

**ARULMIGU PALANIANDAVAR ARTS
COLLEGE FOR WOMEN, PALANI
(AUTONOMOUS)
RE-ACCREDITED WITH B⁺⁺ BY NAAC
in 3rd CYCLE
PG DEPARTMENT OF ECONOMICS
SYLLABUS
FOR B.A ECONOMICS**



**UNDER
CHOICE BASED CREDIT SYSTEM
2023-2024 ONWARDS
SYLLABI PRESCRIBED BY,
TAMILNADU STATE COUNCIL FOR HIGHER
EDUCATION
CHENNAI – 600 005**

PREAMBLE

Economics provides ample scope for maximizing social choices. The study of economics is based on problem solving method after observing new changes and the challenging factors of day today life. It is imperative to know new dimensions that are added and the changes taking place in economic sphere at the national and global level. This causes the concern of updating and restructuring the syllabus at undergraduate level. Industrial Economics, Behavioral Economics, Basic Econometrics, introduction to sociology, statistical analysis, Introduction to E- Commerce, Urban Economics and Economics for investors are included in the curriculum to enable the students to analyze economic problems.

Skill, Job and Society oriented papers like Event Management, Environmental Economics, Entrepreneurship Development, Computer applications in Economics, General studies for competitive examinations and Value Education are included.

Bloom's Taxonomy in fixing the Learning Objectives:

Since the Academic year 2019 – 2020, the curriculum for B.A., (Economics) has been designed and the learning objectives and outcomes of the programmes are set, following the Bloom's Taxonomy Cognitive Domain. Accordingly, it is broken into six levels of learning objectives of each course. They are -

K1 / Knowledge = Remember

K2 / Comprehension = Understand

K3 / Application = Apply

K4 / Analysis = Analyze

K5 / Evaluation = Evaluate

K6 / Synthesis = Create

Bloom's Taxonomy Action Verbs:

K1 / Knowledge: Arrange, Define, Describe, Duplicate, Identify, Label, List, Match, Memorize, Name, Order, Outline, Recognize, Relate, Recall, Repeat, Reproduce, Select, State

K2 / Comprehension: Classify, Convert, Defend, Describe, Discuss, Distinguish, Estimate, Explain, Express, Extend, Generalize, Give example(s), Identify, Indicate, Infer, Locate, Paraphrase, Predict, Recognize, Rewrite, Review, Select, Summarize, Translate

K3 / Application: Apply, Change, Choose, Compute, Demonstrate, Discover, Dramatize, Employ, Illustrate, Interpret, Manipulate, Modify, Operate, Practice, Predict, Prepare, Produce, Relate, Schedule, Show, Sketch, Solve, Use, Write

K4 / Analysis: Analyze, Appraise, Breakdown, Calculate, Categorize, Compare, Contrast, Criticize, Diagram, Differentiate, Discriminate, Distinguish, Examine, Experiment, Identify, Illustrate, Infer, Model, Outline, Point out, Question, Relate, Select, Separate, Subdivide, Test

K5 / Evaluation: Appraise, Argue, Assess, Attach, Choose, Compare, Conclude, Contrast, Defend, Describe, Discriminate, Estimate, Evaluate, Explain, Judge, Justify, Interpret, Relate, Predict, Rate, Select, Summarize, Support, Value

K6 / Synthesis: Arrange, Assemble, Categorize, Collect, Combine, Comply, Compose, Construct, Create, Design, Develop, Devise, Explain, Formulate, Generate, Plan, Prepare, Rearrange, Reconstruct, Relate, Reorganize, Revise, Rewrite, Set up, Summarize, Synthesize, Tell, Write

Mapping COs with POs:

For B.A., (Economics) programme, the Educational objectives and the Specific objectives are specified. The programme outcomes are designed according to the curriculum, teaching, learning and evaluation process. For each course, the definite outcomes are set, giving challenge to the cognitive domain. The course outcomes are mapped with the programme outcomes. The performance of the stakeholders is assessed and the attainment rate is fixed, by using the measurements 'high', 'medium' and 'low'. The restructuring of the curriculum is done based on the rate of attainment.

Institutional Objectives:

- Women Education
- Women Empowerment
- Self-Reliance
- Model Citizen

PROGRAMME EDUCATIONAL OBJECTIVES

- PEO1:** To enable the students understand basic concepts, laws and theories in Economics.
- PEO2:** To make them aware of current trends in economics, insurance and population studies.
- PEO3:** To equip the students with managerial and entrepreneurial skills.
- PEO4:** To inculcate the ethical & environmental values
- PEO5:** To promote analytical skills, Logical thinking in the application of economic concepts.
- PEO6:** To guide the students to pursue higher studies and Research Programme.
- PEO7:** To enrich numerical aptitude and employability skills.

PROGRAMME SPECIFIC OBJECTIVES

- PSO1:** To inculcate the knowledge in three E's (Economics, Environment and Ethics)
- PSO2:** To equip the students to face the challenges in life
- PSO3:** To make them self reliant
- PSO4:** To imbibe research culture

PROGRAMME OUTCOMES

- 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.
- 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.
- 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.
- PO4: Communication and Research Skills:** Communication and Research related skills. Developing a sense of capability for relevant/appropriate inquiry and asking questions, synthesizing and articulating and reporting results and to efficiently communicate thoughts and ideas in a clear and concise manner.

- PO5: Gender, Environment and Sustainability:** Comprehend the Environmental issues and Sustainable Development and strive to achieving economic and social equity for women and be Gender Sensitive.
- 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.
- 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.
- 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.

PROGRAMME SPECIFIC OUTCOMES

- PSO1:** To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making.
- PSO2:** To sensitize students to various economic issues related to Development, Growth, International Economics, Sustainable Development and Environment.
- PSO3:** To familiarize students to the concepts and theories related to Finance, Investments and Modern Marketing.
- PSO4:** Evaluate various social and economic problems in the society and develop answer to the problems as global citizens.
- PSO5:** Enhance skills of analytical and critical thinking to analyze effectiveness of economic policies.

MAPPING PEO WITH COLLEGE OBJECTIVES

PEO/CV	CV1	CV2	CV3	CV4
PEO1	H	M	L	L
PEO2	H	M	M	M
PEO3	M	H	H	H
PEO4	M	M	L	H
PEO5	L	H	H	H
PEO6	H	H	H	M
PEO7	M	H	H	H

H –High**M-Medium****L-Low****CV-College Objectives****MEDIUM OF INSTRUCTION : English**

Credit Distribution for B.A Programmes

Sem I	C	H	Sem II	C	H	Sem III	C	H	Sem IV	C	H	Sem V	C	H	Sem VI	C	H
1.1. Part I Tamil	3	6	2.1. Part..II Tamil	3	6	3.1. Part..I Tamil	3	6	4.1. Part..I Tamil	3	6	5.1 Core\CC IX Monetary Economics	4	5	6.1 Core CC XIII International Economics	4	6
1.2. Part.II English	3	6	2.2. Part. II English	3	6	3.2. Part. II English	3	6	4.2. Part. II English	3	6	5.2 Core CC X Fiscal Economics	4	5	6.2 Core CC XIV Development Economics	4	6
1.3 Core CC I Micro-Economics - I	5	5	2.3 Core CC III Micro-Economics-II	5	5	3.3 Core CC V Macro-Economics-I	5	5	4.3 Core CC VII Macro-Economics-II	5	5	5.3. Core CC XI Industrial Economics	4	5	6.3 Core CC XV Agricultural Economics	4	6
1.4 Core CC II Statistics for Economics-I	5	5	2.4 Core CC IV Statistics for Economics-II	5	5	3.4 Core CC VI Mathematics for Economics	5	5	4.4 Core CC VIII Indian Economy	5	5	5.4. Core CC XII 1. Project (Individual) 2.Environmental Economics	4	5	6.4 Elective VII 1. Behavioral Economics 2. Basic Econometrics	3	5
1.5 Elective I (Generic/ Discipline Specific) 1.Fundamentals of Management 2. Introduction to Sociology	3	4	2.5 Elective II (Generic/ Discipline Specific) 1. History of Economic Thought 2.Introduction to E-Commerce	3	4	3.5 Elective III (Generic/ Discipline Specific) 1. Principles of marketing 2.Economics of Tourism	3	4	4.5 Elective IV (Generic/ Discipline Specific) 1.Research Methods in Economics 2. Health Economics	3	3	5.5 Elective V (Generic/ Discipline Specific) 1. Managerial Economics 2. Tamil Nadu Economy	3	4	6.5 Elective VIII (Generic/ Discipline Specific) 1. Urban Economics 2. Financial Markets and Institutions	3	5
1.6 Skill Enhancement Course SEC-I (Non-major Elective) Demography	2	2	2.6 Skill Enhancement Course SEC-II (Non-major Elective) Economics for Investors	2	2	3.6 Skill Enhancement Course SEC - IV(Entrepreneurial Skill) Entrepreneurial Economics	1	1	4.6 Skill Enhancement Course SEC - VI Basic Accountancy	2	2	5.6 Elective VI (Generic/ Discipline Specific) 1. Gender Economics 2. Operations Research	3	4	6.6 Extension Activity	1	-
1.7 Skill Enhancement - (Foundation Course) Business Communication	2	2	2.7 Skill Enhancement Course SEC- III Computer Application in Economics	2	2	3.7 Skill Enhancement Course SEC - V Event Management	2	2	4.7 Skill Enhancement Course SEC - VII Modern Banking and Insurance	2	2	5.7 Value Education	2	2	6.7(Professional Competency Skill) General Studies for Competitive Examinations	2	2
						3.8 E.V.S.	-	1	4.8 E.V.S	2	1	5.8 Summer Internship /Industrial Training	2				
	2 3	3 0		2 3	3 0		2 2	3 0		2 5	3 0		2 6	3 0		2 1	3 0

Total – 140 Credits

COMMON STRUCTURE

SEMESTER – I						
Part	Course Type	Courses	Credits	Hrs	Marks	
					CIA	Ext
Part I	Language –Tamil	Tamil	3	6	25	75
Part II	English	English	3	6	25	75
Part III	Core Course- I	Micro Economics-I	5	5	25	75
	Core Course – II	Statistics for Economics-I	5	5	25	75
	Elective I	1.Fundamentals of Management 2. Introduction to Sociology	3	4	25	75
Part IV	Skill Enhancement Course SEC-I (NME - I)	Demography	2	2	25	75
	Skill Enhancement Foundation Course	Business Communication	2	2	25	75
Total Hours and Credits			23	30		

SEMESTER – II						
Part	Course Type	Courses	Credits	Hrs	CIA	Ext
Part I	Language – Tamil	Tamil	3	6	25	75
Part II	English	English	3	6	25	75
Part III	Core Course III	Micro Economics-II	5	5	25	75
	Core Course IV	Statistics for Economics-II	5	5	25	75
	Elective II	1. History of Economic Thought 2.Introduction to E-Commerce	3	4	25	75
Part IV	Skill Enhancement Course SEC II (NME - II)	Economics for Investors	2	2	25	75
	Skill Enhancement Course SEC III	Computer Application in Economics	2	2	25	75
Total Hours and Credits			23	30		

SEMESTER – III						
Part	Course Type	Courses	Credits	Hrs	CIA	Ext
Part I	Language – Tamil	Tamil	3	6	25	75
Part II	English	English	3	6	25	75
Part III	Core Course V	Macro Economics-I	5	5	25	75
	Core Course VI	Mathematics for Economics	5	5	25	75
	Elective III	1. Principles of Marketing 2.Economics of Tourism	3	4	25	75
Part IV	Skill Enhancement Course SEC IV	Entrepreneurial Economics	1	1	25	75
	Skill Enhancement Course SEC V	Event Management	2	2	25	75
	Environmental Science - I	Environmental Science	-	1	-	-
Total Hours and Credits			22	30		

SEMESTER – IV						
Part	Course Type	Courses	Credits	Hrs	CIA	Ext
Part I	Language – Tamil	Tamil	3	6	25	75
Part II	English	English	3	6	25	75
Part III	Core Course VII	Macro Economics II	5	5	25	75
	Core Course VIII	Indian Economy	5	5	25	75
	Elective IV	1.Research Methods in Economics 2. Health Economics	3	3	25	75
Part IV	Skill Enhancement Course SEC VI	Basic Accountancy	2	2	25	75
	Skill Enhancement Course SEC VII	Modern Banking and Insurance	2	2	25	75
	Environmental Science - I	Environmental Science	2	1	-	-
Total Hours and Credits			25	30		

SEMESTER – V						
Part	Course Type	Courses	Credits	Hrs	CIA	Ext.
Part III	Core Course IX	Monetary Economics	4	5	25	75
	Core Course X	Fiscal Economics	4	5	25	75
	Core Course XI	Industrial Economics	4	5	25	75
	Core Course XII	Project with Viva Voce 1. Project (Individual) 2. Environmental Economics	4	5	25	75
	Elective V	1. Managerial Economics 2. Tamil Nadu Economy	3	4	25	75
	Elective VI	1. Gender Economics 2. Operations Research	3	4	25	75
Part IV	Value Education	Value Education	2	2	-	-
	Internship /Ind. Training		2	-	-	-
Total Hours and Credits			26	30		

SEMESTER – VI						
Part	Course Type	Courses	Credits	Hrs	CIA	Ext.
Part III	Core Course XIII	International Economics	4	6	25	75
	Core Course XIV	Development Economics	4	6	25	75
	Core Course XV	Agricultural Economics	4	6	25	75
	Elective VII	1.Behavioural Economics 2.Basic Econometrics	3	5	25	75
	Elective VIII	1. Urban Economics 2. Financial Markets and Institutions	3	5	25	75
Part IV	Professional Competency Skill	General Studies for Competitive Examinations	2	2	25	75
	Extension Activity	Extension Activity	1	-	-	-
Total Hours and Credits			21	30		
Grand Total			140	180		

B.A., ECONOMICS / EXTRA-CREDIT COURSES (OFFERED BY THE INSTITUTION)

Sem	Course Type & Course Code	Courses	Credits	Hrs	Exam Duration	Ext. Marks
I	Extra-credit Course - I	Consumerism (Oral Practical)	2	-	3	100
III	Extra-credit Course - II	Business letters	2	-	3	100
V	Extra-credit Course - III	Home Economics	2	-	3	100

B.A., ECONOMICS / VALUE ADDED COURSES (OFFERED BY THE INSTITUTION)

Sem	Course Type & Course Code	Courses	Credits	Hrs	Exam Duration	Ext. Marks
II	Value Added Course - I	Office Management	-	-	3	100
IV	Value Added Course - II	Practical Banking	-	-	3	100
VI	Value Added Course-III	Fundamental of Goods and Service Tax	-	-	3	100

ELIGIBILITY FOR DEGREE:

- No candidate will be eligible for degree without completing the prescribed course of study and prescribed external examinations.
- The passing minimum is 40% in each paper.
- To complete the course students should earn a minimum of 140 credits.

EVALUATION

- For each course there will be continuous Internal Assessment (CIA) and end - semester examinations.

ASSESSMENT PATTERN	
CIA	25 Marks
Components of CIA Average of two Internal Tests -15 Marks Seminar - 5 Marks Assignment - 5 Marks	
End Semester Examination	75 Marks

PASSING REQUIRMENTS

- Scoring 40% both in Internal and External Examinations.

Evaluation on the Basis of Blooms Taxonomy

Cognitive Level	Section	Questions Paper pattern	Marks	Total Marks
K1	A	Objective type Questions	10*1 = 10	10
K2& K3	B	Paragraph Answers	5*5 =25	25
K3& K4	C	Descriptive type Questions	4*10=40	40
Total				75

QUESTION PAPER PATTERN

(For Core, Allied & Elective papers)

Maximum: 75 Marks

Time: 3 Hours

EXTERNAL EXAMINATION

SECTION - A

Answer all questions (Two questions from each Unit) (10X1=10)

This may include Multiple Choice, true or false, fill up, very short answer and simple examples.

SECTION- B

Answer all questions (5X5=25)

Five questions each carries five marks (Internal choice questions.)

SECTION- C

Answer any four questions out of six questions (4×10=40)

(One question from each unit.) (Open choice)

QUESTION PAPER PATTERN

(For Core Paper Economic Statistics - I)

Maximum: 75 Marks

Time: 3 Hours

EXTERNAL EXAMINATION

SECTION - A

Answer all questions (Two questions from each Unit) (10X1=10)

This may include Multiple Choice, true or false, and fill ups.

SECTION- B

Answer all questions (5X5=25)

Five questions each carries five marks (Internal choice questions.)

(Marks is distributed between theory and problems as 60%:40%)

SECTION- C

Answer any four questions out of six questions (4×10=40)

(One question from each unit.) (Open choice)

(Marks is distributed between theory and problems as 60%:40%)

QUESTION PAPER PATTERN

(For Core Paper Economic Statistics - II)

Maximum: 75 Marks

Time: 3 Hours

EXTERNAL EXAMINATION

SECTION - A

Answer all questions (Two questions from each Unit) (10X1=10)

This may include Multiple Choice, true or false, and fill ups.

SECTION- B

Answer all questions (5X5=25)

Five questions each carries five marks (Internal choice questions.)

(Marks is distributed between theory and problems as 20%:80%)

SECTION- C

Answer any four questions out of six questions (4×10=40)

(One question from each unit.) (Open choice)

(Marks is distributed between theory and problems as 20%:80%)

QUESTION PAPER PATTERN

(For SEC & NME papers)

Maximum: 75 Marks

Time: 3 Hours

EXTERNAL EXAMINATION

SECTION- A

Answer any five questions out of eight questions (5X3=15)

(Each unit must have one or two questions.)

SECTION- B

Answer any five questions out of eight questions (5X6=30)

(Each unit must have one or two questions.)

SECTION- C

Answer any three questions out of five questions (3×10=30)

(One question from each unit.)

PROFESSIONAL COMPETENCY SKILL

(General Studies for Competitive Examinations)

Cognitive	Section	Questions paper pattern	Marks	Total
K1,K2	A- 75×1	Multiple choice questions	75	75

QUESTION PAPER PATTERN

(For Extra Credit Course Papers)

Maximum: 100 Marks

Time: 3 Hours

EXTERNAL EXAMINATION

SECTION - A

Answer any five questions out of eight questions (5 X 20=100)

(One or Two questions from each Unit)

QUESTION PAPER PATTERN

(For Core, Allied & Elective papers)

Maximum: 30 Marks

Time: 2 Hours

INTERNAL ASSESSMENT

SECTION - A

Answer all questions

(6X1=6)

This may include Multiple Choice, true or false, fill up, very short answer and simple examples.

SECTION- B

Answer all question

(2X4=8)

(Internal choice questions)

SECTION- C

Answer any two out of three questions

(2×8=16)

(Open choice questions)

QUESTION PAPER PATTERN

(For SEC & NME papers)

Maximum: 15 Marks

Time: 1 Hour

INTERNAL ASSESSMENT

SECTION- A

Answer any two questions out of three questions (2X2=4)

SECTION- B

Answer any one question out of two questions (1X4=4)

SECTION- C

Answer any one question out of two questions (1×7=7)

PROFESSIONAL COMPETENCY SKILL

(General Studies for Competitive Examinations)

Cognitive	Section	Questions paper pattern	Marks	Total
K1,K2	A- 25×1	Multiple choice questions	25	25

QUESTION PAPER PATTERN

(For Value Education paper)

Evaluation Pattern for Internal Assessment

Practical [Performing Yoga & Meditation] – **25 marks**

Theory [End-Semester Examination] – **75 marks**

Evaluation Pattern for External Assessment

Section – A (10X1=10)

Ten objective type questions with multiple answers are to be given.

Section – B (5X7=35)

Five short essay type questions in 'Either – or' pattern are to be given.

Section – C (5X10=30)

Five long essay type questions are to be given. Three questions are to be answered.

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
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.
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 – Revealed Preference Theory.
III	Demand and Supply Analysis Demand – Types of Goods -Law of Demand – Determinants – Exceptions – Giffen Paradox– 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
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.

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.
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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), Principlesof 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	3.00	2.6	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	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

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
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.
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.
III	Measures of Central Tendency Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits.
IV	Measures of Dispersion Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation —Skewness and Kurtosis.
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.

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	3.00	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	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

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

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
I	Introduction Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager
II	Planning Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making.
III	Organisational Levels Types of Business Organizations – Structure- Span of Control – Departmentalisation - Selection, Training and Development, Performance Management, Career Planning ,and Management
IV	Directing Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity.
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.

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	3.00

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	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

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

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
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
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
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.
IV	Social Stratification Social Stratification: Meaning, Definition and Dimensions –Social mobility and its determinants.
V	Social Change Meaning and Types: Evolution and Revolution, Progress and Development — Factors of Social Change-Culture and Civilization

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

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

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	DEMOGRAPHY	SEC-I	2	2	25	75	100

Learning Objectives	
C1	To understand the meaning and scope of demography
C2	To discuss the basic concepts of demographic measurements.
C3	To describes the concepts of urbanisation and migration
C4	To evaluate the international aspects of population growth and tis environment
C5	To analyse the trends in population policy in India

UNIT	Contents
I	Introduction Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.
II	Birth Rate, Death Rate and Fertility Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India – Temporal and Spatial Variation in Sex Ratios – Crude Birth and Death Rate- Age Specific Birth and Death Rates – Standardized Birth and Death Rates –Fertility – Total Fertility Rate.
III	Migration and Urbanisation Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.
IV	Population Trends Population Trends– International Aspects of Population Growth and Distribution – Population and Environment Pattern of Age and Sex Structure in Developed and Developing Countries – Age Pyramids and Projections.
V	Population Policy in India Population Policy in India and its Evaluation – Population and Strategies for Human Development of Different Social Groups – National Population Commission – Demographic Dividend – National Youth Policy.

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the various theories of Population Growth	PO1, PO7
2	Understand Demographic Indicators	PO2, PO3
3	Assess the causes and impact of Migration on rural-urban population distribution	PO2,PO7
4	Analyse the major demographic trends and their determinants	PO1,PO2
5	Evaluate Population Policy of India and analyse recent trends.	PO1,PO2,PO3

Textbooks	
1	Jhingan, M. L, B.K. Bhatt, J.N. Desai (2003) Demography, Vrinda Publications, New Delhi
2	Rajendra K. Sharma (2007), Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd.
3.	Jennifer Hickey Lundquist, Douglas L. Anderson and David Yaukey, "Demography: The Study of Human Population", Waveland Press Inc, 2015
4.	Dudley L. Poston, Jr. and Leon F. Bouvier, "Population and Society: An Introduction to Demography", Cambridge University Press, 2015
5.	Richard.K Thomas, "Concepts, Methods and Practical Applications in Applied Demography", Springer,2018

Reference Books	
1.	Agarwala S.N. (1985), India's Population Problem, Tata McGraw-Hill, Bombay.
2.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.
3.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York
4.	Sarah Harper (2018), Demography: A Very Short Introduction, Oxford Press 2018.
5.	Peter R. Cox, Demography- 5 th Edition, Cambridge University Press.

Web Resources	
1.	https://data.worldbank.org/indicator/SP.POP.TOTL
2.	https://www.iom.int/
3.	https://censusindia.gov.in
4.	https://www.nationalgeographic.org/encyclopedia/demography/
5.	https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/

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	3.00	3.00	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	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	3
CO4	3	2	2	3	3
CO5	3	3	3	3	3
Weightage	15	14	14	13	13
Weighted percentage of Course Contribution to PSOs	3	2.8	2.8	2.6	2.6

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

FIRST YEAR-SEMESTER - I
SKILL ENHANCEMENT FOUNDATION COURSE

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	BUSINESS COMMUNICATION	Skill Enhancement Foundation Course	3	4	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
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
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.
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.
IV	Correspondence Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence
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.

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	3.00	3.00	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	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

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	MICROECONOMICS-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
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.
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.
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.
IV	Distribution Theory Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.
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.

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	3.00	2.8	3.00	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	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

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
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.
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.
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.
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.
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.

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	3.00	2.8	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	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

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
I	Pre-Classical Thought Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important Mercantilists- Physiocracy - Main concepts - Important Physiocrats
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
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.
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.

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.
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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	3.00	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	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

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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 its risks.

UNIT	Contents
I	Introduction Meaning – Nature – Concepts – advantages and disadvantages – online Transaction - Types of E-Commerce - Growth of E-Commerce in India.
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.
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.
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
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.
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Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
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,PO3PO8

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	3.00

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	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

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	ECONOMICS FOR INVESTORS	SEC - II	2	2	25	75	100

Learning Objectives	
C1	To understand concepts of saving and investments
C2	To probe the various investment avenue and its practice applications
C3	To enables various investment markers and its features
C4	To Know the economic fundamentals and the Business Environment
C5	To understand various investment methods and its strategies

UNIT	Contents
I	Introduction Saving and Investments – Meaning – Types - Importance – Role of Savings and Investment on the development of Individuals- Distributional Role of Investment – Income and Wealth – Equitable Distributional Role
II	Investment Avenues Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment - Insurance -Mutual Funds -Traded Funds.
III	Investment Markets Capital Market – Share Market – Primary and Secondary – Bond Markets- Money Market – Metal Market - Commodities Markets – Foreign Exchange Market - Hedging - Futures and Options
IV	Economic fundamentals for Investors Domestic Economic Environment: Economic Growth and Development – National Income – Per Capita Income, Unemployment – Taxes, Trade Cycle – Infrastructure – Physical and Economic. Political and Social Environment- International Economic Environment: International Economic Growth and Development, Trade, Foreign Exchange - Global Recession- Oil Market – War Between Countries
V	Investment Methods and Strategies. Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management.

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the types and importance of savings and investments.	PO1
2	Explain the available for investment avenues	PO2
3	Understand the operations of different types of investment markets.	PO1,PO2
4	Evaluate the economic fundamentals and information.	PO1,PO3
5	Construct objective enabling investment plans, strategy, evaluate and restructure if required.	PO2,PO3,PO4

Textbooks	
1	Ken McElroy, (2004) The ABCs of Real Estate Investing, Hachette Book Group USA
2	Esme Faerber (2013), All about Stocks ,TataMGrav Hill, New Delhi
3	Christopher D. Piros, Jerald E. Pinto(2013), “Economics for Investment Decision Makers:Micro, Macro, and International Economics, Workbook”, Wiley, 2013
4.	John Calverley, “The Investor's Guide to Economic Fundamentals”, Wiley, 2003
5	Howards Marks, Mastering The Market Cycle:Getting the Odds on Your Side”, John Murray Press, 2018

Reference Books	
1.	Robert T. Kyosaki,(2014) Guide To Investing Business Plus ISBN: 9780446589161
2.	BenjaminGraham(1949), The Intelligent Investor, Harper&Brothers
3.	Mary Buffett and David Clark(2002), The New Buffettology (Simon and Schuster)
4.	John C Bogle(2017) The Little Book of Common Sense Investing:The Only Way to Guarantee Your Fair Share of Stock Market Returns, Wiley Publications
5.	William J. O’ Neil (2009) How to Make Money in Stocks: A Winning System in Good Times and Bad, Fourth Edition McGraw Hill Education

Web Resources	
1.	https://www.capitalmarket.com/
2.	https://www.icmagroup.org/
3.	https://www.nseindia.com
4.	https://www.stockbrokers.com/guides/beginner-investors
5.	https://www.nasdaq.com/articles/10-best-stock-trading-websites-for-beginners

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	3.00

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	2	2	3	3	3
CO4	3	3	2	2	2
CO5	2	2	3	3	3
Weightage	13	13	14	13	12
Weighted percentage of Course Contribution to PSOs	2.6	2.6	2.8	2.6	2.4

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	COMPUTER APPLICATIONS IN ECONOMICS	SEC - III	2	2	25	75	100

Learning Objectives	
C1	To know the basic concepts of Computer Applications
C2	To apply the MS office and its basic operations
C3	To describes the data processing techniques using various MS office operations
C4	To gain knowledge on application of MS Excel
C5	To know mathematical and statistical functions for Economic Analysis
UNIT	Contents
I	Introduction to Computers Computer and Peripherals: Meaning, Types, Features and Limitations– Basic Components – Input and Output Devices – Primary Memory and Secondary Storage – Computer Software– Types – Malicious Software – Operating Systems: Functions and Types.
II	MS Office Windows Explorer - MS Word: Basic Operations in Word – Editing– Formatting – Text Creation of Tables and Volumes - MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting.
III	Data Processing Data Processing Techniques using MS Excel: Concept of Data – Record and File – Types of Data – Data Entry – File Handling and Operations– Opening, Appending and Cascading – Closing and Attribute Controls – Data Storage and Retrieval.
IV	Introduction to MS Excel Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs.
V	Application of MS Excel in Statistics and Economics Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance- Index Numbers and Growth Rates - Demand Function - Supply Function, Production Function and Consumption Function - Demand for and Supply of Money- Correlation – Regression.

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand basic components of Computer and its functions.	PO1, PO3,PO8
2	Gain Knowledge of MS Office.	PO3,PO8
3	Outline data processing techniques of MS Excel.	PO2,PO3,PO8
4	Understand basic Operation in MS Excel.	PO1,PO2,PO8
5	Apply MS Excel in Statistics and Economics.	PO2,PO3,PO8

Textbooks	
1	Hem Chand Jain and H.N.Tiwari (2019) Computer Applications In Business ,5 th Edition Taxmann Publication.
2	Dhanasekaran.K(2010) Computer Applications In Economics Vrinda Publications.
3	Asthana and Braj Bhushan (2007):Statistics for Social Sciences (with SPSS Applications).
4.	Dan Kookin, “Word for Dummies”, Wiley, 2021
5.	Joseph Muller, “Statistical Analysis with Excel For Dummies”, Wiley, 2008

Reference Books	
1.	Oscar Afonso , Paulo B. Vasconcelos, Computational Economics: A Concise Introduction, Routledge; 1 st Edition
2.	Alexis Leon and Mathews Leon; (2001), Introduction to Computers with Ms-Office 2000.McGraw Hill Education
3.	Greg Harvey, PhD, (2007) Microsoft Office Excel 2007 For Dummies, Wiley Publishing.
4.	Kerns (1992) Essentials of Microsoft Windows, Word and Excel, Prentice Hall
5.	Kavindra Kumar Singh (2014) Computer Applications in ManagementDreamTech

Web Resources	
1.	https://www.excel-easy.com/basics.html
2.	https://excelchamps.com/excel-basics/
3.	https://edu.gcfglobal.or/en/topics/excel/
4.	https://trumpexcel.com/learn-excel/
5.	https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup

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	2	3	3	3	3	3
Weightage	15	14	14	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	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	2	2	2	3	3
CO2	2	2	2	3	3
CO3	2	2	2	3	3
CO4	2	2	2	3	3
CO5	3	3	3	3	3
Weightage	11	11	11	15	15
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.2	3	3

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

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	MACRO ECONOMICS-I	Core -V	5	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
I	National Income National Income: Definition –Concepts: GDP,GNP and Per Capita Income- National Income Measurement: Expenditure, Income and Value Added Approaches- Real and Nominal GDP – National Income Accounting - GDP Deflator – Green GDP – Happiness Index - Circular Flow of Income and Expenditure
II	Full Employment: Classical Theory Introduction - Aggregate Demand and Aggregate Supply – Assumptions of Classical Theory – Say's Law – Wage and Price Flexibility - Employment and Output determination in Classical Model - Three Ranges in Aggregate Supply (AS)Curve
III	Under Employment: Keynesian Theory Keynes's Critique of Classical Theory – Involuntary Unemployment – Underemployment Equilibrium- Effective Demand – Components - Wage Rigidity – Liquidity Preference - Consumption Function: Meaning and Attributes - Investment – Marginal Efficiency of Capital-Multiplier.
IV	Theories of Consumption Keynesian Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis – Friedman's Permanent Income Hypothesis – Modigliani's Life Cycle Hypothesis.
V	Inflation Inflation: Definition and Types -Demand Pull -Cost Push and Mark-up Inflation– Consumer Price Index – Wholesale Price Index – Producer Price Index – Headline and Core Inflation- Phillips Curve.

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.	RudigerDornbusch , 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
	MATHEMATICS FOR ECONOMICS	Core - VI	5	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
I	Introduction Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics
II	Matrix Algebra and Determinants Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems).
III	Applications of Matrix Algebra Solving a system of Linear Equations – Cramer’s Rule and Matrix Inverse Method- Leontief’s Input-Output Model – Open and Closed Model- Components, Uses, and Limitations- Hawkins – Simon Conditions for Viability of Input and Output Model (Problems).
IV	Differentiation Limits and Continuity –Differentiability of a Function – Slope of a Curve – Increasing and Decreasing Functions – Rules- Exponential and Logarithmic Functions -Implicit Differentiation– Economic Applications: Marginal and Elasticity Concepts – Relationship between AR, MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost.
V	Optimization (Single Variable) Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization - Cost Minimization – Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems).

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/
5.	

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
	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
I	Introduction Marketing: Definition, Nature and Scope – Marketing Functions– Modern Concept of Marketing– Classification of Markets – Buying – Transportation – Warehousing – Standardization – Grading.
II	Buying Behaviour and Market Segmentation Buying 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.
III	Product and Pricing Decisions Product: Meaning and Classification - Product Mix –Branding- Brand Decisions – Packaging and Labelling – Product Support - Product Life Cycle - New Product Development -Pricing Objectives - Pricing Policies and Strategies – Pricing of New Products
IV	Distribution and Promotion Decisions Channels of Distribution: Meaning and Importance - Wholesaling and Retailing – Promotional Methods – Promotion Mix – Advertising: Objectives, Characteristics and Types of Advertising Mediums - Publicity – Personal Selling: Importance and Process - Sales Promotion and Distinctive Characteristics.
V	Modern Marketing Techniques Modern Marketing– Direct Marketing– Social Marketing- Relationship Marketing– E- Marketing - Green Marketing – Marketing of Industrial and Consumer Products –Marketing of Services – Marketing of Agricultural Products –Market Information System (MIS).

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 &CoLtd.,
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
	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
I	Introduction Introduction – Economics, and Tourism - Tourism Demand - Theoretical background - Types of Tourism Demand - Determinants of Tourism Demand
II	Tourism Demand Tourism Demand Forecasting - Methods of Forecasting – Public and Private Sectors in Tourism - the Need for Public and Private Sector Co-operation in Tourism – Growth of Tourism Demand in India.
III	Tourism Impacts Impact of Tourism - Economic Aspects - the Multiplier Effect - Displacement Effect and Tourism - Tourist Spending - Costs and Benefits of Tourism to Community - Environmental Aspects – Contingency Valuation Method
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.
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.

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/

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
	ENTREPRENEURIAL ECONOMICS	SEC - IV	1	1	25	75	100

Learning Objectives	
C1	To describes the factors influencing entrepreneurship
C2	To know the various theories of motivation and its advantages
C3	To Identify the opportunities to create value for others
C4	To evaluate the creativity and entrepreneurship.
C5	To analyse the sources of finance for business.

UNIT	Contents
I	Introduction Entrepreneurship: Meaning and Importance - Evolution of term 'Entrepreneurship' - Factors influencing Entrepreneurship: Psychological, Social, Economic and Environmental - Characteristics of an Entrepreneur - Types of Entrepreneurs- New Generations of entrepreneurship - Barriers to entrepreneurship
II	Entrepreneurial Motivation Motivation: meaning and Definition – Theories of Motivation: Maslow's, Herzberg's, McGregor's and Achievement Theory - Culture & Society - Values / Ethics – Risk-taking behaviour
III	Creativity and entrepreneurship Creativity and entrepreneurship - Steps in Creativity - Innovation and inventions - Legal Protection of innovation - Skills of an Entrepreneur - Decision making and Problem Solving (Steps in Decision Making)
IV	Sources of Finance Sources of Finance: Long term Sources -Equity Shares, Preference Shares and debentures- Kinds Private Placements- IPO-SEBI- FDI- Institutional Finance - Banks - IDBI, IFCI, IIBI, ICICI, SIDBI, SFCs in India - Merchant Banks in India - NBFCs in India
V	Rules and Legislation Industries Development (Regulations) Act, 1951 - Factories Act 1948 - The Industrial Employment (Standing Orders) Act - Environment (Protection) Act, 1986 - The Sale of Goods Ac, 1950 - Industrial Disputes Act 1947

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Explain the importance and factors influencing entrepreneurship	PO1,PO2
2	Understand and apply entrepreneurial theory using lean start-up principles.	PO1,PO2
3	Recognize and evaluate Creativity and entrepreneurship	PO1, PO4
4	Understand the Various sources of Finance available for entrepreneur	PO1
5	Know the Applicability of Legislation and Rules	PO6

Textbooks	
1	Desai, V. (2009). Dynamics of Entrepreneurial Development and Management. Himalaya Publishing House.
2	Srinivasan, N. P., & Gupta, G. P. (2001). Entrepreneurial Development". <i>Sultan</i> Chand and Sons, New Delhi
3	Simon. C Parker, "The Economics of Entrepreneurship", Cambridge University Press, 2009
4	K. Glancey, R. McQuaid and Jo Campling, "Entrepreneurial economics", Palgrave Macmillan UK, 2000
5	Akland Alexander Tabarrok, "Entrepreneurial Economics", Oxford University Press, 2002

Reference Books	
1.	Glancey, K., McQuaid, R., & Campling, J. (2000), Entrepreneurial Economics. London: Macmillan.
2.	Casson, M., & Buckley, P. J. (2010). Entrepreneurship, Edward Elgar Publishing.
3.	Parker, S. C. (2018). The Economics of Entrepreneurship. Cambridge University Press.
4.	Harper, D. A. (2003). Foundations of Entrepreneurship and Economic Development. Routledge
5.	Khanka, S. S. (2006). Entrepreneurial Development. S. Chand Publishing.

Web Resources	
1.	https://www.startupindia.gov.in/
2.	https://www.ediindia.org/
3.	https://skillindia.gov.in/
4.	https://www.startupindia.gov.in/
5.	https://indianstartups.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	2	3	3	3	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	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	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	2	2	3	2	2
CO2	2	2	3	3	2
CO3	3	3	3	3	2
CO4	2	2	2	2	2
CO5	2	2	3	2	3
Weightage	11	11	14	12	11
Weighted percentage of Course Contribution to PSOs	2.2	2.2	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
	EVENT MANAGEMENT	SEC- V	2	2	25	75	100

Learning Objectives	
C1	To equip students on the various facets of Event Management.
C2	To provide students event management as a career option.
C3	To understand the committees in managing events and its safety
C4	To learn about celebrity management
C5	To know the event management in India and its operations

UNIT	Contents
I	Introduction Event Management – Definition –objectives –Classification and Types of Events- Career Options
II	Event Management Strategy Process -Target Audience –Creativity - Purpose – Costs -Event Budget- Network with Suppliers- Creation of Social Media Accounts
III	Committees in Managing Events Organising Committee- Event Scheduling -Venue Selection-Recruitment of Event Staff-Event Safety-Emergency Planning and Checklist
IV	Celebrity Management Issues and Challenges -Cost Management and Budget – Confidentiality- Crowd Management
V	Event Management Industry in India- Leading Event Management Companies

Course Outcomes		Programme Outcomes
CO	On Completion of the course ,students will	
1	Understand the growing importance of event industry	PO1, PO2
2	Analyse the process involved in the event management industry and career Options	PO2, PO3
3	Gain Knowledge on the various Committees involved	PO1,PO2,PO3
4	Review how to manage celebrities	PO2, PO6
5	Examine the Growth process of event Management industry in India	PO1, PO2, PO6

Textbooks	
1	Lynn Van Der Wagen & Brenda R Carlos Event Management
2	Bhavana Chaudhari Dr. Hoshi Bhiwandiwalla(2019) A book of Event Management Kindle Edition,Nirali Prakashan Publishers
3	Alex Genadinik Event planning -management & marketing for successful events, Alex Genadinik publisher 2015
4	Charles Bladen, James Kennell, Emma Abson and Nick Wilde, “Events Management: An Introduction”,Talyor and Francis, 2017
5	Bernadette Quinn, “ Key Concepts in Event Management”, Sage Publication, 2013

Reference Books	
1.	Abhijeeth Bhattacharje(2020) Event Management :A zero Investment Startup Business Kindle Edition
2.	William O'Toole(2021)Events Feasibility and Development From Strategy to Operations Routledge
3.	Julia Rutherford Silvers, William O'Toole(2020)Risk Management for Events, Routledge
4.	Anukrati Sharma, Shruti Arora(2018)Event Management and Marketing: Theory, Practical Approaches and Planning ,.Bharti Publications
5.	Allen, J. et al., 2011. Festival & Special event management. 5th edition. John Wiley & Sons: Brisbane

Web Resources	
1.	https://www.careerlauncher.com/rbi-grade-b/wto/
2.	https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf
3.	https://www.bizzabo.com/blog/event-planning-websites/
4.	https://www.tantraa.net/
5.	https://eventplanningblueprint.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	3	3	3	3	3	3
CO 3	3	2	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	13	15	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	2.6	3.0	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	2
CO2	2	2	2	2	2
CO3	2	2	2	2	2
CO4	1	1	1	1	2
CO5	2	2	2	2	2
Weightage	9	9	9	9	10
Weighted percentage of Course Contribution to PSOs	1.8	1.8	1.8	1.8	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
	MACRO ECONOMICS –II	Core -VII	5	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
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 and Shifts in LM Curve.
II	Business Cycles Phases of Business Cycles – Macroeconomic Variables and Business Cycles – Classical Theory and Business Cycles – Hawtrey, Von Hayek, Schumpeter Hicks, Kaldor and Samuelson Models – Keynesian theory of Business Cycles
III	Monetary Policy Money - Functions of Money - Money Supply and Money Demand – Classical Dichotomy – Keynesian theory of Money Demand – Instruments of Monetary Policy-IS-LM Model and Monetary Policy
IV	Fiscal Policy Fiscal Policy -Instruments- Classical and Keynesian Theory of Fiscal Policy– Fiscal Expansion – IS-LM Model and Fiscal Policy – Critique of Fiscal Policy – Three Ranges in LM Curve.
V	Supply Side Economics Rational Expectation Hypothesis – New Classical School – Contribution of Robert Lucas – New Keynesian School.

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-

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
	INDIAN ECONOMY	Core-VIII	5	5	25	75	100

Learning Objectives	
C1	To understand the features and issues of Indian economy and new economic policy
C2	To analyse the national income, 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
I	Introduction to Indian Economy Features and Issues of Indian Economy - Planned Economic Development in India - Achievements and Failures of Planning in India – Economic Crisis and Rationale behind Economic Reforms – New Economic Policy (LPG) 1991 – NITI Aayog
II	National Income, Poverty and Human Development Index National Income – Sectoral Contributions and Economic Transition in India – 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 – International Comparisons.
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 - Overview of Service and Financial Sectors in India – Importance – Expansion of Private Banks.
IV	Foreign Trade Importance of Foreign Trade for a Developing Economy-Composition and Direction of India's Foreign Trade- Role of FDI and Foreign Institutional Investors- BOP Crisis - India's Trade Policy.

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.
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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
	RESEARCH METHODS IN ECONOMICS	Generic Elective-IV	3	3	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
I	Introduction Research: meaning and significance Characteristics of Scientific Research - Type of Research: Pure, Applied, Analytical, Exploratory, Descriptive, Surveys, Case-Study - Limitations of Social Science Research - Role of Computer Technology In Research.
II	Research Problem and Review of Literature Research Problem: formulation and selection - necessity of defining the problem – Review of literature: Primary and Secondary Sources - importance of literature review in defining a problem - identifying gap areas from literature and research database.
III	Research Design Research Design: Concept and Importance in Research – Features of a Good Research Design – Exploratory Research Design – Descriptive Research Design – Experimental Design: Concept of Independent & Dependent variables.
IV	Data and Sampling Methods Data types: Qualitative and Quantitative - Sources of Primary and secondary data - Census - Sampling Methods: Probability and Non-Probability Sampling Methods - Sampling and Non-Sampling Errors
V	Hypothesis and Report Writing Hypothesis: Types of Hypothesis - Null and Alternative Hypothesis - Parameter and Statistic - Type I and Type II Errors - Level of Significance and Critical Region - Report Writing - Types and Principles of writing the Research Report

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.Pannerselvam, “Research Methodology”, PHI learning,2014
5	Ranjit Kumar, “Research Methodology”, Sage Publication, 2010

Reference Books	
1.	Taylor, B., Sinha, G., &Ghoshal, T. (2006). Research methodology: A guide to for researchers in management and social sciences. PHI Learning Pvt. Ltd..
2.	Bhandarkar, P. L., Wilkinson, T. S., &Laldas, D. K. (2010). Methodology & Techniques of Social Research. Himalaya Publishing House
3.	Kumar, A. (2002). Research methodology in social science. Sarup& Sons
4.	Daniel, P. S., & Sam, A. G. (2011). Research methodology. Gyan Publishing House
5.	Ethridge, D. (2004). Research methodology in applied economics: organizing, planning, and conducting economic research, Blackwell publishing

Web Resources	
1.	http://ignou.ac.in
2.	http://egyankosh.ac.in
3.	https://www.educba.com
4.	https://research.com/research/how-to-write-research-methodology
5.	https://www.questionpro.com/blog/what-is-research/

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
	HEALTH ECONOMICS	Generic Elective-IV	3	3	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
I	Introduction to Health Economics 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.
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.
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.
IV	Health Infrastructure Health Infrastructure – Rural – Urban –Government Programmes - Preventive, Promotive and Curative Health Care Services - Health Allocation in Budget
V	Health Services and Medical Insurance Health Insurance -Types of Insurance Policies in India- Medical Ethics - Medical Tourism.

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

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	BASIC ACCOUNTANCY	SEC-VI	2	2	25	75	100

Learning Objectives	
C1	To provide an understanding on the basic concepts in Financial Accounting
C2	To equipped with basic knowledge about Tally.
C3	To describe the Final Accounts and Balance Sheet Adjustment
C4	To understand the bank Reconciliation Statement and its uses
C5	To use the Tally Software and its applications

UNIT	Contents
I	Introduction to Accounting Definition – Objectives – Functions- Advantages and Disadvantages- Single Entry Book Keeping and Double - Entry Book Keeping.
II	Accounting -Books and Records Journal – Ledger- Subsidiary Book- Cash Book- Trial Balance – Meaning- Methods of Preparation – Errors- Classification of Errors- Rectification of Errors.
III	Final Accounts Final Accounts- Preparation of Trading- Profit and Loss Account- Balance Sheet (Simple Adjustments).
IV	Bank Reconciliation Statement Bank Reconciliation Statement – Need - Meaning- Method of Preparation of Bank Reconciliation Statement
V	Tally Software Introduction to Accounting Package – Tally- Meaning, Features, Advantages, Data Entry, Formatting Data , Functional Keys and Simple Calculation- Tally: (Theory for Exam)

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Basic Concepts of Accounting and prepare Book keeping.	PO1,PO3
2	Make Journal and Ledger and Categorize the various subsidiary books of accounts and identify & rectify errors	PO1,PO3
3	Prepare Profit and loss account and Balance Sheet	PO1, PO2,PO3
4	Tabulate Bank Reconciliation Statement.	PO2,PO3
5	Apply Tally Software Package in Accounting	PO3,PO8

Textbooks	
1	Reddy. T.S and Hari Prasad Reddy. Y(2013) Financial and Management Accounting Margham Publications Chennai
2	Reddy .T.S Murthy(2012) Financial Accounting Margham Publications Chennai
3	Rajni Sofat, Preeti Hiro, “Basic Accounting”, PHI Learning, 2010
4	Nishat Azmat, Andy Lymer, “Basic Accounting”, Mobius, 2016
5	John J. Wild, Barbara Chiappetta, Ken Shaw, “Fundamental Accounting Principles”, Mc Graw Hill, 2016

Reference Books	
1.	Mukesh Mahajan, P.S.Gills, V.P.Sharma and H.S.Punia(2001), Fundamentals of Accountancy, Unistar Books, Chandigarh.
2.	Sundeep Sharma (2004) Principles of Accounting, Shree Niwas Publication, Jaipur
3.	Shukla M.C, T.S. Grawal and S.C. Gupta, (2018), Advanced Accounts, S.Chand and Company
4.	Maheshwari S.N and Suneel.K.Maheshwari, (2018), Financial Accounting Vikas Publishing House.
5.	Goyal V.K and Ruchi Goyal, (2012), Financial Accounting, Prentice Hall India Learning Private Limited.

Web Resources	
1.	https://www.accounting.com/resources/students/
2.	https://icmai.in .
3.	https://www.cipfa.org
4.	https://www.accountingcoach.com/
5.	https://www.youtube.com/watch?v=OIto9XwgHII

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	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	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	2	2	3	2	1
CO2	2	2	3	2	2
CO3	3	2	3	2	2
CO4	2	2	3	2	2
CO5	2	2	3	2	2
Weightage	11	10	15	10	9
Weighted percentage of Course Contribution to PSOs	2.2	2	3	2	1.8

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

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	Modern Banking and Insurance	SEC-VII	2	2	25	75	100

Learning Objectives	
C1	To discern the modern banking and insurance course
C2	To enables the learners understand new financial instruments and banking practices
C3	To know the role of insurance in economic development
C4	To understand the insurance contract and risk management
C5	To know the Major Insurance Legislation in India and its growth

UNIT	Contents
I	Banking Commercial Banks- Functions of Commercial Banks- Private and Public Sector Banks- Credit Creation - Commercial Banks's role- Payment Banks- functions- Digital Banking-Tools – Methods
II	Central Banks Functions of a Central Bank – Objectives of Monetary Policy – Effects and Limitations – Narasimhan Committee Report.
III	Introduction to Insurance Insurance: Meaning and Types- Role of Insurance in Economic Development -Saving and Investment Aspects – Social Vs Private Insurance: Life Vs Non-Life Insurance. Classification of Life, Health and General Insurance Policies.
IV	Insurance Contract and Risk Management Meaning of contract- Insurable Interest- Utmost good faith- Principle of Indemnity and other Principles-Risk Management: Definition and Types- Management of Risk through Identification Analysis and Control.
V	Insurance Business in India Major Insurance Legislation- Growth of Industry- Agricultural Insurance-Health Insurance- Reinsurance- Entry of Private Insurance Companies- Insurance Act. LIC Act, GIC Act. IRDA Act.

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Recollect the financial tools and methods of banking operations	PO1,PO2
2	Understand and describe the central banking operations.	PO1,PO2
3	Explain various types of insurances in Practice	PO1, PO4
4	Evaluate the insurance policies and recommend the right policies for use.	PO1, PO2,PO4,PO7
5	Evaluate the macro level implications of the various insurances.	PO1,PO3,PO8

Textbooks	
1	Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi
2	Heffernan, S. (2005). Modern Banking. John Wiley & Sons
3	Tyagi, C. L., & Tyagi, M. (2007). Insurance Law and Practice. Atlantic Publishers & Dist.
4	J. N. Jain, “Modern Banking and Insurance : Principles and Techniques”, Regal publications, 2008
5	Prasada & Radhika Rao, “Trends of Modern Banking”, BSP Publication, 2016

Reference Books	
1.	Finsinger J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation: A Cross National Study, Macmillan London.
2.	Sethi, J., & Bhatia, N. (2012). Elements of Banking and Insurance. PHI Learning Pvt. Ltd..
3.	Lewis, M. K. (1992). Modern Banking in Theory and Practice. Revue Economique, 203-227.
4.	Tripathy, N. P., & Pal, P. (2005). Insurance: Theory and practice. PHI Learning Pvt. Ltd.
5.	Muraleedharan, D. (2014). Modern Banking: Theory and Practice. PHI Learning Pvt. Ltd..

Web Resources	
1.	https://www.irdai.gov.in
2.	https://rbi.org.in
3.	https://www.studocu.com
4.	https://www.indiapost.gov.in/Financial/Pages/Content/pli.aspx
5.	https://licindia.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	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	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	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	2
CO2	3	3	3	2	2
CO3	2	2	3	3	2
CO4	3	3	3	3	3
CO5	3	3	3	2	2
Weightage	14	14	15	13	11
Weighted percentage of Course Contribution to PSOs	2.8	2.8	3	2.6	2.2

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

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	Environmental Science - I	Environmental Science	2	1	25	75	100

UNIT	Contents
I	The multidisciplinary nature of environmental studies <ul style="list-style-type: none"> • Definition, scope and importance • Need for public awareness
II	Natural resources <ul style="list-style-type: none"> • Renewable and non – renewable resources • Natural resources and associated problems a. Forest resources : Use and over - exploitation, deforestation, timber extraction, mining, dams and their effects on forest and tribal people. b. Water resources : Use and over -utilization of surface and ground water. c. Mineral resources : Use and exploitation, environment effects of extracting and using mineral resources . d. Food resources : World food problems, changes caused by agriculture and overgrazing, fertilizer pesticide problems, e. Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate sources. f. Land resources : Land as a resource, Land degradation, and degradation. <ul style="list-style-type: none"> • Role of an individual in conservation of natural resources
III	Eco –system Concept of an ecosystem <ul style="list-style-type: none"> • Structure and function of an ecosystem • Producers, consumers and decomposers • Energy flow in the ecosystem • Ecological succession • Food chains, food webs and ecological pyramids
IV	Biodiversity and its conservation Introduction : Definition <ul style="list-style-type: none"> • Hotspots of biodiversity • Threats to biodiversity : habitat loss, poaching of wildlife, man wildlife conflicts • Endangered and endemic species of India • Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity .

V	Environmental pollution Definition <ul style="list-style-type: none"> • Causes, effect and control measures of • a).Air pollution • b).Water pollution • c).Soil pollution • d). Noise pollution • Solid waste management : causes,effect and control measures of urban an industrial wastes • Role of an individual in prevention of pollution
VI	Environment From unsustainable to sustainable development <ul style="list-style-type: none"> • Water conservation, rain water harvesting, watershed management • Environmental ethics: issues and possible solutions. • Climate change, global warming, acid rain, ozone layer depletion
VII	Human population and the Environment Population explosion family welfare programme <ul style="list-style-type: none"> • Environment and human health • Women and child welfare • Role of information technology in environment and human health
VIII	Visit to a local area to document environmental assets- river /forest / grassland / hill/ mountain. <ul style="list-style-type: none"> • Visit to a local polluted site – Urban /Rural/ Industrial / Agriculture

Course Outcomes:

- Impart knowledge about environment.
- Understand the natural resources.
- Understand the ecosystem, ecological succession and ecological pyramids.
- Develop knowledge in understanding biodiversity and its conservation.
- Understand the environment, its pollution and the human population and environment.

Prescribed Texts:

- N.Arumugam and V.Kumaresan. Environmental studies, saras Publications, Kanyakumari. 2005.

Reference Books:

- D.K. Asthana, MeeraAsthana. A Text Book of Environmental Studies (Undergraduate studies), S.Chand and Company Ltd. New Delhi. 2006.
- V. Dhulasi Birundha. Environmental Studies, Allied Publications,Chennai. 2006.

- K. S. Kanagasabai. Environmental studies, RaSee Publications, Madurai. 2005.
- R. Kannan, P. Badri Sriman Narayan , Environmental Studies, NGM, Publications, Pollachi.
- A. Thagamani, Shyamal, T. A Text book of Environmental studies, Pranav Syndicate, Sivakasi. 2003.

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
I	Money Definition, functions, Importance-Forms of Money- Supply of Money (M1, M2, M3, M4)-Crypto Currencies.
II	Demand for Money Demand for Money: Classical, Keynesian and Baumol's Inventory theoretic Approach- James Tobin's Portfolio Approach - Milton Friedman's Reformulated Quantity Theory.
III	Monetarism Vs Keynesianism Monetarism Vs Keynesianism- Comparison- Determinants of Money Supply – Money Multiplier. Supply Side Policies of Inflation.
IV	Commercial Banks Commercial Banks - Credit Creation – Role of Commercial Banks after Nationalisation- RBI's role in Commercial Banks -Narasimhan Committee Report.
V	Monetary Stability and Central Bank Inflation and Deflation: Definition, Types, Causes and Effects- Demand-Pull and Cost-Push Inflation- Central Bank Functions - Reserve Bank of India (RBI) -Monetary Policy and its Operations in India.

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
	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
I	Introduction Fiscal Economics: Nature, Scope, Objectives and Instruments -Major Fiscal Functions - Market Failure: Public Goods and Private Goods, Externalities, Efficiency Versus Equity- Principles of Functional Finance.
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 and its Instruments.
III	Budget and Taxation Role of Government in a Modern Economy- Public Budget: Types and Structure - Taxation -Features of a Good Tax System- Direct and Indirect Taxes -Concept of Impact- Incidence and Shifting of Taxation- Elasticity and Determination of Tax Burden - Optimal Taxation.
IV	Public Expenditure and Debt Public Expenditure: Canons and Classification -Wagner's Law of Public Expenditure- Public Debt: Meaning and Types, Burden of Public Debt- Principles of Public Debt Management– Deficit Financing.
V	Indian Public Finance Budget of the Government of India (Previous Financial Year)-Sources of Public Receipts (Tax and Non-Tax, GST and its Impacts)-Components of Public Expenditure-Sources of Public Borrowing and Debt Liabilities- Deficits-Appraisal of FRBM Act 2004- Fiscal Federalism: Centre and State Relations -Finance Commission Recommendations of Last 3 years.

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
	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
I	Introduction Nature and scope of Industrial Economics - History of Industrial Revolution -Digital Revolution -Classification of Industries: Public Sector, Private Sector and Public Private Partnerships- Large, MSMEs, Cottage Industries- Concept of Plant, Firm and Industry.
II	Theories of Location Theories of Industrial Location - Weber - Sargant Florence - Factors Affecting Location-Localization -Glocalization of Industries – Decentralization of Industries-Industrial Efficiency and Economic Efficiency- Measures of Concentration - Concentration ratio - Hirschman - Herfindahl Index.
III	Industrial Licensing and Policies Industrial Licensing – MRTP Act – Industrial Policies -Industrial Productivity -Capacity Utilization - Industrial Sickness- Mergers and Acquisitions – Profitability and Efficiency.
IV	Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives.
V	Growth Trends in India Industrial Growth in India: Trends and Prospects – Incentives to Promote Industrialization – Ease of Doing Business Ranking - MNCs in India - Special Economic Zones- FDI Policy- Make in India Initiative- National Manufacturing Policy.

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
	PROJECT WITH VIVA-VOCE	Core -XII	4	5	25	75	100

PROJECT

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	ENVIRONMENTAL ECONOMICS	Core -XII	4	5	25	75	100

Learning Objectives	
C1	To understand the theoretical basis of Environmental Economics
C2	To choose the relevant economic tools to improve Environmental Quality
C3	To describe the Environment as a Public Good and market failure theories
C4	To doctrine the various methods of environmental valuation and its uses
C5	To know the regulation of Pollution through Economic Instruments

UNIT	Contents
I	Fundamentals of Environmental Economics Definition, Scope and Significance - Environment – Economy Linkages – Material Balance Approach - Malthusian and Neoclassical perspective of Environment - Sustainable Development - Environment Kuznets Curve.
II	Economics of Natural Resources Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources.
III	Market Failure Environment as a Public Good - Tragedy of Commons-Externalities - Pigouvian Fee and Coase theorem on Property Rights.
IV	Valuation of Environment Total Economic Value - Contingent Valuation Method – Stated Preference - Travel Cost Model - Hedonic Pricing - Economics of Sustainable Development - Green Accounting – Ecological Footprint, Carbon Footprint, Ecological Shadow.
V	Economics of Pollution Control Optimal level of Pollution - Regulation of Pollution through Economic Instruments - Command and Control Approach.

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Have a better understanding of Environment-Economy Linkages.	PO1, PO2,PO5
2	Apply environmental concepts to Economic Theories.	PO2,PO3
3	Create economic policies incorporating Environmental Issues.	PO5, PO7
4	Analyse the methods to value Environment Pollution.	PO2,PO3
5	Evaluate the need for reduction of Pollution.	PO2,PO7

Textbooks	
1	Karpagam. M, (2017), Environmental Economics–Third Edition, Sterling Publication Pvt. Ltd, Noida.
2	Nick Hanley, Jason Shogren and Ben White, (2013), Introduction to Environmental Economics, Second Edition, Oxford University Press, Oxford.
3	Eugene .T Environmental Economics, Oxford University Press, New Delhi. (2014),
4	Hanley N, Shogren JF, White B “Environmental Economics in Theory and Practice”, 2nd Edition. Palgrave Macmillan, 2007
5	Kolstad, Charles D, (2000), Environmental Economics, New York: Oxford University Press,

Reference Books	
1.	Maureen L. Cropper and Wallace E. Oates, “Environmental Economics: A Survey”, Journal of Economic Literature, Volume 30, 1992,
2.	Barry C. Field, (1994)Environmental Economics: An Introduction, Singapore, McGraw-Hill,
3.	Hussen, Ahmed.M.(1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London: Routledge.
4.	Dr.S.Sankaran(2012) Environmental Economics Margham Publications.
5.	Mark Maslin(2014) “Climate Change: A Very Short Introduction 3 rd Edition Oxford University Press.

Web Resources	
1.	https://unfccc.int/
2.	https://www.undp.org/
3.	http://moef.nic.in/
4.	https://www.envis.nic.in
5.	https://www.unep.org

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	15	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	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
	MANAGERIAL ECONOMICS	Discipline Specific Elective-V	3	4	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
I	Introduction Nature and Scope of Managerial Economics - Meaning - Characteristics- Importance-Role and Responsibilities of Managerial Economist – Basic Economic Tools in Managerial Economics.
II	Demand, Cost and Profit Analysis Demand for Durable and Non-Durable Products, Demand Forecasting Techniques -Statistical and Non-Statistical Techniques -Cost Estimation - Cost-Volume-Profit Analysis (Break Even Analysis)- Objectives and Assumptions; Determination of Break Even Point, Limitations
III	Pricing Policies and Practices Objectives - Popular Pricing Methods and Strategies- Price Discounts and Differentials- Pricing by Manufacturers and Retailers- Price Forecasting.
IV	Capital Budgeting Capital Budgeting: 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.
V	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.

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-V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	TAMIL NADU ECONOMY	Discipline Specific Elective -V	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 tamilnadu
C5	To describe the state finances and its development initiatives

UNIT	Contents
I	Introduction Tamil Nadu–Salient features–Geographical Features – Economic and Social Indicators –Human Development – Index Rank–Gender Disparity Index–Poverty Index –Work Participation Rate – Unemployment Rate – Literacy Rate– Life Expectancy – Demography and Occupational Patterns.
II	Agriculture Agriculture–Land Use Patterns– Cropping Pattern–Irrigation - Agricultural Marketing – Defects and Remedial measures – Agricultural Finance – Policy and Issues –Crop Insurance.
III	Industry Industrial Scenario in Tamil Nadu – Production Trends—Large Industries- MSMEs –Khadi and Village Industries – Export Contribution of top 5 Major Industries - Industrial Financial Institutions: TIIC, SIDCO, SIPCOT, Industrial Estates-DIC, EPZ, SPZ, SEZ.
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.
V	General Performance of the State Tourism and Medical Tourism – Women Empowerment Programme – Self Help Groups and Micro Finance- Mahalir Thittam - Environmental Protection Measures.

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.

Web Resources	
1.	www.tn.gov.in
2.	http://tnenviis.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
	GENDER ECONOMICS	Elective-VI	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
I	Introduction to Gender Analysis and Economics Definition - Gender - Gender Analysis: Purpose and Scope - Feminist Perspective in Economics - Classical and Neoclassical Economics- Post Keynesian Economics-Economic Measurements - Empirical Challenges.
II	Development and Anti - Development Development Versus Anti-Development - Women In Development (WID)- Women and Development (WAD)-Gender And Development – Women And Empowerment-Women And Environment – Ecofeminism.
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
IV	Marginalization of Women Women Sidelined – 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
V	Gender, The Economy and Related Issues Population – Demographic Features - Health and Education - Policy Measures – Government and NGOs– Gender Budgeting

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://new.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-V

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	OPERATIONS RESEARCH	Discipline Specific Elective-VI	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
I	Introduction to Operations Research Operations Research – Definition–Methodology – Tools- Types of Operations Research Models- Operations Research and Decision Making - Limitations.
II	Linear Programming Problem Definition – Applications- Assumptions -Formulation- -Graphical solution – Maximization and Minimization- Simplex Method (2 Variable)
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.
IV	Decision Theory Decision Making under Risk and Uncertainty-Decision Tree Analysis- Network Analysis –Basic Concepts: CPM – PERT
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.

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.	Hamdy Taha,(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, New Delhi
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

Course Code	Value Education	Hrs	Credits	CIA	CE
Sem-V / Part- IV		2	2	25	75

Learning Objectives:

This course aims to

LO1 – build physical and mental strength of the learners

LO2 – strengthen the emotional and spiritual aspects of the learners.

LO1 – make the learners responsible and cooperative citizens

LO3 – develop democratic way of thinking and inculcate spirit of national integration

LO4 – develop the practice of paying respect for dignity of individual and diversity in society

COURSE CONTENT

Unit I - Yoga and Physical Health

1.1 Physical Structure – Three bodies – Five limitations

1.2 Simplified Physical Exercises – Hand Exercises -Leg Exercises – Breathing Exercises – Eye Exercises – Kapalapathi

1.3 Maharasanas 1-2 – Massages – Acu-puncture – Relaxation

1.4 Yogasanas – ~~Padmasana~~ ^{of Bhujangasana} – Padmasana – Vajrasanas – Chakrasanas (Side) – Viruchasanas – Yoga muthra – Patchimothasanas – Ustrasanas – Vakkarasanas – Salabasanas

Unit II - Art of Nurturing the life force and Mind

2.1 Maintaining the youthfulness – Postponing the ageing process

2.2 Sex and Spirituality - Significance of sexual vital fluid – Married life – Chastity

2.3 Ten stages of Mind

2.4 Mental frequency – Methods for concentration

Unit III - Sublimation

3.1 Purpose and Philosophy of life

3.2 Introspection – Analysis of Thought

3.3 Moralization of Desires

3.4 Neutralization of Anger

Unit IV – Human Resources Development

4.1 Eradication of worries

4.2 Benefits of Blessings

4.3. Greatness of Friendship

4.4 Individual Peace and World Peace

Unit V – Law of Nature

5.1 Unified force – Cause and Effect system

5.2 Purity of Thought and Deed and Genetic Centre

5.3 Love and Compassion

5.4 Cultural Education – Five fold Culture

1) யோகமும் உடல்நலமும்

(16 hours)

- 1.1 உடலமைப்பு - 3 உடல்கள் - ஐந்தில் அளவுமுறை
- 1.2 எளியமுறை உடற்பயிற்சி - கைப்பயிற்சி - கால் பயிற்சி - மூச்சுபயிற்சி - கண் பயிற்சி - கபாலபதி
- 1.3 மகராசனம் 1-2 - உடல் தேய்த்தல் - அக்குபிரஷர் பயிற்சி - உடல் தளர்த்தல்
- 1.4 யோகாசனங்கள்: குவிந்தநிலை - பத்மாசனம் - வஜ்ராசனம் - சக்கராசனம் (பக்கவாட்டில்) - விருச்சாசனம் - யோக முத்ரா - பச்சி மோத்தாசனம் - உஸ்ட்ராசனம் - வக்கராசனம் - சலபாசனம்

2) உயிர்வளமும் - மனவளமும்

(16 hours)

- 2.1 இளமை காதல் - முதுமையைத் தள்ளிப்போடுதல்
- 2.2 பாலுணர்வும் ஆன்மீகமும் - வித்தின் மகிமை - இல்லற வாழ்வு - கற்புநெறி
- 2.3 மனதின் பத்து படிநிலைகள்
- 2.4 மன அலைச்சுழல் - மன ஓர்மைக்கான பயிற்சிகள்

3) குணநலப்பேறு

(16 hours)

- 3.1 வாழ்வின் நோக்கம் - வாழ்க்கைத் தத்துவம்
- 3.2 அகத்தாய்வு - எண்ணம் ஆராய்தல்
- 3.3 ஆசை சீரமைத்தல்
- 3.4 சினம் தவிர்த்தல்

4) மனிதவள மேம்பாடு

(16 hours)

- 4.1 கவலை ஒழித்தல்
- 4.2 வாழ்த்தும் பயனும்
- 4.3 நட்பு நலம்
- 4.4 தனிமனித அமைதி - உலக அமைதி

5) இயற்கை நியதி

(16 hours)

- 5.1 ஒருங்கிணைப்பு ஆற்றல் - செயல்விளைவுத் தத்துவம்
- 5.2 மனத்தாய்மை, வினைத்தாய்மை - கருமையம்
- 5.3 அன்பும் கருணையும்
- 5.4 பண்பாட்டுக் கல்வி - ஐந்தொழுக்கப் பண்பாடு

Reference Book:

Manavalakalai Yoga, Vethathri Publications, Tamil Nadu, 2008.

Evaluation Pattern:

Practical [Performing Yoga & Meditation] – 25 marks

Theory [End-Semester Examination] – 75 marks

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	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
I	Introduction Nature and Scope of International Economics -The Globalization of the World Economy - International Trade and the Nation's Standard of Living - International Trade Policy - Current International Economic Problems and Challenges.
II	International Trade Theories Absolute Advantage: Adam Smith - Comparative Advantage: David Ricardo - Opportunity Cost: Haberler - Reciprocal Demand: Mill - Offer Curves: Marshall - Factor Endowments: Heckscher-Ohlin - Leontief Paradox - Economic Growth and International Trade.
III	Foreign Exchange Market Foreign Exchange Market: Function and structures - Exchange Rates: Fixed, Flexible, Floating, Pegged, Nominal and Real Exchange Rates - Theories of Exchange Rates: Mint Parity Theory, Purchasing Power Parity Theory, and Balance of Payments Theory.
IV	Balance of Payments The 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.
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.

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
	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
I	Introduction Meaning and Nature of Development Economics – Core values of Development- Amartya Sen’s Approach – Economic Growth Vs. Development – Progress and Economic Welfare – Comparative Economic Development.
II	Theories of Economic Growth and Development – I Rostow’s stages of Growth – Big Push Theory - Theory of Critical Minimum Effort - Utilisation of Surplus Manpower – Lewis Theory, Nurkse Theory - Rural Urban Migration – Harris-Todaro Model.
III	Theories of Economic Growth and Development – II Harrod-Domar Model (Critical Expansion and Growth) - - Solow Model of Growth - Technical Progress and Growth - Human Capital and Growth - Myrdal Model (Cumulative Causation Thesis) - Kaldor Model (Model of Distribution).
IV	Development Planning Development Planning – Concept and Rationale- Basic Models of Development Planning process – Government Failure and Market Economy – Role of NGOs in Economic Development – Trends in Governance and Reforms.
V	Financing Economic Development Role of Financial System in Economic Development – Formal Versus Informal Finance – Micro Finance – Foreign Finance – Foreign Aid - Development Assistance Debate.

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
	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
I	Introduction Scope and significance of Agriculture- Role of Agriculture in India's Development- Inter-sectoral Linkages - Farm Management: Definition and Principles-Management of Risks in Agriculture.
II	Agricultural Labour Agricultural labour: Definition - Types – Supply of Labour –Problems - Rural Unemployment: Types, Consequences and Remedial Measures- Minimum Wages for Agricultural Workers– Recent Wage and Self-Employment Programmes
III	Agricultural Finance Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance- Cooperatives in Rural Finance- Role of Commercial Banks and NABARD – Farm Capital - Meaning, Types and Marginal Efficiency of Farm – Agricultural Capital Formation
IV	Agricultural Price Policy Objectives and need of Agricultural Price Policy – Stability and Trends in Agricultural Prices – Evaluation of Agricultural Price Policy in India – Agricultural Exports - Current Issues in Indian Agriculture.
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.

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
	BEHAVIOURAL ECONOMICS	Discipline Specific Elective-VII	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
I	Introduction History and Evolution of Behavioural Economics - Neoclassical Concept and Criteria for Economic Rationality - Causes of irrationality – Herbert Simon -Bounded Rationality Methods used in Behavioural Economics
II	Heuristics & Biases Advantages and Disadvantages of Heuristics - Availability Heuristic - Anchoring Heuristic - Representative Heuristic - Self Evaluation Biases and Projection Bias
III	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
IV	Prospect Theory Conventional approaches to modifying Expected Utility theory - Prospect theory and Endowment effect - Reference points and Loss Aversion - Shape of the utility function - Decision weighting
V	Mental Accounting Nature and Components of mental accounting - Framing and Editing - Budgeting and Fungibility - Choice Bracketing and Dynamics

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 AnkePlagnolBehavioral 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 CorrellBehavioral Economics: Psychology, Neuroscience, and The Human Side of Economics (Hot Science) Icon Books Ltd, 2021
4	SanjitDhami.,The Foundations of Behavioral Economic Analysis, Oxford University Press,2016
5	Brandon Lehr, “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
	BASIC ECONOMETRICS	Discipline Specific Elective- VII	3	5	25	75	100

Learning Objectives	
C1	To analyse the Economic Relationship mathematically.
C2	To estimate testing hypotheses, forecasting which helps in Policy Decision Making
C3	To understand the application of economic theories in real time situations
C4	To evaluate the Violation of Assumptions in econometric applications
C5	To understand and analyze various Econometric Models and its application.

UNIT	Contents
I	Introduction Definition – Scope – Divisions – Objectives – Use of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model– Two variable Model, Population regression Function (PRF), Sample Regression Function (SRF) – Error term U – significance - Stochastic form of PRF and SRF.
II	Estimation Classical Linear Regression Model – Assumptions – Method of Ordinary Least Squares (OLS) – Derivation of OLS Estimators - Derivation of variance and Standard error of OLS estimators (Simple Linear Regression) – Properties of OLS estimators- Gauss–Markov Theorem – Proof – Three Variable Model estimation (Basic Idea only) – Hypothesis Testing (t and F test)–Test of Goodness of Fit R^2 and Adjusted R^2 .
III	Violation of Assumptions Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures.

IV	Functional Forms and Dummy Variables Regression through the origin - Double Log Model – Measurement of Elasticity – Semi log model – Measurement of Growth. Dummy Variables – ANOVA and ANCOVA Models – Dummy Variable Trap – Uses – Interaction Effects – Structural Changes – Seasonal Variations – Piecewise Linear Regression. Autoregressive and Distributed Lag Model – Ad Hoc Method of Estimation – Koyck Transformation – Mean and Median Lag.
V	Simultaneous Equation Model Simultaneous Equation Model: Definition and Examples – Simultaneous Equation Bias – Structural and Reduced Form Equations – Identification – Rank and Order Condition – Indirect Least Square Estimation – Two Stage Least Square Estimation.

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understanding the importance of Econometrics.	PO1,PO3
2	Learning the estimation techniques of measuring relationship among economic variables.	PO1,PO3
3	Developing skills of interpretation.	PO3,PO8
4	Construct models in the testing of theories.	PO2, PO3, PO7
5	Application of real data for policy suggestions.	PO2,PO3,PO8

Textbooks	
1	Gujarathi, D. M. (2022). Gujarati: Basic Econometrics. McGraw-hill.
2	Ramanathan, R. (1992). Introductory econometrics with applications. Dryden Press.
3	Maddalla G.S.(2001) Introduction to Econometrics, Third Edition ,Wiley India
4	Koutsoyiannis. “A, Theory of Econometrics”, Palgrave, Delhi.
5	M.Wooldridge, “Introductory Econometrics: A Modern Approach”, Jeffery 5th Edition 2013.

Reference Books	
1.	Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum’s Series).
2.	Damodar, N. (2009). Basic Econometrics Fifth Edition. McGraw-Hill.
3.	Moody, C. (2009). Basic econometrics with STATA. Economics Department. College of William and Mary.
4.	Johnson Jr, A. C., Johnson, M. B., & Buse, R. C. (1987). Econometrics: Basic and applied. New York.
5.	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons.

Web Resources	
1.	https://nptel.ac.in/courses/111104072
2.	http://home.iitk.ac.in/~shalab/onlinecoursematerial
3.	https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf
4.	https://www.econometricsociety.org
5.	https://economicsnetwork.ac.uk

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	2	2	3	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	14	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	2	3	3
CO2	3	3	2	3	3
CO3	3	3	2	3	3
CO4	3	3	2	3	2
CO5	3	2	3	2	2
Weightage	15	14	11	14	13
Weighted percentage of Course Contribution to PSOs	3	2.8	2.2	2.8	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
	URBAN ECONOMICS	Discipline Specific Elective - VIII	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
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 .
II	Concept, Causes and Problems of Urbanisation Urbanization – Concept– Urban Morphology - Causes and Issues of Urbanization- Sustainable Urbanization.
III	Urban Infrastructure Urban Infrastructure- Transportation – Electricity - Water Supply - Slums, Housing and Urban Renewal -Public Health.
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.
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

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	Credits	Inst. Hours	Marks		
					CIA	External	Total
	FINANCIAL MARKETS AND INSTITUTIONS	Discipline Specific Elective-VIII	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
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
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.
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.
IV	Derivatives Market Classification of Stock Market and Securities – IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives.

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.
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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, 4e. 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
	GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS	Professional Competency Skill	2	2	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
I	Polity Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of subjects between the Union and the States Local Governance, Elections in India and Election Commission, CAG
II	Geography Major oceans of the world - Important Canals – Gulfs – Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere, wind systems, cloud systems, world climatic classification -Indian climate - Indian Monsoon - India's Physical Features, Indian Soil -Types and Distribution - Important Trade Routes and Projects, Indian Natural Vegetation - Indian agriculture- Major Crops and its distribution, Indian Industries and its Distribution
III	Economy National Income – Inflation - Money and Banking - Agriculture in India - Union Budget - Planning in India – Poverty – Unemployment - Inclusive Development and Development issues - Industrial Policies - Financial Markets

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 and Demand for Pakistan - Cabinet Mission - formation of Constituent assembly and Partition of India
V	Environment and Ecology Basic concepts- Ecology, Biodiversity - Food Chain And Food Web - Bio-Geo Chemical Cycles -International Biodiversity Organisations - International Conventions - Conferences and Protocols - Indian Environmental Laws And Environment Related Organisations

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

B.A ECONOMICS
SEMESTER I
EXTRA CREDIT COURSE - I
CONSUMERISM

Credits: 2

Mode: Self study

Preamble

This course deals with the awareness of need for consumer protection, problems and exploitation of consumers.

UNIT I

Need for Consumer protection: Consumer: Meaning – consumer Exploitation in India – Problems– weakness of the consumers – need for consumer protection.

UNIT II

Introduction to Consumerism: Consumerism-Evolution-meaning and definition Approaches to consumerism – conditions leading to consumerism – meaning- measures for consumer protection.

UNIT III

Consumerism in India: consumer guidance society of India (CGSI) - Function of the society.

UNIT IV

Consumer protection council: Central consumer protection council- State consumer protection council- Consumer protection Act 1986- Right of consumers.

UNIT V

Redressal machinery: Redressal machinery under the act – Three tier courts for the consumer – nature and scope of remedies under the act – Enforcement of the order and punishment.

Course Outcome

On the successful completion of the course, students are able to

CO	Course Outcomes
CO1	Understanding consumer protection and consumer exploitation
CO2	Knowing the consumerism and functions of society
CO3	Recognizing the consumer protection act
CO4	Comprehending the redressal machinery of consumer protection acts
CO5	Learning the enforcement of order and Punishment

REFERENCE BOOK:

1. Kathiresan & Dr.Radha – Marketing, Prasanna publishers, 2006
2. Dr.C.B.Gupta & Dr.N.Rajanayair- Marketing management, Sultan Chand & sons, 2006
3. R.S.N Pillai & Bagavathi – Modern marketing principles and practices, S.Chand& Company 2000

B.A ECONOMICS
EXTRA CREDIT COURSE - II
BUSINESS LETTERS

Credits: 2

Mode: Self study

Preamble

To give orientation in written communication.

UNIT I

Introduction: Essential of Business letters – Qualities – Structure of business letters Layout and design of a business letter.

UNIT II

Application for a Situation: Object of an Application - Sources of Information- Matters to be included in Application - Testimonials.

UNIT III

Public Relations Letters: General guidelines - Types of Goodwill messages- Congratulatory Messages - Thank you Notes - Sympathy Notes - Appreciation - Seasonal Greetings.

UNIT IV

Advertising : Classified Advertisement - Essentials - Specimen - Situational Vacant - Real Estate - Automotive - Offering Services - Direct Mail Advertising - Specimen Direct mail.

UNIT V

Interviews: Introduction - Stages of an Interview - Types of Questions - Types of Interview - Preparing for a job Interview- Conducting yourself during the interview - Evaluation Criteria - Communicating after the interview - Specimen Letters.

Course Outcome

On the successful completion of the course, students are able to

CO	Course Outcomes
CO1	Examining the basic concept & scope for office communication.
CO2	Understanding the essential and qualities of business letter
CO3	Practicing the types of business letter.
CO4	Practicing to write trade enquires and reply letter.
CO5	Practicing preparation of resume

REFERENCE BOOKS:

1. S.Kathirasan and Dr.V.Radha - Business Communication, Presenna Publication and Distributors, Chennai.
2. Rajendra Pal &Korlahalli, J.S., Essentials of Business Communication, Sultan chand & Sons, New Delhi.
3. K.K. Sinha – Business Communication
4. Parag Diwan and L.N.Aggarwal – Business Communication
5. K. Vairamani – Business Communication

B.A ECONOMICS
EXTRA CREDIT COURSE - III
HOME ECONOMICS

Credit: 2

Mode: Self study

Preamble:

The course provides knowledge on management of resources at the family level and equip the students with the techniques of correct decision making to reduce fatigue in the routine household activities.

UNIT I:

Home management: Concept of home – Its role and functions – types of families – Merits and demerits- Role of modern women as home maker and home management – Goals.

UNIT II:

Management of resources: Human & Non -human resources – Management process in family living – Organizing and assembling resources – Decision making in family living – Steps in decision making process – Qualities of good home maker- Factors which affect food management – Purchase and selection of food from the market.

UNIT III

Work simplification: Time Management: time plans – Controlling time – Evaluation of time plan – Sample time plan – Management of energy – Energy requirements for living and household tasks – Fatigue and its types – Reducing fatigues – Work simplification – Meaning – Work simplification in home – Improving working methods in home.

UNIT IV

Management of Money – Kinds of income – Management of income – Different income groups – Need and means of supplementary family income – Managing family finance – Planning a budget for family – Objectives of a family

budget – Steps for family budget -keeping record of Expenditure -Factors that affect expenditure of the family - Saving and investment.

UNIT V

Health: Meaning of health – Determinants- Dimension of health – Indicators- Health and Economic Development.

Course Outcome

On the successful completion of this course, students are able to

CO	Course outcome
CO1	Develop the values and requirement for efficient management of family.
CO2	Infer a basic knowledge of human health.
CO3	Identify the concepts in the preparation of family budget.
CO4	Gain knowledge in time management to reduce fatigue in household activities

REFERENCE BOOK:

- Mrs.K.Ajmani, Mrs.M.Baliga, Mrs.A.Banerjee, Mrs.A.Das, Mrs.R.Gulati, Mrs.L.Nair, Mrs.Punia, Mrs.V.Rana, Miss.S.Shrivastav - Home Management, Arya Publishing House, Educational Planning Groups, Karol Bagh, New Delhi 1995.

B.A ECONOMICS
VALUE ADDED COURSE - I
OFFICE MANAGEMENT

Preamble

To make students understand the relevant concepts in office management.

UNIT I

Office Management – Functions of office manager – Office systems and procedure.

UNIT II

Records management – Filing, essential of good filing system – Classification and arrangement – Visible records system – Centralized vs. decentralized filing.

UNIT III

Measurement of Office Work Measurement of Office Work – Importance, Purpose, Difficulty in Measuring Office Work- Different ways of Measurement, Setting of Work Standards - Benefits of Work Standards - Techniques of Setting Standards.

UNIT IV

Work simplification – meaning and objectives – Guidelines in office work simplification – Flow process charts.

UNIT V

Report Writing: definition- classification of reports- writing of reports- Essentials of good report.

Course Outcome

On successful completion of the course, students are able to

CO	Course outcome
CO1	Comprehend office procedures and office systems
CO2	classify records,indexing and understand the methods of record management
CO3	realise the importance of work simplification and work measurement
CO4	Give description of report writing

Text Books:

- ❖ Prasanta K. Ghosh - Office Management, Sultan Chand & Sons Publications.

Reference Book:

- ❖ Kathirasan and Radha- Office Management, Prasanna Publishers,2015
- ❖ Kathirasan and Radha - Business Communication,Prasanna Publishers,2015
- ❖ R.K.Chopra- Office Management, Himalaya Publications.

VALUE ADDED COURSE - II

PRACTICAL BANKING

Hours: 30 Hours

UNIT I

Banker customer Relationship: Various types of relationship kyc norms, special types of accounts, mandate & power of attorney.

UNIT II

Banking System: Corporate banking Retail banking and Merchant Banking, Treasury Management, Cash management system.

UNIT III

Negotiable Instruments: Definition and features of Cheques, Bills of exchange, Promissory note, Holder, Holder in due course.

UNIT IV

Nonperforming Assets (NPA's) Introduction - classification of NPA's, Provisions for NPA's management of NPA'.

UNIT V

Practical sessions: Visit to bank - practices and process of opening bank accounts, pay in still slip, cheque book, pass book, ATM card, Debit card, Credit card.

Course Outcome

On the successful completion of the course, students are able to

CO Number	Description of Cos
CO1	Getting exposure for banking operations
CO2	Showing to various dimensions of day to day operations
CO3	Understanding practical applications of banking aspects in real life situations
CO4	Getting knowledge Nonperforming Assets and Management of NPA

REFERENCE BOOKS :

1. P.N.Varshney - Banking law and Practice, Sultan chand & sons, New Delhi.
2. M.Radhaswamy - Practical Banking, S.Chand & Company Ltd, New Delhi.

VALUE ADDED COURSE - III
FUNDAMENTALS OF GOODS AND SERVICE TAX

Hours: 30 Hours

UNIT I

Meaning – Salient features of goods and service tax (GST) - Benefits of GST- Limitations of GST - Important terms and definitions (Sec.-2) - GST Council. Registration under GST - GSTIN - Persons liable for Registration - Time limit for Registration.

UNIT II

Determination of taxable value of goods supplied - Inclusions of transaction value - Exclusion from transaction value - Preparation of tax invoice- Electronic way bill.

UNIT III

Supply: Meaning, levy and collection of tax - Types of supply - Place and time of supply- Composition on levy- Meaning and concept of composition scheme forms and returns under composition levy

UNIT IV

Input tax credit - Meaning - Features - Provisions regarding job work - Tax liability under reverse charge - Goods liable to be taxed on reverse charge basis- Services under reverse charge.

UNIT V

Practicals

Form GST Reg – 01 Part A - Application for Registration

Form GST Reg – 01 Part B - Application for Registration

Form GST Reg – 16 - Application for Cancellation of Registration

Course Outcomes:

CO Number	Description of COs	Blooms' Taxonomy Level
CO1	Gaining knowledge of the Time of Supply	Knowledge (Level 1)
CO2	Comprehending the valuation of supply of goods and services and input tax credit	Comprehension (Level 2)
CO3	Comprehending the levying and collection of GST	Comprehension (Level 2)
CO4	Analysing the necessities and procedures of Registration	Analysis (Level 4)

REFERENCE BOOKS:

1. Rajiv S. Mishra & Aruna Singham - Indirect Tax: Introduction of Goods and Service Tax, Himalaya Publishing House, New Delhi.
2. Vinod K Singania- Indirect Taxes, Taxmann's Publications, New Delhi.
3. H.C Mehrotra - Indirect Taxes, Sahitya Bhavan Publications, New Delhi.
