and Private Sector Co-operation in Tourism - Growth of Tourism Demand in India.						15
III	Tourism Impacts Impact of Tourism - Economic Aspects - Multiplier Effect - Displacement Effect and Tourism - Tourist Spending - Costs and Benefits of Tourism to Community - Environmental Aspects - Contingency Valuation Method.						15
IV	Tourism in India Major Tourism Circuits of India: Inter-State and Intra-State - Heritage Tourism - Wild life Tourism and Eco Tourism - Tourism in Tamil Nadu.						15
V	Tourism Organizations Role and Functions of World Tourism Organization (WTO), Pacific Asia Travel Association (PATA), World Tourism &Travel Council (WTTC) - Ministry of Tourism, Govt. of India, ITDC, Department of Tourism, Government of Tamil Nadu TTDC - IHA - IATA - TAAI - IATO.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the importance of Tourism	PO1,PO2
2	Understand various methods to calculate demand for tourism	PO1, PO3,PO4
3	Analyse the impact of Tourism	PO1,PO2
4	Know the various Tourist circuits in India	PO6, PO8
5	Learn the role of Organisations in tourism development	PO1,PO2,PO8
Textbooks		
1	Stephen Ball (2007), Encyclopaedia of Tourism Resources in India,B/H.	
2	Manoj Dixit (2002), Tourism Products, New Royal Book Co. Lucknow	
3	Vanhove and Norber, “The Economics of Tourism Destinations”, T & F India, 2010	
4	Mike J. Stabler, Andreas Papatheodorou, M. Thea Sinclair, “ Economics of Tourism”, Talyor & Francis, 2009	
5	Yong Chen, “Economics of Tourism and Hospitality:A Micro Approach”, Talyor & Francis, 2021	
Reference Books		
1.	Bhatia A.K (2020)Tourism Development : Principles and Practices Sterling Publishers Private Limited	
2.	Mishra P.K (2018) Tourism in India: Potential, Problems and Prospects(2018) New Century Publications	
3.	Prasanna Kumar (2017) Marketing for Hospitality and Tourism Mc Graw Hill Education	
4.	Sneha Pathak and RiteshMishra(2019) Medical Tourism in India 93-88797-49-8	
5.	Geetanjali (2010)Tourism Management ABD Publishers	
Web Resources		
1.	https://www.unwto.org/	
2.	https://itdc.co.in/	
3.	https://tourism.gov.in/	
4.	https://www.traveldailymedia.com/importance-of-travel-website-for-the-travel-company/	
5.	https://www.oecd.org/cfe/tourism/	

SECOND YEAR - SEMESTER III

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23USE3	ENTREPRENEURIAL SKILLS	Soft Skill - III	1	1	25	75	100
Learning Objectives							
C1	To understand the basic concept of entrepreneurship development						
C2	Familiar with motivating factors						
C3	To identify and classify the project						
C4	To know the steps to start a small scale industry						
C5	To trace trace the institutions for entrepreneurial development						
UNIT	Contents						
I	Entrepreneurship Definition of Entrepreneur and Entrepreneurship - Characteristic of Entrepreneurship - Functions of Entrepreneurs - Qualities of a true Entrepreneur - Types of Entrepreneurs - Kao's Conceptual Model of Entrepreneurship - Growth of Entrepreneurship in India - Women Entrepreneurs - Problems and Prospects.						
II	Entrepreneurial Motivation and Systems Motivating Factors - David Mecllland's Achievement Motivation Theory - Search for Business Ideas - Sources of Idea - Idea Processing and Selection of Ideas.						
III	Project Identification and Classification Meaning of Project - Project Objectives - Project Classification - Identification - Desk Research and Techno Economic Survey - Project Constraints - Internal and External - Project Life Cycle.						
IV	Promoting and Starting an Industrial Unit Nature and Types of Promoters - Steps to Start a Small Scale Industry - Meaning and Definition of Incentives and Subsidy - Need for Incentives - Subsidies and Incentives Available.						
V	Institutions for Entrepreneurial Development District Industries Centre (DIC) - State Samll Industries Corportion (SSIC) - Samll Industries Development Corportion (SIDCO) - Industrial and Technical Consultancy Organisation of Tamil Nadu (ITCOT) - National Alliance of Youth Entrepreneurship (NAYE) - Commerical Banks - New Entrepreneurial Development Agency (NEDA) - Directorate of Industries - Indian Investment Centre.						

Books for Reference:

- | | | |
|--------------------------------|---|--------------------------------|
| 1. Entrepreneurial Development | - | C.B. Kupta and N.P. Srinivasan |
| 2. Entrepreneurial Development | - | Saravanavel |
| 3. Entrepreneurial Development | - | S.S. Khanka |
| 4. Entrepreneurial Development | - | Vasant Sathe |

SECOND YEAR - SEMESTER IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC7	MACRO ECONOMICS - II	Core - VII	4	5	25	75	100
Learning Objectives							
C1	To analyse the IS-LM model and its shifts						
C2	To probe the macro economic variables and business cycle						
C3	To trace the macroeconomic theories and analyze the macroeconomic policies.						
C4	To understand the monetary policy and its instruments.						
C5	To know the fiscal policy and its instruments.						
UNIT	Contents						No. of Hours
I	IS-LM Model Investment and Interest Rate - Money Demand, Money Supply and the Interest Rate - Derivation of IS and LM Curve - Shifts in IS Curve - Shifts in LM Curve - Intersection of IS and LM Curve.						15
II	Business Cycles Meaning - Characteristics - Phases of Business Cycles - Macroeconomic Variables and Business Cycles - Classical Theory: Hawtrey, Schumpeter, Hicks, Kaldor and Samuelson Models - Keynesian theory of Business Cycles.						15
III	Monetary Policy Money: Meaning - Functions of Money - Money Supply and Money Demand - Keynesian Theory of Money Demand. Monetary Policy: Meaning - Objectives - Instruments - IS-LM Model and Monetary Policy.						15
IV	Fiscal Policy Meaning - Objectives - Instruments - Classical and Keynesian Theory of Fiscal Policy - Fiscal Expansion - IS-LM Model and Fiscal Policy - Critique of Fiscal Policy.						15
V	Supply Side Economics Rational Expectation Hypothesis - New Classical School - Contribution of Robert Lucas - New Keynesian School.						15
	Total						75

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the IS-LM Model.	PO1,PO2
2	Learn the operation of theories of Business Cycles.	PO2,PO3
3	Analyze the components of Money Supply and Demand.	PO3,PO4
4	Evaluate the effectiveness of Fiscal Policy.	PO3,PO4
5	Understand Supply Side Economics.	PO1,PO2
Textbooks		
1	Mankiw Gregory (2017) Principles of Macroeconomics with coursemate, Books Express Publications.	
2	Rudiger Dornbusch, FischerStanely, and Richard Startz (2000), Macro Economics, tata McGraw-Hill publishing company, New Delhi	
3	Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.	
4	Vaish M.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi	
5	Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher	
Reference Books		
1.	Ahuja H.L, (2016) Macroeconomics: Theory and Policy. S. Chand	
2.	Mueller, M.G. (Ed.) (1978), Readings in Macro Economics, Surjeet Publications, New Delhi	
3.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore	
4.	Parkin, M., 2014. Macroeconomics 11 th Edition Essex: Pearson Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.	
5.	Soumen Sikdar,“Principles of Macroeconomics”, OUP India, 2020	
Web Resources		
1.	https://tradingeconomics.com	
2.	https://www.bu.edu/econ/files/2014/08/DLS1.pdf	
3.	https://www.imf.org	
4.	https://www.aeaweb.org/resources/students	
5.	https://www.worldbank.org/en/topic/macroeconomics	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	3.0	2.8	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	2
CO4	3	2	3	2	3
CO5	3	3	2	3	3
Weightage	15	14	13	12	12
Weighted percentage of Course Contribution to PSOs	3	2.8	2.6	2.4	2.4

Strong-3 M-Medium-2 L-Low-1

SECOND YEAR - SEMESTER IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC8	INDIAN ECONOMY	Core -VIII	4	5	25	75	100
Learning Objectives							
C1	To understand the features and issues of Indian economy and new economic policy						
C2	To analyse the poverty and human development and its method						
C3	To equip conceptual foundations and macroeconomic concepts of Indian Economy						
C4	To describe the trends in production and productivity in agriculture						
C5	To know the importance of foreign trade for a developing economy						
UNIT	Contents						No. of Hours
I	Introduction Features and Issues of Indian Economy - Economic Planning - Significance of Planning - Achievements and Failures of Planning in India - New Economic Policy (LPG) 1991 - NITI Aayog - Modernization - Self Reliance - Equality.						15
II	Poverty and Human Development Index Poverty and Inequality - Definition and Estimates, Gini Coefficient, Sen Index, Poverty Line - Income and Regional Inequalities: Causes and Measures. Unemployment: Nature and Extent, Measures - HDI.						15
III	Sectors of the Indian Economy Indian Agriculture: Trends in Production and Productivity - Land Reforms - Green Revolution - Agricultural Pricing - Agricultural Marketing - Food Security. Industrial Development: Trends and Problems, MSMEs - Industrial Policy 1991 and Recent Developments. Service and Financial Sectors in India: Overview - Importance - Expansion of Private Banks.						14
IV	Foreign Trade Importance of Foreign Trade - Composition and Direction of India's Foreign Trade - Role of FDI and Foreign Institutional Investors - India's Trade Policy.						16
V	Fiscal Federalism Principles of Federal Finance - Fiscal Federalism in India - Functions and Sources of Revenue - Vertical and Horizontal Imbalances - Finance Commission - Reports and its Recommendations.						15
	Total						75

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Outline the nature of the Indian Economy and highlight the changes	PO1, PO2
2	Discuss the major issues of Poverty, Inequality, Unemployment, and Human Development in India in comparison to other countries	PO6, PO8
3	Provide a qualitative and quantitative overview of different sectors of the Indian Economy	PO1, PO2, PO3
4	Describe the components of Foreign Trade and analyze India's Balance of Payments	PO1, PO2, PO3
5	Identify various components of fiscal federalism in India	PO1, PO2
Textbooks		
1	Gaurav Datt and Ashwani Mahajan "Datt and Sundaram's Indian Economy" S.Chand 72 nd Edition.	
2	Kaushik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3 rd Edition, OUP, New Delhi.	
3	Ramesh Singh, "Indian Economy", Mc Graw Hill, 2022	
4	Sanjiv Verma, "The Indian Economy", Unique Publication, 2022	
5	Dr. V.C Sinha, "Indian Economy Performance and Policies", SBPD Publications, 2021	
Reference Books		
1.	Puri. V.K & S.K. Misra (2022) Indian Economy	
2.	Uma Kapila (Ed.) (2018) Indian Economy Since Independence	
3.	Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi	
4.	Ashima Goyal (Ed.) The Oxford Handbook of the Indian Economy in the 21 st Century: Understanding the Inherent Dynamism, Oxford University Press	
5.	K. R. Gupta, J. R. Gupta, " Indian Economy", Altanic, 2008	
Web Resources		
1.	http://www.niti.gov.in/	
2.	https://www.rbi.org.in/	
3.	https://hdr.undp.org/	
4.	https://www.india.gov.in/	
5.	https://www.cmie.com/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	2	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	1
CO2	3	3	2	3	2
CO3	2	3	2	3	3
CO4	2	3	3	3	3
CO5	1	3	3	3	2
Weightage	10	15	12	15	11
Weighted percentage of Course Contribution to PSOs	2	3	2.4	3	2.2

Strong-3 M-Medium-2 L-Low-1

SECOND YEAR - SEMESTER IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE4	RESEARCH METHODS IN ECONOMICS	Generic Elective -IV	3	4	25	75	100
Learning Objectives							
C1	To understand the meaning and significance characteristics of scientific research						
C2	To know the formulation, selection of research problem and collection of reviews						
C3	To apply the various research design in the social science research						
C4	To enumerate the data and sampling methods						
C5	To discuss the report writing techniques and its procedures						
UNIT	Contents						No. of Hours
I	Introduction Research: Meaning and Significance - Characteristics of Scientific Research - Type of Research: Pure, Applied, Analytical, Exploratory, Descriptive, Surveys, Case-Study - Limitations of Social Science Research - Role of Computer Technology In Research.						15
II	Research Problem and Review of Literature Research Problem: Formulation and Selection - Necessity of Defining the Problem. Review of Literature: Importance of Literature Review in Defining a Problem - Identifying Gap Areas from Literature and Research Database.						15
III	Research Design Research Design: Concept and Importance in Research - Features of a Good Research Design - Exploratory Research Design - Descriptive Research Design - Experimental Design: Concept of Independent & Dependent variables.						12
IV	Data and Sampling Methods Data: Qualitative and Quantitative - Sources of Primary and Secondary Data - Census Vs Sampling - Sampling Methods: Probability and Non-Probability Sampling Methods - Sampling and Non-Sampling Errors.						15
V	Hypothesis and Report Writing Hypothesis: Types of Hypothesis: Null and Alternative Hypothesis - Type I and Type II Errors - Level of Significance and Critical Region. Report Writing: Types and Principles of writing the Research Report.						18
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the overview of Social Science Research.	PO1, PO2, PO4
2	Analyze the Research Process	PO1, PO2, PO4
3	Develop the Statistical Analysis to test Economic Theory and address Policy Issues	PO3, PO4
4	Know the sampling methods in Research.	PO1, PO2
5	Explain the hypothesis testing and Principles of Report Writing.	PO2, PO3, PO4
Textbooks		
1	Krishnaswamy, O.R. (1993) Methodology of Research In Social Sciences, Himalaya publishing House.	
2	Kothari, C. R. (2004). Research Methodology: Methods and techniques. New Age International.	
3	Vinod Chandra, Anand Hareendran, "Research methodology", Pearson, 2017	
4	R.Pannarselvam, "Research Methodology", PHI learning, 2014	
5	Ranjit Kumar, "Research Methodology", Sage Publication, 2010	
Reference Books		
1.	Taylor, B., Sinha, G., & Ghoshal, T. (2006). Research methodology: A guide to for researchers in management and social sciences. PHI Learning Pvt. Ltd..	
2.	Bhandarkar, P. L., Wilkinson, T. S., & Laldas, D. K. (2010). Methodology & Techniques of Social Research. Himalaya Publishing House	
3.	Kumar, A. (2002). Research methodology in social science. Sarup & Sons	
4.	Daniel, P. S., & Sam, A. G. (2011). Research methodology. Gyan Publishing House	
5.	Ethridge, D. (2004). Research methodology in applied economics: organizing, planning, and conducting economic research, Blackwell publishing	
Web Resources		
1.	http://ignou.ac.in	
2.	http://egyankosh.ac.in	
3.	https://www.educba.com	
4.	https://research.com/research/how-to-write-research-methodology	
5.	https://www.questionpro.com/blog/what-is-research/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	1
CO2	2	2	2	2	3
CO3	3	3	2	3	3
CO4	1	2	2	3	3
CO5	2	2	1	2	3
Weightage	10	11	9	12	13
Weighted percentage of Course Contribution to PSOs	2	2.2	1.8	2.4	2.6

Strong-3 M-Medium-2 L-Low-1

SECOND YEAR - SEMESTER IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECGE4	HEALTH ECONOMICS	Generic Elective - IV	3	4	25	75	100
Learning Objectives							
C1	To understand the importance of health sector in economic development						
C2	To evaluate the components of demand and supply of health care						
C3	To Understand the importance of Health Indicators.						
C4	To evaluate the components of Demand of Healthcare.						
C5	To examine the review the existing Health Infrastructure.						
UNIT	Contents						No. of Hours
I	Introduction Health and Economic Development - Determinants of Health - Health Indicators - Birth Rate - Fertility - Morbidity - Mortality - IMR - CMR - MMR - Disability Adjusted Life Year (DALY) - Sex Ratio - Quality Adjusted Life Year (QALY) - Amartya Sen's Capability Approach.						15
II	Demand for Health Care Demand for Health Care Services - Preference for Health Care using Indifference Curves - Budget Constraints - Income and Price Effects for Health Care - Elasticity of Demand for Medical Care.						15
III	Supply of Health Care Supply of Health Care Services - Physicians and Medical Personnel as Health Care Providers - Non Labour Inputs - Hospitals - Interaction of Demand and Supply of Health Care.						15
IV	Health Infrastructure Health Infrastructure - Rural - Urban - Government Programmes - Preventive, Promotive and Curative Health Care Services - Health Allocation in Budget						15
V	Health Services and Medical Insurance Health Insurance - Types of Insurance Policies in India - Medical Ethics - Medical Tourism.						15
	Total						75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the importance of Health Indicators.	PO1, PO2
2	Evaluate the components of Demand of Healthcare.	PO3, PO6, PO8
3	Analyze the importance of Supply of Healthcare Services.	PO2, PO6
4	Review the Existing Health Infrastructure and Budget Allocation.	PO1, PO2, PO8
5	Trace the growth of Medical Tourism in India and understand the need for Health Insurance.	PO1, PO2, PO3, PO4
Textbooks		
1	Xamer Martinez Giralt (2010), “Principles of Health Economics”, Routledge, 2010	
2	Banerjee, D. (1975), social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June 1975	
3	Jay Bhattacharya, Timothy Hyde and Peter Tu, “Health Economics”, Palgrave Macmillan, 2014	
4	Peter Zweifel, Friedrich Breyer, Mathias Kifmann, “Health Economics, Springer Berlin Heidelberg, 2009	
5	Barbara McPake, Charles Normand, Charles E. M. Normand, “Health Economics: An International Perspective”, Routledge, 2008	
Reference Books		
1.	Himanshu Sekhar Rout and Prasant Kumar Panda (2010) Health Economics in India	
2.	Edwin G Dolan and John C Goodman	
3.	D. Amutha (2016) “A Textbook of Health Economics”, Edition 1, Mangalam Publishers and Distributors, Chennai.	
4.	Charles E. Phelps, Health Economics”, Routledge, 2017	
5.	Jan Abel Olsen, “Principles in Health Economics and Policy”, OUP Oxford, 2017	
Web Resources		
1.	www.census.org	
2.	www.NFHS.org	
3.	www.NSSO.org	
4.	https://tnhealth.tn.gov.in/	
5.	https://tnhealth.tn.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	2	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	3.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	1	3	1
CO2	2	2	2	2	2
CO3	2	3	2	3	2
CO4	3	3	3	3	2
CO5	3	3	2	3	3
Weightage	13	14	10	14	10
Weighted percentage of Course Contribution to PSOs	2.6	2.8	2	2.8	2

Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC9	MONETARY ECONOMICS	Core - IX	4	5	25	75	100
Learning Objectives							
C1	To understand the theories that governs and its application						
C2	To explain working of the Monetary System and its uses						
C3	To know the Role of Commercial Banks after Nationalisation and its operations						
C4	To compare the monetarism and Keynesianism						
C5	To identify the role of central banks and its operations						
UNIT	Contents					No. of Hours	
I	Money Definition of Money - Evolution of Money - Functions of Money - Significance of Money - Kinds of Money - Qualities of a Good Money - Crypto Currencies.					15	
II	Supply and Demand for Money Supply of Money: Meaning - RBI Approach to Money Supply: (M ₁ , M ₂ , M ₃ , and M ₄) - Determinants of Money Supply. Demand for Money: Fisher's Quantity Theory of Money - Keynes view of Demand for Money - Friedman's Quantity Theory of Money.					15	
III	Inflation, Deflation and Trade Cycle Inflation: Meaning - Demand-Pull and Cost-Push Inflation - Causes - Effects - Control of Inflation. Deflation: Meaning - Causes - Effects - Control of Deflation. Trade Cycle: Meaning - Various Phases of Trade Cycle.					15	
IV	Banking and Monetary Stability Functions of Commercial Banks - Features of Development Bank - Nature and Functions of Central Bank - Functions of Reserve Bank of India. Narasimhan Committee Report. Monetary Policy and its Operations in India.					15	
V	Banking Service: Consumer Services in Banking - Saving Account - Current Account - Recurring Deposit Account - Fixed Deposit - Internet Banking - ATM - Advantages and Disadvantages - Credit Cards and Online Services.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge of Money and its Functions.	PO1,PO2
2	Understand the Demand for Money and its Determinants.	PO1,PO2
3	Acquire information on Supply of Money and its Determinants.	PO1,PO2
4	Understand operations of Commercial Banks and Money Multiplier.	PO1,PO2,PO3
5	Identify the Monetary Policy Implications	PO1,PO2,PO8
Textbooks		
1	Gupta R.D. (1995), Keynes and Post Keynesian Economics, Kalyani Publishers, New Delhi.	
2	Jhingan M. L. (2004), Monetary Economics, Konark Publication, New Delhi.	
3	Jagdish Handa, “Monetary Economics”, Talyor & Francis, 2008	
4	L. Blume, Steven Durlauf, “Monetary Economics”, Palgrave Macmillan, 2016	
5	Keith Bain, Peter Howells, “Monetary Economics:Policy and Its Theoretical Basis””, Macmillan, 2009	
Reference Books		
1.	Vaish M.C. (2004), Money, Banking and International Trade, New Age International (P) Ltd, New Delhi.	
2.	Sundaram K.P.M. (1996), Money, banking and International Trade, Vikas, New Delhi.	
3.	Basil J. Moore (1965), An Introduction to the theory of Finance, Oxford University Press.	
4.	Sethi, T.T. (2003). Monetary Economics: S. Chand and Co., New Delhi	
5.	Ghosh, B.N. and Rama Ghosh. (1989). Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai	
Web Resources		
1.	www.rbi.org.in	
2.	https://www.imf.org	
3.	https://www.oecd.org	
4.	https://www.bis.org/publ/work437.pdf	
5.	https://www.worldbank.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	2	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	2	3	2	2
CO3	3	2	3	2	2
CO4	3	2	3	2	2
CO5	3	3	3	3	3
Weightage	15	12	15	12	11
Weighted percentage of Course Contribution to PSOs	3	2.4	3	2.4	2.2

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC10	FISCAL ECONOMICS	Core - X	4	5	25	75	100
Learning Objectives							
C1	To enable students to acquire Knowledge on the various facets of Fiscal Economics.						
C2	To illustrates various theories of fiscal economics and its applications						
C3	To describes the budget process and features of a good tax system						
C4	To analyse the trends in public expenditure and debt management						
C5	To evaluate the Budget of the Government of India, central and state relation						
UNIT	Contents						No. of Hours
I	Introduction Fiscal Economics: Nature, Scope, Objectives and Instruments - Major Fiscal Functions - Market Failure: Public Goods and Private Goods - Externalities - Principles of Functional Finance.						15
II	Theories of Fiscal Economics and Policy Principle of Maximum Social Advantage - The Benefit Approach - The Ability-to-Pay Approach - Equal Sacrifice Principle - Fiscal Policy: Objectives - Instruments of Fiscal Policy.						14
III	Public Revenue Taxation: Direct and Indirect Taxes - Incidence and Shifting of Taxation - Optimal Taxation. Public Revenue: Sources of Public Revenue (Tax Revenue & Non-tax Revenue) - Trends in Revenues of Indian Government - Sources of State Government Revenue.						16
IV	Public Expenditure and Debt Public Expenditure: Canons and Classification - Growth of Public Expenditure - Measures to Control Public Expenditure - Effects of Public Expenditure. Public Debt: Meaning - Classification - Causes - Effect of Public Debt - Redemption - Principles of Public Debt Management.						15
V	Budget and Deficit Financing Budget: Meaning - Features - Objectives - Types of Budgets - Techniques of Budget - Budgetary Procedure. Deficit Financing: Meaning - Importance of Deficit Financing. Fiscal Federalism: Centre and State Relations. Finance Commissions: Significance - Recommendations of Latest Finance Commission						15
	Total						75

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the importance and Instruments of Fiscal Economics.	PO1,PO2
2	Evaluate the Principles and theories of Public Finance.	PO2
3	Analyze the Budget, Indian Tax System and Policy.	PO2,PO3
4	Describe Classification, Laws of Public Expenditure and Public Debt.	PO1,PO2
5	Know the Indian Public Finance System and Policy Recommendations.	PO1,PO3,PO7
Textbooks		
1	Bhatia H.L., (2012), Public Finance, Vikas Publications.	
2	Tyagi B.P and H.P.Singh(2018) “ Public Finance” Jai Prakash Nath & Co ,Meerut	
3	Dr. S.K Singh, “Public Finance in theory and Practice”, S. Chand Publishing, 2008	
4	Lekhi, “Public Finance”, Kalyani Publishers, 2015.	
5	Richard. A. Musgrave & Peggy B. Musgrave, “Public Finance in Theory and Practices”, McGraw Hill International Edition, New York, 2006.	
Reference Books		
1.	Harvey Rosen, (2005), Public Finance, Seventh Edition, McGraw Hill Publications.	
2.	Kaushik Basu and Maertens (Ed), (2013), The New Oxford Companion to Economics in India, Oxford University Press.	
3.	Sury M.M., (1990), Government Budgeting in India, Commonwealth Publishers.	
4.	Andley and Sundaram. (2004). Public Finance, Ratan Prakashan, Agra.	
5.	Mu Raja J. Chelliah, “Fiscal Policy in Underdeveloped Countries”, Allen and Moowbray Limited at the Alden Press Oxford, II Edition, 2012.	
Web Resources		
1.	https://finmin.nic.in/	
2.	https://www.nipfp.org.in/	
3.	https://www.niti.gov.in/	
4.	https://www.gst.gov.in/	
5.	https://www.indiabudget.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	2	2	3	3	2
CO3	3	3	3	2	3
CO4	2	2	2	2	1
CO5	3	3	2	3	2
Weightage	13	13	13	13	10
Weighted percentage of Course Contribution to PSOs	2.6	2.6	2.6	2.6	2

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC11	INDUSTRIAL ECONOMICS	Core - XI	4	5	25	75	100
Learning Objectives							
C1	To discuss the Features, Performance and development issues of the Indian Economy						
C2	To analyse the various theories of Industrial Location.						
C3	To know the licensing policies and industrial sickness						
C4	To describe the growth Patterns in Indian Industrial Sector.						
C5	To observe the trends and prospects of industrial growth in India						
UNIT	Contents					No. of Hours	
I	Introduction Nature and Scope of Industrial Economics - History of Industrial Revolution - Digital Revolution - Classification of Industries: Public Sector - Private Sector - Public Private Partnerships - Large Scale Industries - MSMEs - Cottage Industries - Concept of Plant, Firm and Industry.					15	
II	Industrial Location Weber's Theory of Location - Sargant Florence's Theory - Factors Influencing Industrial Location - Balanced Regional Development of Industries - Need for Balanced Regional Development in India.					16	
III	Industrial Licensing and Policies Industrial Licensing - Measurement of Concentration - Consequences of Concentration of Economic Power - MRTP Act - Industrial Policies – Industrial Sickness - Mergers and Acquisitions - Profitability and Efficiency.					14	
IV	Industrial Productivity and Finance Measurement of Productivity - Tools of Productivity - Factors Influencing Industrial Productivity. Need for Finance - Types of Institutional Finance for Industries: IFCI - ICICI - IDBI - SFCs - SIDC - NIDC - Commercial Banks etc.					15	
V	Growth Trends in India Industrial Growth in India: Trends and Prospects - Incentives to Promote Industrialization - Ease of Doing Business Index - MNCs in India - Special Economic Zones - Make in India Initiative - National Manufacturing Policy.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the importance of Industrial Economics	PO1,PO2
2.	Examine theories of industrial Location	PO2,PO3
3.	Review the relevance of Industrial Policies	PO1,PO2,PO3
4.	Describe the Industrial belts of the World and India	PO2,PO2
5.	Analyse the Industrial Trends in the Indian Economy.	PO2,PO3
Textbooks		
1.	Ranjana Seth. (2010) Industrial Economics Ane’s Student Edition.	
2.	Barthwal R.R (2007) Industrial Economics An Introductory Textbook, New Age International Publishers	
3	Dennis W.Carlton and Jeffrey M.Perloff, Modern Industrial Organisation, Cambridge University Press,2015	
4	Rajesh Kumar R (2021) Industrial Economics and Foreign Trade Jyothis Publishers	
5	Louis Philips, “Applied Industrial Economics”, Cambridge University Press, 1998	
Reference Books		
1.	John Weiss (2011) The Economics of Industrial Development, Routledge	
2.	Kuchhal, S. C. Industrial Economy of India, Chaitanya Publishing House, Allahabad (1980)	
3.	Dhingra I.C and Nitin Dhingra (2013) Industrial Economics Book Age Publications	
4.	Martin, S., (2001) Advanced Industrial Economics, 2nd Edition, Wiley-Blackwell	
5.	Paul Belleflameet.l.“The theory of Industrial Organisation- Markets and Strategies”, Cambridge University Press, 2012	
Web Resources		
1.	https://www.india.gov.in/topics/industries	
2.	https://business.mapsofindia.com/india-industry	
3.	https://dpiit.gov.in/	
4.	https://dri.nic.in/	
5.	https://msme.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	3	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	15	15	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	3
CO2	3	3	2	2	3
CO3	3	3	2	3	3
CO4	2	3	2	3	3
CO5	3	3	2	3	3
Weightage	14	15	10	13	15
Weighted percentage of Course Contribution to PSOs	2.8	3	2	2.6	3

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE1A	TAMIL NADU ECONOMY	Elective - I	3	4	25	75	100
Learning Objectives							
C1	To discuss the features, performance and development issues of Tamil Nadu Economy						
C2	To analyse the agricultural and industrial scenario in Tamil Nadu						
C3	To understand the industrial scenario in Tamil Nadu and its growth						
C4	To know the general performance of the Tamil Nadu						
C5	To describe the state finances and its development initiatives						
UNIT	Contents					No. of Hours	
I	Introduction Tamil Nadu - Salient Features - Geographical Features - Economic and Social Indicators - Human Development Index - Gender Disparity Index - Poverty Index - Work Participation Rate - Unemployment Rate - Literacy Rate - Life Expectancy - Demography and Occupational Patterns.					15	
II	Agriculture Agriculture - Land Use Patterns - Cropping Pattern - Irrigation - Agricultural Marketing - Defects and Remedial Measures - Agricultural Finance - Crop Insurance - Food Security - Public Distribution System - Targeted Public Distribution System.					16	
III	Industry Industrial Scenario in Tamil Nadu - Large Industries - MSMEs - Khadi and Village Industries. Industrial Financial Institutions: TIIC, SIDCO, SIPCOT. Industrial Estates: DIC, EPZ, SPZ, SEZ.					14	
IV	State Finances and Development Initiatives State Finance - Revenue and Expenditure of the State - Tamil Nadu's Recent Budget - Poverty Alleviation and Unemployment Programmes - Education and Health Care and State Welfare Programmes.					15	
V	General Performance of the State Tourism and Medical Tourism - Women Empowerment Programme - Self Help Groups and Micro Finance - Mahalir Thittam - Environmental Protection Measures.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand salient features, Poverty, Unemployment of Tamil Nadu Economy	PO1,PO2
2	Examine the Issues in Indian Agriculture, Land Use Patterns, finance and Insurance	PO2,PO3
3	Grasp the Industrial Scenario in Tamil Nadu	PO1,PO7 ,PO8
4	Describe the status of State Finances and Development Programmes of Tamil Nadu	PO2,PO3
5	Analyse the overall performance of Tamil Nadu Economy.	PO3,PO7,PO8
Textbooks		
1	Leonard A.G,S.J, (2006), Tamil Nadu Economy, Macmillan India Ltd, New Delhi	
2	Naganathan M (2002), Tamil Nadu Economy: Trends and Prospects, (ed.), University of Madras.	
3	Rajalakshmi N, (1999), Tamil Nadu Economy, Business Publishers, Bombay.	
4	Kuppusamy.K, “Socio-Economic Development of India, Sharadha Publications, 2014	
5	S. Perumalsamy, “Economic Development of Tamil Nadu”, S.Chand & Company,1985	
Reference Books		
1.	Veeramani A.R., Tamil Nadu Agricultural Economy, Divyasre Publication,2015	
2.	Manickam.S, (2010), Tamil Nadu – An Economic Appraisal, Department of Evaluation and Applied Research, Panorama of Indian Economy.	
3.	Madras Institute of Development Studies, (1988), Tamil Nadu Economy: Performance and Issues, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi	
4.	Kurien C.T and James Joseph (1979), “Economic Change in Tamil Nadu: A Regionally and Functionally Disaggregated Study”, Allied Publishers Pvt. Ltd. New Delhi.	
5.		
Web Resources		
1.	www.tn.gov.in	
2.	http://tnenvs.nic.in/	
3.	https://www.msmeonline.tn.gov.in/	
4.	https://ctd.tn.gov.in	
5.	https://www.tamilnadutourism.tn.gov.in	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	2	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	2.8	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	3	3	3	3	2
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	15	11	15	14
Weighted percentage of Course Contribution to PSOs	3	3	2.2	3	2.8

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE1B	OPERATIONS RESEARCH	Elective - I	3	4	25	75	100
Learning Objectives							
C1	To enable students to understand the rational decision making in practice						
C2	To understand use of key concepts such as Linear Programming and its applications.						
C3	To probe the Transportation Assignment CPM, PERT and Queuing						
C4	To provide understanding about making Rational Decisions in practice.						
C5	To provide knowledge on acquiring Entrepreneurial Skills.						
UNIT	Contents					No. of Hours	
I	Introduction Definition - Methodology - Tools - Types of Operations Research Models - Operations Research and Decision Making - Limitations.					12	
II	Linear Programming Problem Definition - Applications - Assumptions - Formulation - Graphical Solution - Maximization and Minimization - Simplex Method (2 Variable)					15	
III	Transportation and Assignment Introduction - Matrix Formulation of a Transportation Problem - North West Corner Entry Method - Vogel's Approximation Method - Initial Basic Feasible Solution (basic problems) - Assignment - Introduction - Balanced and Unbalanced Assignment Problem - Solution using Hungarian Assignment Method.					18	
IV	Decision Theory Decision Making under Risk and Uncertainty - Decision Tree Analysis - Network Analysis - Basic Concepts: CPM - PERT					15	
V	Queuing Theory Queuing Theory - Basic Concepts - Traffic Intensity - Idle Rate - Single Channel - Number of Customers in Line and System - Time Spent by the Customers in Line and System - Probability of Customers' Waiting.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Characteristics and Methodology of Operations Research.	PO1,PO3
2	Analyse constraints in optimization using Linear Programming	PO2,PO3
3	Examine the role of various Transportation Model and Optimum cost in Assignment	PO2,PO3
4	Take appropriate decisions under conditions of risk and Uncertainty	PO3,PO4
5	Evaluate the costs involved in Queuing	PO2,PO3
Textbooks		
1	Vittal P.R, (2019), Introduction to Operations Research, Margham Publications	
2	Gupta P.K and Manmohan, (2019), Operations Research Sultan Chand, New Delhi	
3	G. Srivivasan, “Operations Research: Principles and Application”, Prentice Hall India Pvt., Limited, 2017	
4	Ravindran, Phillips, Solberg, “OPERATIONS RESEARCH: PRINCIPLES AND PRACTICE”, 2ND ED, Wiley, 2007	
5	P. RamaMurthy, “Operations Research”, New Age International, 2007	
Reference Books		
1.	Chawla K.K ,Vijay Gupta and Bhushan K.Sharma (2015) Introduction to Operations Research, Kalyani Publishers	
2.	HamdyTaha, (2017) Operations Research: An Introduction, 10 th Edition, Pearson	
3.	Kapoor V.K. (2017) Operations Research, Sultan Chand and Sons, New Delhi,	
4.	Gupta P.K & Manmohan (2003) Problems in Operations Research (Methods and Solutions), Sultan Chand and Sons, NewDelhi	
5.	Panneerselvam R. (2018) Operations Research, Prentice-Hall India,	
Web Resources		
1.	https://www.edx.org/course/operations-research-an-active-approach	
2.	https://www.theorsociety.com/resource-centre/teaching-resources/	
3.	https://or.stackexchange.com/questions/4277/operations-research-self-study-resources-for-beginners	
4.	https://www.notes4free.in/admin/postimages/OR%20NOTES.pdf	
5.	https://youtu.be/x-Wx9KLRBpk	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	2
CO2	3	3	3	3	3
CO3	3	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	15	11	15	14
Weighted percentage of Course Contribution to PSOs	3	3	2.2	3	2.8

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE2A	GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS	Elective - II	3	4	25	75	100
Learning Objectives							
C1	To create the opportunity for learning across different disciplines						
C2	To build experiences for students as they grow into lifelong learners.						
C3	To know the world climatic classification and its features						
C4	To build experiences for students as they grow into lifelong learners.						
C5	To know the history of modern India						
UNIT	Contents					No. of Hours	
I	Polity Three organs of Indian Government (Executive, Legislature, Judiciary) - Salient Features of Constitution, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Amendments to the Constitution, Division of subjects between the Union and the States, Local Governance, Elections in India and Election Commission.					15	
II	Geography Major Oceans of the World - Important Canals - Gulfs - Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere - Indian Climate - Indian Monsoon - India's Physical Features, Indian Soil - Types and Distribution - Indian agriculture - Major Crops and its distribution - Indian Industries and its Distribution.					15	
III	Economy National Income - Inflation - Money and Banking - Agriculture in India - Union Budget - Planning in India - Poverty - Unemployment - Inclusive Development - Industrial Policies - Financial Markets.					15	
IV	History Modern India - Formation of Indian National Congress - Morley Minto Reforms, Revolutionary Activities - World War I and India's Response - Home Rule League - Montague Chelmsford Reforms - Rowlatt Act - Non-Cooperation Movement - Simon Commission and Nehru Report - Civil Disobedience Movement and Round Table Conferences - Quit India Movement.					15	
V	Environment and Ecology Basic Concepts - Ecology, Biodiversity - Food Chain and Food Web - International Biodiversity Organisations - International Conventions - Conferences and Protocols -					15	

	Indian Environmental Laws and Environment Related Organisations.	
	Total	75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Develop broad knowledge of the different components in Polity	PO1,PO2
2	Understand the Geographical features across Countries and in India	PO1,PO2
3	Acquire Knowledge of the aspects of the Indian Economy	PO2,PO3
4	Understand the significance of India's Freedom Struggle	PO2,PO3
5	Gain Knowledge of Ecology and Environment	PO2,PO5
Textbooks		
1	Class XI and XII NCERT Geography	
2	History- Old NCERT's Class XI and XII	
3	Tamil Nadu State Board XI and XII History Books	
4	History- VI to X NCERT	
5	Economics - IX to XII NCERT	
Reference Books		
1.	Laxmikanth.M (2019), Indian Polity, McGraw-Hill	
2.	Ramesh Singh (2022), Indian Economy, McGraw Hill	
3.	Leong, G.C Physical and Human Geography, Oxford University Press	
4.	Majid Hussain, India Map Entries in Geography, GK Publications Pvt. Ltd.	
5.	Majid Hussain - Environment and Ecology, GK Publications Pvt. Ltd	
6.	Rajiv Ahir, A Brief History of Modern India- Spectrum Books Pvt Ltd	
Web Resources		
1.	https://darpg.gov.in/en	
2.	https://www.india.gov.in/topics/governance-administration	
3.	https://dea.gov.in/	
4.	https://mausam.imd.gov.in/	
5.	http://moef.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	2	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	14	14	14	15	14	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	3.0	2.8	3.0	3.00

Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	3
CO3	3	3	2	3	3
CO4	2	2	2	3	3
CO5	3	2	2	3	3
Weightage	14	13	11	15	15
Weighted percentage of Course Contribution to PSOs	2.8	2.6	2.2	3	3

Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE2B	GENDER ECONOMICS	Elective - II	3	4	25	75	100
Learning Objectives							
C1	Students will be able to sensitize on issues that is related to gender						
C2	To understand the conceptual clarification of women and work						
C3	To analyse the Women in Organized and Unorganized Sectors in an Economy						
C4	Identify the marginalization of women in economic theory and in the economy						
C5	Incorporate gender in mainstream policy making						
UNIT	Contents					No. of Hours	
I	Introduction to Gender Analysis and Economics Gender - Definition - Gender Analysis: Purpose and Scope - Feminist Perspective in Economics - Classical and Neo-classical Economics - Post Keynesian Economics - Economic Measurements - Empirical Challenges.					12	
II	Development and Anti-Development Development Vs Anti-Development - Women in Development (WID) - Women and Development (WAD) -Gender and Development - Women and Empowerment -Women and Environment - Ecofeminism.					15	
III	Women and Work – A Conceptual Clarification Invisibility of Women – “Statistical Purdah” - A Critique of Methods, Concepts, Definitions Employed in Economic Theory - A Critique of the Data System in India (Application) - Measures to Rectify this Invisibility					18	
IV	Marginalization of Women Women Sideline – Gender – Discrimination Theories - Women in The Labour Market – Sexual Division of Labour, Wage Differentials, Micro Credit - Women in the Organized and Unorganized Sectors of the Indian Economy (Application) - Feminization of Work and Feminization of Poverty.					15	
V	Gender, The Economy and Related Issues Population – Demographic Features - Health and Education - Policy Measures – Government and NGOs – Gender Budgeting.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Recognize needs for Gender Analysis	PO1,PO5
2	Analyze the role of gender in development	PO1,PO2,PO5
3	Identify the reasons behind the marginalization of women	PO2,PO5
4	Formulate policies to include the excluded	PO5, PO7
5	Integrate gender in Mainstream Economics	PO3, PO7
Textbooks		
1	Jaya Shrivatsava (2018) Gender Discrimination and Inequality in Contemporary India: Dimensions and Voices of Protests, Kalpaz Publications.	
2	Caroline Criado Perez (2019) Invisible Women: Data Bias in a World Designed for Men, Harry N. Abrams.	
3	Mukesh Eswaran (2020) Why Gender Matters in Economics Princeton University Press	
4	K.R.Gupta, “Gender Problems and Policies”, Atlantic, 2009.	
5	Joyce Jacobsen, “The Economics of Gender”, Wiley – Blackwell Publisher 3rd Edition, 2007	
Reference Books		
1.	GOI (1987), Shram Shakti, Report on the National Commission on Self – employed Women and Women in the Informal Sector New Delhi.	
2.	Julie A Nelson (1996), Feminism, Objectivity and Economics, Routledge, London.	
3.	Krishnaraj, Maithreyi and Joy P. Deshmukh (1991), Gender in Economics, Ajantha Publishers, New Delhi	
4.	Loutfi, MF (ed.)(2002), Women, Gender & Work, Rawat Publishers, New Delhi	
5.	Krishnaraj, M., and M.P.D. Joy. Gender in Economics. Ajantha, New Delhi, 1991	
Web Resources		
1.	https://www.unwomen.org/en/how-we-work/intergovernmental-support/world-conferences-on-women	
2.	https://wcd.nic.in/	
3.	https://www.tn.gov.in/departments/30	
4.	http://icds-wcd.nic.in/	
5.	http://ncw.nic.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	2	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	14	15	10	15	15
Weighted percentage of Course Contribution to PSOs	2.8	3	2	3	3

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR - SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC13	INTERNATIONAL ECONOMICS	Core - XIII	4	6	25	75	100
Learning Objectives							
C1	To evaluate critical overview of International Trade theories						
C2	To understand the Foreign Exchange Market and its operations						
C3	To know the BOP disequilibrium and International Trade Policy.						
C4	To impart knowledge on Foreign Exchange Market and its concepts						
C5	To familiarize students on Trade Policies						
UNIT	Contents				No. of Hours		
I	Introduction Meaning - Nature and Scope - Advantages and Disadvantages of International Trade - Difference between Internal Trade and International Trade - Economic Growth and International Trade.				15		
II	International Trade Theories Smith's Theory of Absolute Advantage - Ricardo's Comparative Advantage - Heberler's Theory of Opportunity Cost - Mill's Theory of Reciprocal Demand - Heckscher-Ohlin Theory.				14		
III	Foreign Exchange Market Function of Foreign Exchange Market - Determination of Foreign Exchange Rate. Theories of Exchange Rates: Mint Parity Theory, Purchasing Power Parity Theory.				16		
IV	Balance of Payments Balance of Payments Account - Equilibrium and Disequilibrium in BOP - Surplus and Deficit in BOP - Adjustment Mechanism: Direct and Indirect Mechanisms - Export Promotion and Import Substitution.				15		
V	Terms of Trade and Trade Policy Terms of Trade: Concept and Determinants - Terms of Trade and Economic Development - Tariff and Non-Tariff Barriers - Effects - Quotas - Import Quotas Vs Tariffs - Free Trade and Economic Development - Free Trade Vs Protection - Recent Trade Policy.				15		
	Total				75		

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Develop ideas of the basic characteristics of Globalisation of the World Economy and its current international economic problems and challenges.	PO1
2	Grasp the basic theories of International Trade and Economic Growth.	PO1
3	Understand the functions, structure and theories of Foreign Exchange Market.	PO1,PO2,PO3
4	Describe the BOP disequilibrium, Adjustment Mechanism, Export Promotion and Import Substitution.	PO2,PO3
5	Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development	PO1,PO2
Textbooks		
1	Mithani D.M (2002), Introduction to International Economics, Vora & Co Publishers, Bombay.	
2	Dwivedi, D. N. (2013). International Economics: Theory and Policy. Vikas Publishing House, New Delhi.	
3	Cherunilam, Francis (2006). International Economics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi	
4	M.L Jhingan, "International Economics", Vrinda publications, 2016	
5	K.R. Gupta, International Economics, Atlantic Publishers, 2017	
Reference Books		
1.	Paul Krugman, Maurice Obstfeld, and Marc Melitz, (2012), International Economics: Theory and Policy, Addison-Wesley (Pearson Education Indian Edition), 9th edition.	
2.	Kindleberger, C.P (1977). International Economics, D.B. Taraporevala Sons and Co. Pvt. Ltd., Bombay	
3.	Leamer, E. E., & Stern, R. M. (2017). Quantitative International Economics. Routledge.	
4.	Salvatore, D. (2016). International Economics. John Wiley & Sons.	
5.	Jones, R. W., Grossman, G. M., Kenen, P. B., Rogoff, K., Gopinath, G., & Helpman, E. (Eds.). (1997). Handbook of International Economics (Vol. 3). Elsevier.	
Web Resources		
1.	https://www.imf.org	
2.	https://www.forextime.com/education/forex-trading-for-beginners	
3.	https://www.weforum.org/	
4.	https://www.wto.org/	
5.	https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	2
CO3	3	3	2	3	2
CO4	3	3	3	2	2
CO5	3	3	2	3	3
Weightage	15	15	12	14	12
Weighted percentage of Course Contribution to PSOs	3	3	2.4	2.8	2.4

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR – SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC14	DEVELOPMENT ECONOMICS	Core - XIV	4	6	25	75	100
Learning Objectives							
C1	To focuses on themes that cut across core values in development economics						
C2	To describes the various approaches and theories of development.						
C3	To analyze the significance of Development Models in Economic Planning						
C4	To enable the students to know about Development and Growth Models.						
C5	To probe the role of Financial System in Economic Development						
UNIT	Contents					No. of Hours	
I	Introduction Meaning and Nature of Development Economics - Economic Growth Vs. Development - Basic Characteristics of Developing Countries - Obstacles to Economic Development - Factors of Economic Growth.					12	
II	Theories of Economic Growth and Development Adam Smith's Theory - Ricardian Theory - Rostow's Stages of Growth - Big Push Theory - Balanced and Unbalanced Growth Model - Harrod-Domar Model.					15	
III	Capital Formation Meaning - Role of Capital Formation in Economic Development - Sources of Capital Formation - Reasons for Low Rate of Capital Formation. Human Capital Formation - Meaning - Problems and Importance.					18	
IV	Financing Economic Development Role of Financial System in Economic Development - Formal Versus Informal Finance - Micro Finance - Foreign Finance - Foreign Aid - Development Assistance Debate.					15	
V	Regional Disparities and Balanced Regional Development Need for Balanced Regional Development - Regional Disparities in India - Reasons for Regional Development Disparities - Steps taken to Reduce Regional Disparities.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Outline the central themes and approaches to Development.	PO1,PO2
2	Compare and contrast the theories of Growth and Development	PO1,PO2,PO3
3	Critically analyse various Models of Growth.	PO2,PO3,PO7
4	Examine the welfare impact of Development Planning and proposed development interventions by different institutions	PO1, PO2,PO3,PO7
5	Evaluate the source and significance of Finance in Economic Development	PO3,PO4
Textbooks		
1	Ahuja H.L. (2016), Development Economics, S. Chand and Company Ltd.	
2	Jhingan M.L. (2016), Economics of Development Planning, Himalaya Publication House, 41 st Edition.	
3	Dutt, A. (2003). Development Economics and Structuralist Macroeconomics. Edward Elgar Publishing.	
4	Debraj Ray, “Development Economics”, Oxford Indian Paperbacks, 1998	
5	Alain de Janvry, Elisabeth Sadoulet, “Development Economics: Theory and Practice”, Talyor & Francis, 2021	
Reference Books		
1.	Todaro Michael and C Smith Stephen (2017) Economic Development, Pearson, 12 th Edition	
2.	Taneja & R. M. Myre M.L. (2017), Economics of Development and Planning, Vikas Publishing Co., 15 th Edition	
3.	Kulwant Rai Gupta (2006& 2009), Economics of Development & Planning (Vol. 1& Vol.2), Atlantic Publishers and Dist.	
4.	Huq, M. M., Clunies-Ross, A., & Forsyth, D. (2009). Development Economics. McGraw Hill.	
5.	Meier, G. M., & Stiglitz, J. E. (Eds.). (2001). Frontiers of Development Economics: the future in perspective. World Bank Publications.	
Web Resources		
1.	https://web.mit.edu/krugman/www/dishpan.html	
2.	http://www.niti.gov.in/	
3.	https://ida.worldbank.org/en/what-is-ida	
4.	https://www.trade.gov/	
5.	https://www.saarc-sec.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	3.0	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	2	3	2	3	2
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	3	3
Weightage	14	15	13	15	13
Weighted percentage of Course Contribution to PSOs	2.8	3	2.6	3	2.6

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR - SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UEC15	AGRICULTURAL ECONOMICS	Core - XV	4	6	25	75	100
Learning Objectives							
C1	To probe into the various issues in agricultural Labour						
C2	To understand the marketing, Finance and Price Policy of Agriculture						
C3	To study the impact of Agriculture on Indian Economic Scenario.						
C4	To assess the Sustainable Agriculture Development in india						
C5	To familiarize students about the significance of Sustainable Agriculture.						
UNIT	Contents					No. of Hours	
I	Introduction Nature and Scope of Agricultural Economics - Role of Agriculture in Indian Economy - Inter-sectoral Linkages - Productivity in Agriculture - Causes for Low Productivity - Measures to Improve Productivity.					12	
II	Agricultural Labour Definition of Agricultural Labour - Types - Supply of Labour - Problems - Rural Unemployment: Types, Consequences and Remedial Measures - Minimum Wages for Agricultural Workers - Self-Employment Programmes.					15	
III	Agricultural Finance Sources of Agricultural Finance - Rural Indebtedness - Causes - Remedial Measures - Role of Rural Credit Institutions - Crop Insurance - National Agricultural Insurance Scheme. Farm Capital: Meaning, Types and Marginal Efficiency of Farm - Agricultural Capital Formation.					15	
IV	Agricultural Marketing and Price Policy Agricultural Marketing: Role and Functions - Problems in Agricultural Marketing. Agricultural Price Policy: Objectives and Need - Evaluation of Agricultural Price Policy in India - Agricultural Exports - Current Issues in Indian Agriculture.					15	
V	Sustainable Agriculture and Food Security Development Issues: Poverty, Inequality, Unemployment and Environmental Degradation - Green Revolution: Recent Developments - Methods and Issues - Population and Food Supply - Food Security and Public Distribution System in India.					18	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the relevance of Agricultural Economics and Development	PO1,PO2
2	Examine the importance of Agricultural Labour in Rural Development	PO1,PO2
3	Identify the sources and importance of Agricultural Finance.	PO3, PO7
4	Analyze the trends in Agricultural Prices	PO1, PO2,PO3
5	Evaluate the Major issues pertaining to Agriculture.	PO3,PO4
Textbooks		
1	Lekhi R.K. and Joginder Singh, (2015), Agricultural Economics: An Indian Perspective, Kalyani Publishers, Ludhiana.	
2	Sadhu An, Singh Amarjit and Singh Jasbir, (2014), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi	
3	Mridula Mishra, (2010), Agriculture and Food Economics, Serials Publication, New Delhi.	
4	John B. Penson, Jr, Oral Capps, Jr, C. ParrRosson III, Richard. T. Woodward, “Introduction to Agricultural Economics”, Pearson Publications, 2017.	
5	Dr.B.P. Tyagi, “Agricultural Economics & Rural Development”, Jai Prakashnath& Co., 2017.	
Reference Books		
1.	Janardhana Rao. N, (2005), Indian Agriculture: Issues and Perspectives, ICFAI University Press, Hyderabad.	
2.	Gray, L. C. (2013). Introduction to Agricultural Economics. Read Books Ltd.	
3.	Barkley, A., & Barkley, P. W. (2016). Principles of Agricultural Economics. Routledge.	
4.	Cramer, G. L., Jensen, C. W., & Southgate Jr, D. D. (2001). Agricultural Economics and Agribusiness (No. Ed. 8). John Wiley and Sons.	
5.	Colman, D., & Young, T. (1989). Principles of Agricultural Economics: Markets and Prices In Less Developed Countries. Cambridge University Press.	
Web Resources		
1.	https://icar.org.in/	
2.	https://www.icrisat.org/	
3.	https://www.nabard.org/	
4.	https://www.fao.org	
5.	https://farmer.gov.in/mspstatements.aspx	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	2	3	2	3	2
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	3	3
Weightage	14	15	13	15	13
Weighted percentage of Course Contribution to PSOs	2.8	3	2.6	3	2.6

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR - SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE3A	MANAGERIAL ECONOMICS	Elective - III	3	5	25	75	100
Learning Objectives							
C1	To develop analytical and problem-solving skills among the students.						
C2	To enable students to Capital Budgeting and its concepts.						
C3	To understand the cost controls measures and its uses						
C4	To know the Demand for Durable and Non-Durable Products						
C5	To familiarize students of Pricing Policies and its Practices.						
UNIT	Contents					No. of Hours	
I	Introduction Nature and Scope of Managerial Economics - Meaning - Characteristics - Importance - Role and Responsibilities of Managerial Economist - Basic Economic Tools in Managerial Economics.					15	
II	Demand and Profit Analysis Demand for Durable and Non-Durable Products, Demand Forecasting Techniques. Profit: Break-Even Analysis - Objectives and Assumptions - Determination of Break Even Point - Limitations.					15	
III	Pricing Policies and Practices Objectives of Pricing - Pricing Methods and Strategies - Price Discounts and Differentials - Pricing by Manufacturers and Retailers - Price Forecasting.					12	
IV	Capital Budgeting Meaning - Need for Capital Budgeting - Different Steps in Capital Budgeting - Appraisal Methods - Payback Method, Accounting Rate of Return, Net Present Value Method, Internal Rate of Return Method, Cost-Benefit Method - Capital Rationing.					18	
V	Business Cycle and Cost of Capital Meaning - Characteristics - Phases of Business Cycle. Cost of Capital: Sources of Funds for Long Term Financing - Cost of Debt Capital - Cost of Preferred Stock - Cost of Equity Capital or Common Stock - Cost of Retained Earnings.					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Micro Economic Principles and applying it in Business Decision.	PO1,PO2
2	Examine the concepts of Demand, Cost and Profit	PO1,PO2
3	Determine and analyse the various Pricing Techniques.	PO2, PO3
4	Appraise the Project Proposals	PO4,PO3
5	Understand the sources of Finance for Business.	PO2, PO3
Textbooks		
1	Varshney R.L., and Maheshwari K.L. (1997), Managerial Economics, Sultan Chand, N Delhi	
2	Mehta P.L (1997), Managerial Economics, Sultan Chand, New Delhi.	
3	William F. Samuelson, Stephen G. Marks, “Managerial Economics”, Wiley,2014	
4	Michael R Baye, Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5th Edition 2006.	
5	Yogesh, Maheshwari, Managerial Economics, PHI Learning PvtLtd,2013	
Reference Books		
1.	Dominic Salvatore, (1993), Managerial Economics, McGraw Hill Inc, New York	
2.	Ahuja. H. L. (2004), Business Economics, S. Chand & Co, New Delhi.	
3.	L. Trivedi (2002), Managerial Economics: Theory and Applications Tata McGraw Hill.	
4.	Dwivedi D.N (2000), Managerial Economics, Vikas Publishing House Pvt Ltd	
5.	Gregory Mankiw (2008) Economics: Principles and Applications, New Delhi, Cengage Learning India.	
Web Resources		
1.	http://economics.about.com/od/pricing	
2.	www.rbi.org	
3.	https://nptel.ac.in/courses/110101005	
4.	https://www.managementstudyguide.com/managerial-economics	
5.	https://hbr.org/1976/11/pricing-policies-for-new-products	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1**Level of Correlation between PSO's and CO's**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	3
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	3	2
Weightage	15	13	13	15	14
Weighted percentage of Course Contribution to PSOs	3	2.6	2.6	3	2.8

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR - SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE3B	BEHAVIOURAL ECONOMICS	Elective - III	3	5	25	75	100
Learning Objectives							
C1	To provide an overview of how Behavioural Principles in economics						
C2	To apply behavioural approaches to economic Problems						
C3	To know the Nature and Components of mental accounting						
C4	To impart knowledge on how people's behaviour influence Decision Making.						
C5	To analyze the Behavioural Economic Models.						
UNIT	Contents						No. of Hours
I	Introduction Meaning of Behavioural Economics - Nature and Scope - History and Evolution - 7 Basic Principles and Components - Decision-making under Neoclassical concept - Economic Rationality - Causes of Irrationality - Rational Decision Model - Bounded Rationality Model.						15
II	Preferences, Choices and Decision Making Values, Preferences and Choices. Choice Under Uncertainty: Standard Model; Neuro-Scientific Basis of Utility. Risk Concepts: Loss Aversion, Decision Weighting, Probabilistic Judgment. Decision Making Under Risk and Uncertainty: Prospect Theory and Reference Points.						14
III	Heuristics & Biases Heuristics: Concept - Types - Importance in Behavioural Economics - Advantages and Disadvantages of Heuristics. Biases in Judgements: Self-Evaluation Bias - Projection Bias - Hindsight Bias - Confirmation Bias.						15
IV	Mental Accounting Nature and Components of Mental Accounting - Framing and Editing - Budgeting and Fungibility - Choice Bracketing and Dynamics - Time Discounting time Preference - Discounted Utility Anomalies.						16
V	Animal Spirits and its impact on Economic Decisions Confidence - Its Feedback Mechanism that Amplifies Disturbances - Fairness - Its Influence in setting Wages and Prices - Corruption and Antisocial Behaviour - Money Illusion - Improper Interpretation of Inflation and Deflation.						15
	Total						75

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the flexibility and limitations of the economic approach to modelling behaviour and demonstrate knowledge of the evolution and methods used in behavioural economics	PO1,PO3
2	Identify ways in which individuals are systematically irrational	PO1,PO2
3	Know how to use existing behavioural models to understand new economic phenomena and analyse how deviations in rationality impact economic decisions.	PO2,PO3
4	Apply Prospect Theory to understand how people make decisions when presented with alternatives that involve risk, probability and uncertainty.	PO3,PO4,PO7
5	Understand and apply in policy the different aspects of the concept of mental accounting	PO3,PO7,PO8
Textbooks		
1	Phillip Corr and Anke Plagnol Behavioral Economics: The Basics 1 st Edition, Kindle Edition, Routledge, 2018	
2	Dan Ariely Predictably Irrational: The Hidden Forces That Shape Our Decisions, Harper Collins, 2009.	
3	David Correll Behavioral Economics: Psychology, Neuroscience, and The Human Side of Economics (Hot Science) Icon Books Ltd, 2021	
4	Sanjit Dhami., The Foundations of Behavioral Economic Analysis, Oxford University Press, 2016	
5	Brandon Lehr, "Behavioral Economics Evidence, Theory, and Welfare", Talyor & Francis, 2021	
Reference Books		
1.	Nick Wilkinson and Matthias Klaes (2012) An Introduction to Behavioural Economics 2 nd Edition, Palgrave Macmillan, London	
2.	David R. Just (2014) Introduction to Behavioural Economics, Wiley Publication, New Jersey	
3.	Colin F. Camerer, George Loewenstein and Matthew Rabin (2003) Advances in Behavioural	
4.	Frank Robert H (2015) Microeconomics and Behaviour, McGraw Hill Education, New York, 2015	
5.	Thaler, Richard H (2016) The Making of Behavioural Economics - Misbehaving, WW Norton & Co, Penguin, London	

Web Resources	
1.	www.behavioraleconomics.com/BEGuide2017.pdf
2.	academic.oup.com/restud/pages/behavioral_economics
3.	https://www.behavioraleconomics.com/
4.	https://www.exploring-economics.org/en/orientation/behavioral-economics/
5.	https://www.povertyactionlab.org/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	14	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	3	3	2	2
CO4	3	3	3	3	3
CO5	3	3	2	3	3
Weightage	15	15	14	12	12
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.4	2.4

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR - SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE4A	FINANCIAL MARKETS AND INSTITUTIONS	Elective - IV	3	5	25	75	100
Learning Objectives							
C1	To provides a comprehensive functions and operations of financial markets						
C2	To understand the various financial institutions and its operations in India						
C3	To probe the role of banks in the financial operations and its regulations						
C4	To analyse the Financial Institutions in India and its influence on Indian Economy.						
C5	To impart knowledge on Exchange Markets and its aspects.						
UNIT	Contents					No. of Hours	
I	Introduction Introduction to Financial System and Economic Development - Indicators of Financial Development, Concepts Related to Financial Markets and Institutions - Concept of Risk -Types of Return and Yield.					15	
II	Financial Institutions – I Commercial Banking - Role of Banks - NPAs - Risk Management in Banking - International Banking - Financial Regulations and Regulatory Institutions in India - RBI, SEBI, IRDA, PFRDA - Corporate Governance and SEBI.					15	
III	Financial Institutions – II Financial Institutions - Provident Fund, Pension Fund, Insurance Companies - Mutual Fund, Credit Rating Agencies, Merchant Bank, Venture Capital Funds. Bond Market: Bond Features, Bond Price Volatility, Government Security Market, Corporate Bond Market, Public Sector Undertaking Bonds.					12	
IV	Derivatives Market Classification of Stock Market and Securities - IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives.					15	
V	Exchange Market Foreign Exchange Market - Foreign Exchange Market Structure - Risk Management in Foreign Exchange Market - Exchange Rate Determination - Foreign Capital - FDI & FII, Central Bank Intervention in Foreign Exchange Market.					18	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will be able to	
1	Understand the role and importance of the Indian Financial Market.	PO1
2	Analyse the importance of Commercial Banks	PO1
3	Understand and analyse the mechanics and regulation of financial instruments and determine how the value of stocks, bonds, and securities are calculated.	PO2,PO3
4	Evaluate the performance of Derivative Market.	PO2,PO3
5	Analyse the Foreign Exchange Market.	PO2,PO3
Textbooks		
1	Saunders, A., Cornett, M. M., & Erhemjamts, O. (2012). Financial Markets and Institutions. McGraw-Hill/Irwin.	
2	Mishkin, F. S., & Eakins, S. G. (2006). Financial Markets and Institutions. Pearson Education India.	
3	Frederic, S. (2000). Financial Markets and Institutions. Pearson Education India.	
4	Maureen Burton, Reynold F. Nesiba, Bruce Brown, "An Introduction to Financial Markets and Institutions", Talyor & Francis, 2015	
5	Dr.F.C Sharma, "Financial Markets, Institutions and Services" SBPD Publications, 2021	
Reference Books		
1.	Megginson, W. L. (2005). The Financial Economics of Privatization. Oxford University Press on Demand.	
2.	Burton, M., Nesiba, R. F., & Brown, B. (2015). An introduction to Financial Markets and Institutions. Routledge.	
3.	Jones, F. M. (2014). Foundations of Financial Markets and Institutions. Pearson Education.	
4.	Bhole, L. M. (2004). Financial Institutions and Markets: Structure, Growth and Innovations, 4 ^e . Tata McGraw-Hill Education.	
5.	Dr. Gurusamy.S (2018) Financial Markets and Institutions, Mc Graw Hill Education India.	
Web Resources		
1.	https://www.rbi.org.in	
2.	https://www.nseindia.com	
3.	https://www.sebi.gov.in	
4.	https://dpiit.gov.in/foreign-direct-investment/foreign-direct-investment-policy	
5.	https://fifp.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	3.0	3.0	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	13	14
Weighted percentage of Course Contribution to PSOs	3	3	3	2.6	2.8

S-Strong-3 M-Medium-2 L-Low-1

THIRD YEAR - SEMESTER VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
23UECE4B	URBAN ECONOMICS	Elective - IV	3	5	25	75	100
Learning Objectives							
C1	To know the role of Urban Economics and its growth structure						
C2	To understand the basic economic principles in Urban Economics.						
C3	To describes the various urban infrastructures and its functions						
C4	To provide understanding about urbanization and its aspects.						
C5	To familiarize the students about migration and its relevance in urban development.						
UNIT	Contents					No. of Hours	
I	Introduction Definition of Urban Economics- Nature and Scope of Urban Economics - Density, Urbanization - Definition of a City and Metropolitan area - Urban structure and Urban growth .					15	
II	Concept, Causes and Problems of Urbanisation Urbanization – Concept– Urban Morphology - Causes and Issues of Urbanization- Sustainable Urbanization.					15	
III	Urban Infrastructure Urban Infrastructure- Transportation – Electricity - Water Supply - Slums, Housing and Urban Renewal -Public Health.					16	
IV	Migration Theories Theories of Rural Urban Migration –Ravenstein’s Law of Migration- Stouffer’s theory of Mobility- Lee’s theory- Reasons for Migration: Push and Pull factors.					14	
V	Policies for Urban Development Policies and Programmes for Urban development - Measures to Control Urban Growth - Integrated Development of Small and Medium Towns- Smart Cities in India					15	
	Total					75	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge on the subject matter of Urban Economics	PO1
2	Gain Knowledge on Urbanization and its Impact	PO1,PO2
3	Understand and analyse the Urban Infrastructure	PO1,PO2
4	Analyze the impact of Migration	PO2,PO4
5	Apply various ideas and policies in Urban Economics.	PO4
Textbooks		
1	Ahluwalia, I.J., Kanbur, R., & Mohanty, P.K. Urbanization in India, Sage Publications, New Delhi. (2014)	
2	Hartwick, John M, (2015) Urban Economics, Routledge.	
3	Arthur O’ Sullivan, Urban Economics, Tata McGraw Hill, 2009.	
4	Douglas.M. Brown, “Introduction to Urban Economics”, 2013	
5	John F. McDonald, Daniel P. McMillen, “Urban Economics and Real Estate:Theory and Policy”, Wiley, 2011	
Reference Books		
1.	Briance A and Ravinder Singh, (edited) (1995), Housing the Urban Poor, Policy and Practice in Developing Countries, (Sage Publications, New Delhi).	
2.	Fred Durr (1971), The Urban Economy (London, Index Educational Publishers).	
3.	Harris Tondon (1973), Introduction to Urban Economic Analysis and Policy New York.	
4.	Lolyd R Dowin and Associates (1969), Planning Urban Growth and Regional Development (London: MT.Press).	
5.	Mark Garrett (1996), Transportation Planning (Sage Publications, New Delhi).	

Web Resources	
1.	https://smartcities.gov.in/
2.	http://www.moud.in/
3.	https://urbaneconomics.org/
4.	https://www.iom.int/
5.	https://refugeesmigrants.un.org/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	14	14	14	15	15	15	15
Weighted percentage of course contribution to POS	3.0	3.0	3.0	2.8	3.0	3.0	3.0	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	3
CO2	3	3	3	2	3
CO3	3	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	14	2	13	15
Weighted percentage of Course Contribution to PSOs	3	2.8	2.4	2.6	3

S-Strong-3 M-Medium-2 L-Low-1