Attainment of Programme Outcome
B. A Economics
CO, PO and PSO Mapping

Blueprint of the question paper	Section	Unit I	Unit II	Unit III	Unit IV	Unit V
	Section A	2	2	2	2	2
	Section B Any FIVE	2	2	1	1	1
	Section C Either OR	2	2	2	2	2
	Section D Any THREE	1	1	1	1	1

SEMESTER- I			
CORE – I	**MICRO ECONOMICS – I**		
Code: 21UECC11	**Hours / week :5**	**Hrs / Sem.: 75**	**Credits :4**

Objectives:

- To develop the understanding of basic Micro economic concepts
- To equip the students with micro economic theories with graphic illustrations
- To develop the skills of analysis and application of the principles to the real -world problems

Unit I -Introduction to the Concepts of Economics   **15 hrs**

Definition: Adam Smith, Alfred Marshall, Lionel Robbins and Samuelson approaches – Nature and scope of Economics -Micro and Macro Economics – Basic Concepts and types of Goods and Utility

Unit II - Cardinal Utility Analysis   **15 hrs**

Meaning of Cardinal Utility – Human Wants and Utility– Law of Diminishing Marginal utility– Law of Equi-Marginal Utility- Law of Demand – Illustration, Assumptions and determinants of Demand – Elasticity of Demand – Meaning, Types and Measurement –Consumer Surplus

Unit III - Ordinal Utility Analysis   **15 hrs**

Meaning of Ordinal Utility – Indifference Curves – Properties – Diminishing Marginal Rate of Substitution– Consumer's Equilibrium – Price Effect, Income Effect and Substitution Effect

Unit IV - Factors of Production   **15 hrs**

Meaning and Features: Land, Labour, Capital and Organisation – Production Function: Law of Variable Proportions and Laws of Returns to Scale – Economies and Diseconomies of Scale

Unit V - Cost and Revenue Analysis   **15 hrs**

Cost Concepts – Short Run and Long Run Cost Curves - Concepts of Revenue – Revenue in different market conditions

Text Book: Pazhani, Micro Economics, 4thEdition, J.P.Publishers, Nagarcoil, 2019.

Books for Reference:

1. Maria John Kennedy, Microeconomics Theory, 3rd Edition, Prentice Hall Pvt Ltd, 2011.
2. Dominick Salvatore – Principles of Micro Economics, 5th Edition, Oxford University Press, New Delhi, 2009.
3. M.L.Seth, Micro Economics, 7thRevised Edition, Lakshmi Narain Agarwal Educational Publishers, Agra, Publication, 2001.
4. M.L.Jhingan, Micro Economic Theory, 7th Edition, Vrinda Publications, Delhi, 1998.
5. S.Sankaran - Economic Analysis, 3rd Edition, Margham Publications, Madras, 1991.

Course Outcomes

CO. No	Upon completion of this course, students will be able to	PSO's addressed	CL
CO 1	Describe and illustrate basic concepts such as Nature, Scope and Subject matter of Economics, The basics of Micro Economics and Macro Economics.	2, 4	Un
CO 2	identify and apply the important concepts and terminologies such as Utility analysis, law of demand and consumer surplus.	1,6	Ap
CO 3	To understand the application of indifference curves and describe consumer equilibrium with the help of law of equi-marginal utility.	4	Cr

CO 4	analyse the operation of the law of variable proportions and identify the three stages of production	6		Ap
CO 5	state the concept of total product, average product and marginal product; explain the nature and relationship of total, average and marginal product curves;	2, 1		Cr
CO 6	Describe the basic economic analysis and laws of production and consumer behaviour	7		An

21UECC11 - Micro Economics – I

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	2	3	3	3	3	3	3	3	2.8	3	3	2	3	3	3	2	3	2.8
CO-2	2	3	3	3	3	3	2	3	2.8	3	3	2	3	3	3	2	3	2.8
CO-3	2	3	3	3	3	2	2	2	2.5	3	3	3	3	3	3	3	3	3
CO-4	2	3	3	2	3	2	2	3	2.3	2	3	2	3	2	3	3	3	2.6
CO-5	3	3	3	3	3	3	2	2	2.8	3	3	3	2	3	3	3	3	2.8
CO-6	3	3	3	3	3	2	2	3	2.8	3	3	3	3	3	3	3	3	3
Average	2.3	3	3	2.8	3	2.5	2	2.6		2.8	3	2.3	3	2.8	3	2.6	3	
PO Mean									2.6	PSO Mean								2.8
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester- I
CORE II - Indian Economy – I

Course Code: 21UECC12	Hours / week :5	Hrs / Semester: 75	Credits :4

Objectives:

- Develop an in-depth understanding of the Indian economy.
- Understanding and analysing Indian Economic Issues, developments and policies.
- Able to understand the basic Indian Economic problems.

UNIT-I: Economic Development since Independence   15 hrs
Meaning of Economic Development - Determinants of Development, Indian Economy since Independence – Features of Indian Economy

UNIT-II: Resources and Development   15 hrs
Natural Resources: Land, Water, Forest, Mineral and Energy Resources- Natural resources and Economic Development

UNIT-III: Basic Problems of Indian Economy   15 hrs

Poverty: Meaning, Causes, Remedial Measures – Unemployment: Meaning, Causes and Remedial Measures-Deficit Balance of Payment- Inflation

UNIT-IV: Human Resources   15 hrs
Demographic features –Demographic Transition-Causes and measures of controlling population. Human Development Index (HDI) – Meaning and measurement.

UNIT-V: Agriculture   15 hrs

Agriculture – Role in the National Economy – Crop pattern – Causes for low productivity – Green Revolution- Later developments - Rural development Subsidy

Text Book:
Ruddar Datt and K.P.M Sundharam, *Indian Economy*, New Delhi, Sultan Chand, 60th Edition, 2009.

Books for Reference:
1. Dr. D. Amutha, *Indian Economy*, New Delhi – 110053, Manglam publications, First Edition, 2022.
2. Dr. D. Rathi, *Indian Economy,* Bangalore, Archers & Elevators Publishing House, First Edition, 2017.
3. Uma Kapila, *Indian Economy*, New Delhi, Academic Foundation, 9th Edition, 2010.

4. Ishwar. C. Dhingra. *The Indian Economy*, New Delhi, Sultan Chand, 21ˢᵗ Edition, 2009.
5. Mishra & Puri- *Economics of Development and Planning*, Mumbai, Himalaya Publications, 7th Edition, 2005.

Course Outcomes:

CO No.	Upon completion of this course, students will be able to	PSO's addressed	CL
CO - 1	understand the various aspects of India's economy	2, 4, 7	Un
CO - 2	develop ideas of the basic characteristics of Indian economy and its potential on natural resources.	4	Ev
CO - 3	provide an analytical discussion of various sectoral issues relating to Indian economy	1	An
CO - 4	acquire knowledge on the history, recent developments, and impending challenges of Indian Economy	5,7	Un
CO - 5	develop a perspective on the different problems and approaches to economic planning and development in India	3,7	An
CO - 6	understand the role of the Indian Economy in the global context, and examine how different factors have affected the process of development.	2,4, 5	Un
CO - 7	understand the economic problems and measures in their contextual perspective.	4 ,7	Un
CO - 8	understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.	4	Un

21UECC12 Indian Economy – I

| CO | PO | | | | | | | | | PSO | | | | | | | | |
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	2	2	2	3	3	3	2	3	2.5	3	3	3	2	3	3	3	3	2.9
CO-2	3	3	2	2	2	3	3	2	2.5	2	3	3	2	3	3	3	3	2.7
CO-3	2	2	3	3	2	3	3	2	2.5	3	3	3	3	2	3	3	2	2.7
CO-4	3	2	2	2	3	2	2	3	2.3	3	3	3	3	3	2	3	3	2.9
CO-5	3	3	2	3	2	3	3	2	2.6	3	3	3	3	2	3	2	2	2.6
CO-6	3	3	2	2	2	2	2	3	2.3	2	3	3	3	3	2	3	3	2.7
Average	**2.7**	**2.5**	**2.3**	**2.5**	**2.3**	**2.7**	**2.5**	**2.5**		**2**	**2.4**	**2.4**	**2.2**	**1.9**	**2**	**2**	**2.5**	
PO Mean									**2.5**	PSO Mean								**2.7**
Strength of PO Correlation			Strong							Strength of PSO Correlation						Strong		

SEMESTER- I			
ALLIED I	STATISTICS –I		
Code:21UECA11	Hours / week :4	Hrs / Semester: 60	Credits :4

Objectives:

- Introduce students to basic statistical tools and techniques
- To apply statistical tools for economic problems.
- To make the students understand the significance of Statistics and to develop their research skills.

UNIT I- INTRODUCTION   **10 Hrs**

Definitions of Statistics – Meaning – Scope – Functions - Importance– Limitations

UNIT II - STATISTICAL INVESTIGATION & SAMPLING   **10 Hrs**

Sources of data – Methods of collecting primary and secondary data – Questionnaire– Census and Sampling: Methods of sampling

UNIT III - STATISTICAL PRESENTATION   **15 Hrs**

Classification: Types - Tabulation: Rules, Parts of tabulation and Types of tables, Presentation of statistical data: Bar diagrams, Pie diagram-Graphs: Histogram, Frequency Polygon, Frequency Curve and Ogive Curves

UNIT IV- MEASURES OF CENTRAL TENDENCIES   **10Hrs**

Measures of Central Tendency: Meaning –Properties- Mean, Median, Mode, Geometric Mean and Harmonic Mean- Merits and Demerits

UNIT V-MEASURES OF DISPERSION   **15 Hrs**

Measures of Dispersion: Meaning - Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Coefficient of variation, Lorenz Curve

Text Book: R.S.N. Pillai & Bhagavathi, Statistics: Theory and Practice, 7th Revised Edition, S. Chand, New Delhi, 2008.

Reference Books:

1. A.M. Gun, M.K.Gupta & B.Dasgupta, Fundamentals of Statistics, 9th Reprinted Edition, The World Press Pvt. Ltd., Kolkata, 2019.
2. S .P.Gupta, Elementary Statistical Methods, 18th Revised Edition, Sultan Chand & Sons, New Delhi, 2017.
3. S. P.Gupta, Statistical Methods, 42nd Revised Edition, Sultan Chand & Sons, New Delhi, 2012.

Course Outcomes:

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	Describe and discuss the key terminology, concepts tools and techniques used in statistics. Discuss critically the uses and limitations of statistics.	1	Un
CO 2	Gain knowledge on Organize, manage and present data. Outline the distinct method of using raw data in the form of frequency distribution	1,2	Ev
CO 3	Introduces students to the concepts and techniques of presentation and summarisation of data. It introduces students to basics of sampling and statistical inference	4	An
CO 4	Analyse statistical data using measures of central tendency. Apply knowledge of statistical measures such as Mean, Median and Mode for analysis and interpretation of data.	2,4	Un
CO 5	Analyse statistical data using measures of dispersion and location. Analyse the different measures of dispersion that are useful in the field of psychology and education	1,6	An
CO 6	Develop skills and knowledge to apply different types of data through graphs for analysing different descriptive measures.	4, 5	Cr

21UECA11   Statistics –I

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	2	3	3	3	2	3	**2.7**	3	3	2	3	3	3	2	3	**2.7**
CO-2	3	3	2	3	3	2	2	3	**2.6**	3	3	2	3	3	3	2	3	**2.7**
CO-3	3	3	3	2	3	3	2	2	**2.6**	3	3	2	3	3	3	2	3	**2.7**
CO-4	3	3	2	3	3	2	2	2	**2.5**	3	2	3	3	3	3	2	2	**2.6**
CO-5	3	3	2	3	2	3	2	3	**2.6**	3	3	3	2	3	3	2	3	**2.7**
CO-6	3	3	3	2	2	2	2	3	**2.5**	3	3	3	3	3	3	2	3	**2.8**
Average	**3**	**3**	**2.3**	**2.6**	**2.8**	**2.5**	**2**	**2.6**		**3**	**2.8**	**2.5**	**2.8**	**3**	**3**	**2**	**2.8**	
PO Mean							**2.5**			PSO Mean								**2.7**
Strength of PO Correlation							Strong			Strength of PSO Correlation								Strong

SEMESTER- I			
ALLIED I	GENERAL ECONOMICS – I (I HISTORY)		
Code: 21UHIA11	Hours / week :4	Hrs / Semester: 60	Credits :4

Objectives:

- To understand the various definition of economics and scope of economics.
- To introduce students to basic economics concepts and theories.
- To understand the basic concepts of national income.

UNIT I - INTRODUCTION 10 Hrs

Definitions – Wealth, welfare and scarcity - Scope of Economics – Divisions of Economics - Basic concepts –Utility, Goods, Market, and Wealth.

UNIT II - CONSUMPTION 10 Hrs

Human Wants, Law of Diminishing Marginal Utility — Consumer's Surplus- Law of Demand – Types, Exceptional demand

UNIT III - PRODUCTION 15 Hrs

Factors of Production – Land, Labour, Capital, Organisation- features- Division of Labour – Localization- Merits and Demerits - Theories of Population – Malthusian Theory – Optimum Theory

UNIT IV - DISTRIBUTION 15 Hrs

General Theory of Distribution – Theories of Rent – Ricardian Theory – Modern Theory of Rent - Interest – Liquidity Preference Theory - Profit – Schumpeter's Innovation Theory – Theories of Risk and Uncertainty

UNIT V - NATIONAL INCOME 10 Hrs

Meaning of Macro Economics – Difference between Macro and Micro Economics – National Income- Concept –Meaning – Personal Income, Gross Domestic Product (GDP) – Gross National Production (GNP) and Net National Product (NNP) – Methods of National Income Estimation – Difficulties of Estimation

Text Book: M.L.Seth, Micro Economics, 17th Revised Edition, Lakshmi Narayan Agarwal, Educational Publishers Agra, 2001.

Reference Books:

1. Dr.Pazhani, Micro Economics, 4th Edition, J P Publishers, Nagercoil, 2019
2. H.L.Ahuja, Modern Micro Economics: Theory and Applications, 19th Edition, S. Chand & Company Ltd, New Delhi, 2017.
3. N. Gregory Mankiw, Principles of Economics, 7th Edition, Cengage Learning India PVT. Ltd, New Delhi, 2015.

Course Outcomes:

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	To learn and understand Economics with the help of various definitions	2	Un
CO 2	Get an introduction to supply and demand and determine equilibrium in a market economy. To familiarize the students with the basic concept of economics	2,5	Ev
CO 3	Students will understand general economic concepts such as supply & demand, Utility etc. Demonstrate the measurement of utility or satisfaction and its relationship to the law of demand	1,4	Un
CO 4	Identify the factors of production and production possibilities. Define the term "production" and explain what a production function is; define the term "production inputs," and differentiate between labour, land, capital, entrepreneurship, technology	1,2	An
CO 5	Describe the incomes earned by the factors of production (land, labour, capital, entrepreneurship) wages, interest, rents, and profit	1,2	Un
CO 6	Defines concepts related to national income. Compares calculation methods of national income. To apply the circular flow of income and expenditure	1	An

21UHIA11- General Economics – I

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	2	1	3	1	2	**2.3**	3	3	3	3	1	2	1	2	**2.3**
CO-2	3	3	2	1	3	2.5	2	3	**2.1**	3	3	2	3	3	3	2	1	**2.5**
CO-3	3	2.5	3	3	2	3	2.5	3	**2.8**	3	3	3	3	2.5	2	3	2	**2.7**
CO-4	3	3	3	3	3	2.5	2	2.5	**2.8**	3	3	2	3	2.5	3	2	2	**2.6**
CO-5	3	3	2.5	2	3	3	2	3	**2.7**	3	3	2	3	3	2.5	2	3	**2.7**
CO-6	3	3	2.5	3	3	3	3	1	**2.7**	3	3	2	3	3	3	3	3	**2.9**
Average	**3**	**2.9**	**2.7**	**2.3**	**2.5**	**2.8**	**2.1**	**2.4**		**3**	**3**	**2.3**	**3**	**2.5**	**2.6**	**2.2**	**2.2**	
PO Mean									**2.6**	PSO Mean								**2.6**
Strength of PO Correlation				Strong						Strength of PSO Correlation				Strong				

SEMESTER- II			
CORE III	**MICRO ECONOMICS -II**		
Code: 21UECC21	**Hours / week :5**	**Hrs / Semester: 75**	**Credits :4**

Objectives:

- To understand the behaviour of a consumer, a producer, a factor owner.
- To understand the market structure.
- An Enhance decision making abilities among students to enable them to become productiveand informed citizens.

UNIT I -MARKET STRUCTURE   **15 Hrs**

Time Element -– Equilibrium of the Firm and Industry – Perfect Competition – Price Output Determination

UNIT II- MONOPOLY AND MONOPOLISTIC MARKETS   **15 Hrs**

Meaning and features: Monopoly, Discriminating Monopoly and Price – Output Determination–Meaning and features of Monopolistic Competition – oligopoly & duopoly

UNIT III- FACTOR PRICING I   **15 Hrs**

Theories of Distribution - Wages: Meaning and Types of Wages – Theories of Wages: Subsistence Theory and Wage Fund Theory

UNIT IV - FACTOR PRICING II   **15 Hrs**

Concept of Rent – Ricardian Theory of Rent, Quasi Rent, Modern Theory of Rent – Concept of Interest: Classical Theory, Loanable Funds Theory and Keynes' Liquidity Preference Theory.

UNIT V- FACTOR PRICING III   **15 Hrs**

Concept of Profit – Gross Profit and Net Profit – Theories of Profit: Dynamic Theory, Innovation Theory and Uncertainty Bearing Theory.

Text Book: H.L.Ahuja, Modern Micro Economics, 19th Edition, S.Chand &Co Ltd, New Delhi, 2017.

Books for Reference:

1. Robert Pindyck & Daniel Rubinfeld, Micro Economics, 8th Edition, Pearson Education, U.K, 2017.
2. M.L.Jhingan, Micro Economic Theory, 7th Edition, Vrinda Publications, Delhi, 2014.
3. Dominick Salvatore**,** Principles of Micro Economics, 5thEdition, Oxford University Press,New Delhi, 2009.

4. S. Devairakkam, Micro Economics, 2nd Edition, D.S. R. Publications, Tirunelveli, 2001.
5. M.L.Seth, Micro Economics, 7th Revised Edition, Lakshmi Narain Agarwal Publication, 2001.

Course Outcomes:

CO. No	Upon completion of this course, students will be able to	PSO's addressed	CL
CO 1	Identify and appraise various models of how markets are organized, and the price and output decisions for maximizing profit. Understand the difference between the firm and the industry; explain and illustrate the differences between the demand curve for a perfectly competitive firm and that for a perfectly competitive industry	1, 2	Ap
CO 2	Describe characteristics of monopolies and a monopolistically competitive industry. Calculate and graph a monopoly's and monopolistic firm's costs, revenues, profit and losses	2,4	Un
CO 3	Design and develop an appropriate wage structure for a firm	1,6	An
CO 4	To make the student understand different types of market and levels of competition prevailing in the market.	1,2	Un
CO 5	Analyse the relationship between inputs used in production and the resulting outputs and costs	1,5	Ev
CO 6	To have a better awareness regarding different Factor Pricing Rent, Wages, Interest, Profit.	6,8	Un

21UECC21 Micro Economics -II

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	2	3	3	3	3	3	2	3	2.7	3	3	2	3	3	3	2	3	2.7
CO-2	3	3	3	3	3	3	2	3	2.9	3	3	2	3	3	3	2	3	2.7
CO-3	2	3	3	3	3	2	2	3	2.6	3	2	2	3	3	3	2	3	2.6
CO-4	2	3	3	3	3	2	2	3	2.6	3	3	3	3	3	3	2	3	2.9
CO-5	3	3	3	3	3	2	2	3	2.7	3	3	2	3	3	3	2	3	2.7
CO-6	2	3	3	3	3	2	2	3	2.6	3	3	3	3	3	3	2	3	2.9
Average	2.3	3	3	3	3	2.3	2	3		3	2.8	2.3	3	3	3	2	3	
PO Mean									2.7	PSO Mean								2.7
Strength of PO Correlation			Strong							Strength of PSO Correlation					Strong			

Semester- II
CORE II - Indian Economy – II

Course Code: 21UECC22	Hours / week :5	Hrs / Semester: 75	Credits :4

Objectives:

- Develop an in-depth understanding of the Indian economy
- Understanding and analysing Indian Economic Issues, developments and policies.
- To enable students to have an understanding on the various issues of the Indian economy

UNIT I- INDUSTRIES   **15 Hrs**

Role of Industries in Economic Development - Cottage, Small Scale, MSME and Large-Scale Industries (Cotton, Iron & Steel and Cement) Industrial Policy-1991, 2001 & 2011

UNIT II- PLANNING   **15 Hrs**

Definition and Scope of Planning-Objectives of Planning in India-A brief resume of Five -year Plans in India – Recent Five- year Plan-Recent developments

UNIT III- TRANSPORT   **15 Hrs**

Types of Transport - Importance (Railway, Roadways, Shipping and Civil Aviation

UNIT IV FOREIGN TRADE   **15 Hrs**

Importance of Foreign Trade in Economic Development, Balance of Payments – Recent EXIM Policy- WTO and Indian Economy- Government Financial Support for foreign trade-FDI

UNIT V- IT & ITES IN INDIA   **15 Hrs**

Meaning – Structure – Role and Importance of IT & ITES in India- Recent Developments

Text Book: Ruddar Datt and Sundharam K.P.M., Indian Economy, 51st Revised Edition, Sultan Chand, New Delhi, 2018.

Books for Reference:

1. Uma Kapila, Indian Economy, 20th Edition, Published by Academic Foundation, New Delhi, 2019.

2. Ishwar.C.Dhingra -Indian Economy, 21st Edition , Manakin Press Pvt. Ltd, New Delhi, 2018.

3. Mishra &Puri - Economics of Development and Planning, 7th edition Himalaya Publication, Mumbai, 2005.

4. Meier, G.M. Leading Issues in Economic Development, 6th edition, O U P, New Delhi, 1995.

Course Outcomes:

CO No.	Upon completion of this course, students will be able to	PSO Addressed	C L
CO 1	To comprehend the significance, policies and growth of the industrial sector in India.	2,5	Re
CO 2	To enable the students to understand the challenges faced by the Micro, Small and Medium Enterprises.	4,8	Un
CO 3	Providing a solid introduction to transportation demand and various types or modes of transportation.	1,6	Ev
CO 4	To facilitate an understanding of the Balance of Payments. Explain the Foreign Direct Investment and Foreign Portfolio Investment. Evaluate WTO	1,2	An
CO 5	Students will be able to understand how planning can develop an economy. Evaluation of five -year plans.	4, 5,7	Un
CO 6	Students will get knowledge about IT and ITES in India.	1, 2	Ap

21UECC22   Indian Economy – II

C O	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	2	3	2	3	3	2	3	2.5	3	3	2	3	2	3	3	3	2.7
CO-2	2	3	3	3	3	2	3	2	2.6	2	2	3	2	3	3	3	3	2.6
CO-3	3	3	3	3	2	3	2	3	2.6	3	2	3	3	2	3	2	2	2.5
CO-4	3	3	3	2	2	2	3	3	2.6	3	3	2	2	3	3	2	2	2.5
CO-5	2	2	3	3	3	3	3	3	2.7	3	3	3	2	3	3	3	2	2.7
CO-6	2	3	3	3	2	3	2	3	2.6	3	3	3	2	3	2	3	2	2.6
Average	2.5	2.5	3	2.7	2.5	2.7	2.5	2.8		2.8	2.7	2.7	2.3	2.7	2.8	2.7	2.5	
PO Mean				2.6						PSO Mean				2.6				
Strength of PO Correlation				Strong						Strength of PSO Correlation				Strong				

SEMESTER- II			
ALLIED II	STATISTICS II		
ALLIED: 21UECA22	HOURS / WEEK: 4	HRS / SEM: 60	CREDITS :4

Objectives:
- To provide an understanding on statistical concepts.
- To develop critical and quantitative thinking skills specific to statistics.
- To train students intensively in both theoretical and practical aspects of statistics
- To create a problem-solving attitude with the aid of statistical methodology.

UNIT – I CORRELATION   **10 Hrs**

Correlation: Types, Scatter diagram – Measurement: Karl Pearson   Co-efficient of Correlation, Spearman's Rank correlation and Concurrent Deviation

UNIT – II REGRESSION   **10 Hrs**

Regression - Meaning – Differences between Correlation and Regression - Regression lines – Regression equations - Regression Co-efficient

UNIT – III INDEX NUMBERS   **15 Hrs**

Definition, Types, Problems in the Construction of Index Numbers, Time and Factor Reversal Test, Fixed Base and Chain Base Index Numbers, Uses and limitations of Index Numbers.

UNIT - IV TIME SERIES   **10 Hrs**

Definition, Components of Time Series, Methods of measuring trend: Semi-Average, Moving Average and Method of Least Squares

UNIT - V PROBABILITY AND THEORY OF DISTRIBUTION   **15 Hrs**

Definition, Meaning, Concepts, Addition and Multiplication Theorems of probability-Theory of Distribution: Binomial, Poisson and Normal Distributions: Properties only.

Text Book: R.S.N. Pillai & Bhagavathi, Statistics: Theory and Practice, 8th Edition, S. Chand, New   Delhi, 2019

Reference Books:

1. Dr.S. P.Gupta, Statistical Methods, 46th Edition, Sultan Chand & Sons, New Delhi, 2021.
2. Mario F. Triola, Elementary Statistical Methods, 13th Edition, Pearson Publications, New Delhi, 2017
3. Freedman, Purves & Pisani, Statistics, 4th Edition, Viva Books Pvt. Ltd., Kerala, 2011.

Course Outcomes:

CO. No	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	Explain concept of correlation, analyze and interpret covariance and correlation coefficient, illustrate ordinary least squares and use it to estimate regression coefficient. Find the inter-relation between two or more phenomena with the help of curve fitting and correlation-regression analysis.	4	Un
CO 2	To introduce the fundamental concepts of statistical modelling, particularly linear regression models.	1,2	Ap
CO 3	Describe the components of time series, apply time series analysis in business scenarios, illustrate the different types of index numbers, and calculate index numbers.	1	An, Ev
CO 4	Apply the statistical tools in business, economic and commercial areas with the help of time series, index numbers, etc	1,5	An
CO 5	To provide essential knowledge of the theory and key properties of probability and random variables, and the application of these concepts in practical situations.	2,4,5	Un, An
CO 6	Made a bridge between the elementary statistical tools and probability theory	1,2	Re

21UECA21   Statistics –II

CO	PO										PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg		PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	2	3	2	3	3	3	2.8		3	2	2	3	2	2	3	2	2.4
CO-2	3	3	2	3	2	3	2	3	2.6		3	3	2	3	2	2	2	3	2.5
CO-3	3	3	2	2	2	3	2	3	2.5		3	3	2	3	2	2	2	3	2.5
CO-4	3	3	2	2	2	2	2	3	2.4		3	3	2	3	2	2	2	3	2.5
CO-5	3	2	2	2	2	2	3	2	2.3		3	3	3	2	2	2	3	2	2.5
CO-6	3	3	2	2	2	2	3	3	2.5		3	3	3	2	2	2	3	2	2.5
Average	3	2.8	2	2.3	2	2.5	2.5	2.8			3	2.8	2.3	2.7	2.2	2	2.5	2.5	

PO Mean	2.5	PSO Mean	2.5
Strength of PO Correlation	Strong	Strength of PSO Correlation	Strong

SEMESTER- II			
ALLIED II	**GENERAL ECONOMICS – II (I HISTORY)**		
Code: 21UHIA22	**Hours / week :4**	**Hrs / Semester: 60**	**Credits :4**

Objectives:

- To develop an in-depth understanding of the concepts of Economics
- Understand and promote financial thinking skills.
- Boost decision making abilities among students to empower them to become business citizens.

UNIT I - EMPLOYMENT   **10 Hrs**

Meaning of Full Employment – Types of Unemployment – Seasonal, Frictional, Technological, Structural, Voluntary and Involuntary, Cyclical and Disguised Unemployment

UNIT II - MONEY   **15 Hrs**

Barter – Meaning and Difficulties – Money - - Evolution, Kinds & Functions of Money-Monometallism – Bimetallism: Merits and demerits – Paper Currency Standard – Systems of note issue

UNIT III - BANKING   **10 Hrs**

Evolution of banks – Kinds of Banks – Functions Commercial Bank - Functions of a Central Bank

Practical: To Open an account, to cross the Cheque and to fill up demand draft form.

UNIT IV - INTERNATIONAL TRADE &BALANCE OF PAYMENT   **10 Hrs**

International Trade – Benefits – Difference between International Trade and Internal Trade – Free Trade and Protection – Advantages and Disadvantages

Balance of Payment and Balance of Trade – Structure – Causes of Disequilibrium Balance of payment – Methods of correcting disequilibrium

UNIT V - PUBLIC FINANCE   **15 Hrs**

Meaning and Importance of Public Finance –Public Expenditure –– Causes for the recent Growth of Public Expenditure- Public Revenue, Sources of Revenue – Public debt, classification of public debt-effects- Methods of debt Redemption

Text Books: Dr. Maria John Kennedy, Macro Economic Theory, 3rd Edition, Prentice Hall Pvt Ltd, New Delhi, 2011

Reference Books:

1. M. L. Jhingan, Macro Economic Theory, 13th Edition, Vrinda Publication Pvt. Ltd, Delhi, 2016.
2. Ackley, Macro Economics: Theory and Policies, 10th Edition, Pearson Education, India, 2013.
3. M. C. Vaish, Monetary Theory, 16th Edition, Vikas Publishing House Pvt. Ltd, Chennai, 2005.
4. Dr. H.L. Bhatia, Public Finance, 30th Edition, S. Chand Publication, 2000.

Course Outcome:

CO No.	Upon completion of this course, students will be able to	PSO Addressed	CL
CO 1	Students will get exposed to different types of employment and analysis of labour markets	4,7	Un
CO 2	To provide the students with an introduction to understand the concept of money, theories of money supply and money demand	2	Ev
CO 3	Provide the students with a thorough understanding of the importance of money and banking in various economies. It provides an insight into the Banking system	1,4	Un
CO 4	Identify the basic difference between inter-regional and international trade	2	An
CO 5	Show the importance of maintaining equilibrium in the balance of payments and suggests suitable measures to correct disequilibrium as well	1,2	Un
CO 6	Understand the sources of finance both public and private, understand government expenditures and the causes of growing public expenditures	4,6	An

21UHIA22- General Economics – II

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	2.5	2	3	1	2	**2.4**	3	3	2	3	2	2	3	3	**2.6**
CO-2	3	3	2	2	3	2.5	2	1	**2.3**	3	3	2.5	2	2	2	2.5	3	**2.5**
CO-3	3	3	3	3	2	1	2	3	**2.5**	3	3	3	3	3	2	1	2	**2.5**
CO-4	3	3	3	3	3	2	2.5	3	**2.8**	3	3	2	3	2.5	3	2	1	**2.4**
CO-5	3	3	2.5	2	3	3	2.5	2	**2.6**	3	3	2	3	3	3	2	2.5	**2.7**
CO-6	3	3	3	2.5	2	3	3	3	**2.8**	3	3	3	3	2.5	3	3	3	**2.9**
Average	3	3	2.8	2.5	2.5	2.4	2.2	2.3		3	3	2.5	2.8	2.5	2.5	2.5	2.5	
PO Mean									**2.6**	PSO Mean								**2.6**
Strength of PO Correlation				Strong						Strength of PSO Correlation					Strong			

SEMESTER- III			
Core – V	**MACRO ECONOMICS – I**		
Course Code: 21UECC31	**Hours / week :6**	**Hrs / Sem.: 90**	**Credits :6**

Objectives:

- To develop the understanding of basic Macro concepts
- To promote critical thinking skills and to analyse impacts of policy actions and to evaluatethe advantages and disadvantages of different policies.

UNIT I - Nature and Scope of Macro Economics**20 Hrs**

Macro Economics – Meaning - Definition - Importance and limitations – National Income – Concepts – Methods of measuring national income – Difficulties- Importance of National IncomeAnalysis – National Income Accounting – Circular flow of Income in two, three and four sector Models.

UNIT II - Classical Theory of Employment**20 Hrs**

Classical Theory of Employment – Say's Law of Market – Fisher's Quantity theory- JohnMaynard Keynes' criticism of classical theory

UNIT III - Keynesian Theory of Employment**15 Hrs**

Keynesian theory of Employment and Output – Aggregate Demand & Aggregate Supply –Effective Demand - comparison and contrast between Classical and Keynesian contributions

UNIT IV - Consumption Function**15 Hrs**

Consumption Function – Meaning – Definition - Attributes – Keynesian ConsumptionFunction – Factors stimulating and influencing Consumption function.

UNIT V - Inflation and Unemployment**15 Hrs**

Inflation – Meaning –Types-Causes -Measures to control Inflation –Deflation and Stagflation – Meaning – Unemployment: Meaning –Types- Employment guarantee programmes.

Text Book:

M.Maria John Kennedy. *Macro Economics*. New Delhi: PHI Learning PVT Ltd. 1st edition 2011

Books for Reference:

1. Dr.D. Amutha. *Fundamentals of Macroeconomics*. New Delhi: Manglam publications. 1ˢᵗedition 2019.
2. Jhingan, M. L. *Macroeconomic Theory*. New Delhi: Vrinda Publications (P) Ltd. 13ᵗʰedition 2016.
3. Edward Shapiro. *Macroeconomic Analysis*. New Delhi: Galgotia Publications. 5ᵗʰ edition2013.
4. Ahuja, H. L. *Macro Economics Theory & Policy*. New Delhi: S. Chand & Company Ltd.19ᵗʰ edition 2013.
5. *R. Cauvery, Dr.U.K.Sudha Nayak, Dr.M. Girija & Dr. R. Meenakshi. Macro Economics.*
   New Delhi: S.Chand& Company Ltd. 3ʳᵈ edition 2002.

Course Outcomes

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	Understand the concepts of Macro Economics and its interrelations with Microeconomics	2, 4	Un
CO 2	Compares calculation methods of national income	1, 4,6	Ap
CO 3	Describe the relationships among GDP, net domestic product, national income, personal income and disposable income	1, 2,4, 6	Ev
CO 4	Categorizes unemployment by types	4,7	Un
CO 5	Identify the strengths and weaknesses of the Keynesian and classical model.	2, 4, 5,6	Cr
CO 6	Construct and graph the consumption function	4,6	Un

21UECC31   Macro Economics – I

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	2	2	2	3	2	2	**2.4**	3	3	2	2	2	2	2	3	**2.4**
CO-2	3	3	2	2	3	3	2	2	**2.5**	3	3	3	2	2	3	3	2	**2.7**
CO-3	3	2	2	2	3	2	2	2	**2.3**	2	3	2	2	2	3	2	2	**2.3**
CO-4	2	2	3	2	2	3	2	3	**2.4**	2	2	3	2	2	3	2	3	**2.4**
CO-5	2	2	3	2	2	2	3	2	**2.3**	2	2	2	3	2	2	2	3	**2.3**
CO-6	3	2	2	3	3	2	2	3	**2.5**	2	3	2	2	3	3	2	2	**2.4**
Average	**2.7**	**2.4**	**2.4**	**2.2**	**2.5**	**2.5**	**2.2**	**2.4**		**2.4**	**2.7**	**2.4**	**2.2**	**2.2**	**2.7**	**2.2**	**2.5**	

PO Mean		**2.5**	PSO Mean		**2.5**
Strength of PO Correlation		Strong	Strength of PSO Correlation		Strong

SEMESTER- III			
Allied -III	**MATHEMATICAL METHODS**- I		
Course Code: 21UECA31	**Hours / week :4**	**Hrs / Sem.: 60**	**Credits :4**

Objectives:

- To develop the technical skills of students and faculty, together engaging inresearch, teaching, and learning
- To get an advanced knowledge in diverse areas of mathematics
- To discover, mentor, and nurture mathematically inclined students, and provide them asupportive environment that fosters intellectual growth.

UNIT I - Set Theory   **10 Hrs**

Meaning of Mathematical Methods in Economics-Importance - Functions and their Properties- Notations of Set - Types of set - Venn diagram - Laws of Set - Operations in Set -Application in Economics.

UNIT II- Straight Line   **15 Hrs**

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

UNIT III – Differentiation   **15 Hrs**

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

UNIT IV- Application of Differentiation in Economics   **10 Hrs**

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

UNIT V- Integral Calculus and its Applications in Economics   **10 Hrs**

Rules of Integration – Definite& Indefinite integrals – Application in Economics – Total Revenue and Cost Concepts, Consumer's surplus and Producer's surplus.

Text Book:

Dr.M. Manoharan, Dr. C. Elango & Prof. K.L. Eswaran. *Business Mathematics.* Tamil Nadu:Palani Paramount Publications. 4th edition 2018

Books for Reference:

1. S.C. Aggarwal R.K.Rana& Leena Gupta. *Mathematics for Economists.* Haryana: V.K.GlobalPublications Pvt Ltd.1st edition 2022
2. Dr. R.Veerachamy. *Quantitative Methods for Economists*. New Delhi: New Age International (P) Ltd. 2nd edition 2018
3. M.B.K. Moorthy & A. Manikandan. *Advanced Mathematical Methods*. Chennai: Yes Dee Publishing Pvt Ltd. 1st edition 2017
4. Dr. S. Sivaiah. *Applied Mathematical Methods*. Chennai: Laxmi Publications. 2nd edition 2013
5. Bhaskar Dasgupta. *Applied Mathematical Methods*. Chennai: Pearson Education India.1st edition 2006

Course Outcomes

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	know and apply the skills of commercial arithmetic in business life.	1, 2,4, 5	Un
CO 2	apply the basic concepts of equations in economics.	1, 4,7	Ap
CO 3	acquire knowledge about the linkage between mathematical techniques and economics.	2, 6	Ap
CO 4	use knowledge of content and mathematical procedures to solve problems and make connections between the different areas of mathematics.	6, 7	Un
CO 5	Demonstrate the use of mathematical reasoning by justifying and generalizing patterns and Relationships	2, 3, 5	Un
CO 6	Explain and apply basic concepts of sets	1, 4	U

21UECA31 Mathematical Methods- I

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	2	2	3	1	1	**2.3**	3	3	3	3	3	2	1	1	**2.4**
CO-2	3	3	3	3	3	3	3	2.5	**2.8**	3	3	3	3	2.5	2	3	2	**2.7**
CO-3	3	3	3	2.5	3	3	1	2.5	**2.6**	3	3	3	3	3	3	2.5	3	**2.9**
CO-4	3	2.5	2	3	2.5	3	3	3	**2.8**	3	3	2	3	2	3	3	3	**2.8**
CO-5	3	3	3	3	3	3	2.5	2	**2.8**	3	3	3	2	3	3	2	3	**2.8**
CO-6	3	2.5	3	2	3	3	2.5	2	**2.4**	3	2.5	2	3	2	3	2	1	**2.3**
Average	**3**	**2.8**	**2.8**	**2.6**	**2.8**	**3**	**2.2**	**2.2**		**3**	**2.9**	**2.7**	**2.8**	**2.6**	**2.7**	**2.3**	**2.2**	
PO Mean									**2.6**	PSO Mean								**2.6**
Strength of PO Correlation			Strong							Strength of PSO Correlation				Strong				

SEMESTER- III			
Core Skill Based	**TOURISM ECONOMICS**- I		
Course Code: 21UECS31	**Hours / week :4**	**Hrs / Sem.: 60**	**Credits :4**

Objectives:

- To understand the impact and challenges in the tourism industry.
- Understand the importance of tourism in the service industry.
- Understand the place of tourism in the service industry.

UNIT I - Basic Concepts of Tourism 10 Hrs

Meaning- Definition - Concepts and Types of Tourism - Tourism and economic development - Importance of tourism - Sustainable Tourism

UNIT II - Tourism Product and Tourism Marketing 10 Hrs

Tourism products: Attractions, Availability, Accessibility and Amenities - Tourism Marketing – Various types of tourism marketing in India - Impact of Information Technologyin tourism development.

UNIT III - Tourism Services 10 Hrs

Hotels - Motels - Resorts - Boating Clubs - Conducted /Organized Tours - Package Tour - Insurance - Guides - Tour Operators - Tour Promoters - Medical Tourism and its importance.

UNIT IV - Performance of Tourism 15 Hrs

Tourism status in global and national -Socio, Economic, Cultural and Political Impacts of tourism development in India - Programmes in Tourism Development - Infrastructure Development Programme – Integrated Development of Tourism Circuits, Product infrastructure and Destination Development

UNIT V - Tourism Organizations 15 Hrs

Role and Functions: United Nations World Tourism Organizations (WTO), Pacific Asia Travel Association (PATA), World Tourism and Travel Council (WTTC), International Hotel Association (IHA), Ministry of Tourism, Government of India, Indian Tourism Development Corporation (ITDC) and Federation of Hotel and Restaurants Association of India (FHRAI)

Text Book: Sunetra Roday, Archana Biwal & Vandana Joshi. *Tourism: Operations andManagement*. USA: Oxford University Press. Illustrated edition 2009

Books for Reference:

1. D. Leslie & J. Holland. *Tour operators & Operations: Development, Management andResponsibility*. U.K: CABI Publishers. 1st edition 2017.
2. Geetanjali. *Tourism Policy and Planning*. Jaipur: ABD Publishers. 1st edition 2010.
3. Manish Ratti. *Tourism Planning and Development*. New Delhi: Rajat Publications. 1st edition, 2008.
4. R. Shantha Kumar,. *Facts on Tourism*. Chennai: Shantha Publishers. 1stedition 1996.

Course Outcomes

CO No.	Upon completion of this course, students will be able to	PSO's addressed	CL
CO 1	understand the nature of tourism and explore the reasons for the rapid growth of tourism.	2, 4, 7	Un
CO 2	assert and apply the method to develop an ideal itinerary and function of tour managers.	6, 7	Ap
CO 3	plan, lead and organize the effective and efficient operations through tourism formalities	6, 8	Cr
CO 4	view how the travel motivators promote social tourism, apply the concept to explore the demand, factors influencing tourism	4, 6, 7	Ap
CO 5	Better understanding of Travel and Tourism Industry	2	Un
CO 6	Understand the place of tourism in the service industry.	2,6	Un

21UECS31 Tourism Economics-I

CO	PO								Avg.	PSO								Avg.
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8		PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	
CO-1	2	3	3	2	2	2	3	3	2.5	3	3	2	2	3	3	2	2	2.5
CO-2	3	3	2	3	3	3	2	3	2.8	3	2	3	3	2	3	3	2	2.6
CO-3	2	2	3	2	3	3	3	2	2.5	2	3	2	3	3	3	2	3	2.6
CO-4	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3	3	2	2.6
CO-5	2	2	3	3	2	3	2	2	2.4	3	3	3	3	3	3	2	3	2.9
CO-6	3	2	3	3	2	3	3	2	2.6	3	2	3	2	3	3	3	3	2.8
Ave.	2.5	2.5	2.8	2.6	2.5	2.8	2.6	2.5		2.8	2.6	2.5	2.6	2.6	1.8	2.5	2.5	
PO Mean									2.6	PSO Mean								2.7
Strength of PO Correlation			Strong							Strength of PSO Correlation				Strong				

SEMESTER- IV			
Core – VI	**MACRO ECONOMICS – II**		
Course Code: 21UECC41	**Hours / week :6**	**Hrs / Sem.: 90**	**Credits :6**

Objectives:

- It also introduces the students to various theoretical issues related to an open economy.
- Understand the Fiscal policy operations, its tools, and its advantages and drawbacks.
- To enable the students to have basic knowledge on macro-economic theories and policies

UNIT I- Investment Function **15 Hrs**

Meaning – Definition – Induced and autonomous investment – Determinants of Investment – MEC and Rate of interest – Factors other than the Interest rate affecting Inducement to Invest

UNIT II - Multiplier and Accelerator **20 Hrs**

The concept of Multiplier – Employment and Investment Multiplier – Limitations and Importance of Multiplier - Leakages – Principles of Acceleration –Interaction between Multiplierand Accelerator (Super Multiplier).

UNIT III - General Equilibrium **20 Hrs**

General Equilibrium- Equilibrium of Commodity Market (IS) and Money Market (LM) – Simultaneous equilibrium of Commodity and Money Market (IS & LM) changes in General equilibrium (Shifts in IS and LM functions)

UNIT IV - Trade Cycle **15 Hrs**

Definition and Phases of Trade Cycle – Control of Trade Cycle – Monetary and Non-Monetary theories of Trade Cycle

UNIT V -Macro Economic Policies **20 Hrs**

Monetary Policy **-** Objectives – Instruments –Effectiveness of Monetary Policy **-** FiscalPolicy - Objectives - Instruments - Monetary and Fiscal Policy Mix

Text Book:

M.Maria John Kennedy. *Macro Economics*. New Delhi: PHI Learning PVT Ltd. 1ˢᵗ edition 2011.

Books for Reference:

1. Dr.D. Amutha. *Fundamentals of Macroeconomics*. New Delhi: Manglam publications. 1st edition 2019.
2. A.L. Ahuja. *Macro Economic Theory and Policy*. New Delhi: S. Chand & Company Ltd.20th edition 2019.
3. Hubbard R. Glenn &O'Brien Anthony P. U.K: Pearson Publications. 5th edition 2017.
4. Jhingan, M. L. *Macro Economic Theory*. New Delhi: Vrinda Publications (P) Ltd. 12th edition 2014.

Course Outcomes

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	know the multiplier and identify the leakages of multiplier	1, 2	Un
CO 2	understand the acceleration principles	2,4	Un
CO 3	Analyze different phases of trade cycle, demonstrate various trade cycle theories, understand the impact of cyclical fluctuation on the growth of business, and lay policies to control trade cycle.	2, 4, 6	An
CO 4	Describe the business cycle and its primary phases	2,4	Ev
CO 5	Compare and contrast the circumstances under which it makes sense to apply the Keynesian and Neoclassical perspectives	4,6, 7	Cr
CO 6	Describe the role of financial markets play in an economy.	4,5, 7	Ev

21UECC41 Macro Economics – II

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	2	3	2	2	2	3	2	**2.4**	3	2	2	3	2	2	3	2	**2.4**
CO-2	2	2	3	2	3	2	3	3	**2.5**	3	3	2	3	2	3	2	3	**2.7**
CO-3	2	2	3	2	2	2	2	2	**2.2**	2	3	2	3	2	3	2	2	**2.4**
CO-4	3	2	2	3	3	3	3	2	**2.7**	3	3	3	3	2	3	2	2	**2.7**
CO-5	3	2	3	2	2	2	2	3	**2.4**	2	3	3	3	2	2	3	2	**2.5**
CO-6	3	2	3	2	2	2	2	3	**2.4**	2	3	2	2	2	2	2	3	**2.3**
Average	**2.7**	**2**	**2.9**	**2.2**	**2.4**	**2.2**	**2.5**	**2.5**		**2.5**	**2.9**	**2.4**	**2.9**	**2**	**2.5**	**2.4**	**2.4**	
PO Mean			**2.5**							PSO Mean					**2.5**			
Strength of PO Correlation			Strong							Strength of PSO Correlation					Strong			

SEMESTER- IV			
Allied -IV	**MATHEMATICAL METHODS**- II		
Course Code: 21UECA41	**Hours / week :4**	**Hrs / Sem.: 60**	**Credits :4**

Objectives:

- To mould the students to acquire skills required for strengthening Mathematics.
- Provide platform to acquire abilities to evaluate problems using analytical/ numerical/graphical techniques.
- Provide a back ground for relating mathematical techniques to solve real life problems.

UNIT I - Ratio, Proportion, Relations and Functions   **10 Hrs**

Ratio – Proportion – Relations - Progression – Arithmetic progression – Geometric progression, Functions – types of functions – Application in Economics

UNIT II - Matrix – I   **10 Hrs**

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

UNIT III - Matrix – II   **15 Hrs**

Rank of matrix - trace of matrix - inverse: properties of inverse – solution to linear equations - Cramer's rule – Inverse method – Applications in Economics: input - output analysis (introduction and concepts alone)

UNIT IV- Linear Programming   **10 Hrs**

Meaning - Basic concepts – Graphical solution to linear programming problem (onlytwo variables) – Dual Method.

UNIT-V: Introduction to Game Theory   **15 Hrs**

Meaning – Concepts – Significance – Types: Pure and Mixed Strategy games – Applications and Limitations of game theory

Text Book:

Sundaresan V. and S.D. Jeyseelan. *An Introduction to Business Mathematics*. New Delhi:Sulthan chand (G/L) & Company Ltd. Revised edition 2018

Books for Reference:

1. T.R. Jain & SC. Aggarwal. *Mathematical Methods for Economic*s. Haryana:

   V.K.GlobalPublications Pvt., Ltd., India. 1st edition 2021

2. Dr. Dipjyoti Sarma & Romen Kalita. *Mathematical Methods*. Madhya

   Pradesh: MahaveerPublications. 1st edition 2020.

3. Alpha C. Chiang & Kevin Wainright. *Fundamental Methods of Mathematical Economics*.U.K: McGraw Hill Publications. 4th edition 2013.
4. D. Bose, *An Introduction to Mathematical Methods*. New Delhi: Himalaya PublishingHouse. 1st edition2007.

Course Outcomes

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	Understand the foundations of mathematics	1, 4	Un
CO 2	Use equations, formulae, and mathematical expressions and relationships in a variety of contexts.	1, 2,4,	Un
CO 3	Analyse and demonstrate mathematical skills required in mathematically intensive areas in Economics and business.	4,5,6	An
CO 4	Apply the knowledge in mathematics(Matrices, Calculus)in solving business problems.	4,7	Ap
CO 5	acquire an introduction to apply a range of mathematical techniques to economic problems.	1, 5,7	Ap
CO 6	acquire lifelong skills to understand current economics and to investigate economic models using mathematical techniques.	2, 4, 6, 7	Un, Ap

21UECA41- Mathematical Methods- II

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	2.5	3	2	3	3	1	1	**2.3**	3	3	3	3	3	1	2	3	**2.6**
CO-2	3	3	3	2	3	3	1	2	**2.5**	3	3	1	3	2	3	2.5	1	**2.3**
CO-3	3	2.5	3	1	3	3	2	3	**2.6**	3	2.5	3	3	3	3	3	2	**2.8**
CO-4	3	3	3	3	3	2.5	3	2	**2.8**	3	2.5	2	3	3	2	3	3	**2.7**
CO-5	3	3	2.5	2	3	3	3	3	**2.8**	3	3	2.5	2	3	2.5	3	3	**2.8**
CO-6	3	3	3	3	3	3	3	2.5	**2.9**	3	3	3	3	2	3	3	3	**2.9**
Average	**3**	**2.8**	**2.9**	**2.2**	**3**	**2.9**	**2.2**	**2.3**		**3**	**2.8**	**2.4**	**2.8**	**2.6**	**2.4**	**2.8**	**2.5**	
PO Mean									**2.6**	PSO Mean									**2.7**
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong			

SEMESTER- IV			
Core Skill Based	**TOURISM ECONOMICS**- II		
Course Code: 21UECS41	**Hours / week :4**	**Hrs / Sem.: 60**	**Credits :4**

Objectives:

- Learn about sustainable tourism development for inclusive economic development.
- Understand the importance of Tourism sector and having integrity to achieve economicdevelopment through tourism.

UNIT I - Travel Agency   **10 Hrs**

Travel Agents, Tour operators, Function of a travel agent – Travel information, Ticketing,Tour packages, and Type of Package, Tours and excursion -Travel agency commission How to set up a travel agency-Modern mobile application towards in Tourism.

UNIT II - Personality Developments Of Travel Agent, Tour Operator, Guide   **10 Hrs**

Introduction: Meaning of Personality, Personality Factors- external, internal. Effective or winning personality, developing a selling personality

UNIT III - Guiding Concept   **15 Hrs**

Meaning, Concepts &Types of Guides: Conceptual meaning of Tourist Guide, duties andresponsibilities. How guides are appointed in tour.

UNIT IV- Tourism Development   **10 Hrs**

Development of tourism in India - New Policy on Tourism Management strategy- Global and Indian status of Tourism Industry - International Agencies.

UNIT V- Indian Art & Architecture   **15 Hrs**

Indian Art and Sculptures, Archaeological sites – Monuments – Ancient Temples of India Forts - Palaces and Museums – Buddhist heritage sites of India, Islamic Art & Architecture -UNESCO, World Heritage Sites in India, conservation & Management.

Text Book:

A.K.Bhatia, Tourism Development-Principles & Practices, 4th Revised Edition,Sterling Publishers Pvt., Ltd, Uttar Pradesh, 2020.

Books for Reference:

1. S. Subramania Pillai. *Tourism in Tamil Nadu- Growth and Development*. India: MJPPublishers. 1st edition 2021.
2. Rajat Gupta, Nishant Singh, Ishita Kirar & Mahesh Kumar Bairwa.

Hospitality andTourism. New Delhi: Vikas Publishing House Pvt, Ltd. 1st edition 2015.

3. Satish Chandra Nigam,. *Eco Tourism and Sustainable Development.* New Delhi: RajatPublications. 1st edition 2008.
4. Biswanath Ghosh. *Tourism & Travel Management.* New Delhi: Vikas Publishing HousePvt, Ltd. 2nd edition 2000.

Course Outcomes

CO No.	Upon completion of this course, students will be able to	PSO's Addressed	CL
CO 1	identify and evaluate the elements of the tourism system and its interaction with the environment.	1, 2,4	Ev
CO 2	recognize and raise awareness for moral issues and dilemmas in tourism.	3, 4	An
CO 3	provide information about tour packages	2, 4,6	Un
CO 4	assert and apply the method to develop an ideal itinerary and function of tour managers.	1, 7	Ap
CO 5	understand the importance of transport and communication in travel tourism and hospitality industry.	2,4,5	Un
CO 6	create an awareness on the economic impact generated by tourism.	4, 7	Cr

21UECS41 Tourism Economics-II

CO	PO									PSO							
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg.	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg.
CO-1	3	2	3	3	3	2	2	3	2.6	3	2	3	3	3	3	3	2	2.8
CO-2	3	3	3	3	3	2	2	3	2.8	3	3	3	3	3	3	3	3	3
CO-3	2	3	2	3	3	3	3	3	2.8	3	3	3	3	3	3	3	3	3
CO-4	3	2	3	3	3	3	2	3	2.8	3	3	2	2	2	3	2	2	2.4
CO-5	3	3	3	3	2	3	3	3	2.9	2	3	3	3	3	3	3	3	2.9
CO-6	3	2	2	3	3	2	2	3	2.5	2	3	3	3	3	3	3	3	2.9
Average	**2.8**	**2.5**	**2.7**	**3**	**2.8**	**2.5**	**2.3**	**3**		**2.7**	**2.8**	**2.8**	**2.8**	**2.8**	**3**	**2.8**	**2.7**	

PO Mean							**2.7**	**PSO Mean**					**2.8**
Strength of PO Correlation			Strong			Strength of PSO Correlation			Strong				

SEMESTER-V			
Core VII	**Common Core- Human Resource Management**		
Course Code: 21UMCC51	**Hours / week :6**	**Hrs / Sem.: 90**	**Credits :3**

Objectives:

- To enable students to understand the basic concepts in HRM
- To familiarize students on the various aspects of HRM

UNIT I - Introduction   **15 Hrs**

 Human Resource Management: Meaning - Objectives - Nature and Scope - Importance – Functions and Problems of HRM - Personnel Management Vs. HRM – Skills and Qualities of HumanResource Managers.

Unit II - Human Resource Planning, Recruitment and Selection   **20 Hrs**

 Human Resource Planning: Meaning - Need and Importance - Objective - Problems process Recruitment: Meaning - Factors Influencing Recruitment - Sources of Recruitment – Internal and External - Problems in Recruitment – Selection: Meaning - Factors Affecting Selection Decisions - Selection Policy - Steps in Selection.

UNIT III - Training and Development   **20 Hrs**

 Training: Need and Importance - Objective - Types - Steps in Training Programme – Methods of Training - Evaluation of Training Programmes – Development: Meaning - Concept and Essentialsof Management Development Programmes.

UNIT IV - Transfer. Promotion & Compensation   **15 Hrs**

 Transfer: Objective – Procedure of Transfer -Transfer Policy - Promotion: Purpose – Types of Promotion -Promotion Policy – Demotion –Causes of Demotion – Dismissal- Compensation: Objective – Principles – Separations – Absenteeism – Labour Turnover- Impact of LabourTurnover

UNIT V - Performance Appraisal   **20 Hrs**

 Performance Appraisal: Meaning - Need and Importance - Objective - Problems in Performance Appraisal - Factors Influencing Performance Appraisal – Methods of Performance Appraisal.

Text Book: Chitra. Atmaram. Naik. *Human Resource Management.* New Delhi: Ane Books Pvt., ThirdEdition. 2016.

Books for Reference:
1. Dr.C.B.Gupta. *Human Resource Management.* New Delhi: Sultan Chand & Sons.Thirteenth Edition. 2018.
2. C.P.Memoria. *Personnel Management.* New Delhi: Himalaya Publishing House. ThirdEdition. 2011
3. L.M.Prasad.. *Human Resources Management.* New Delhi: Sultan Chand & Sons. FifthEdition. 2014.
4. Gary Dessler. *Human Resource Management.* New Delhi: Prentice Hall. First Edition.2013.
5. Michael Armstrong. *A Handbook of Human Resource Management Practice.* New Delhi:Kogan Page. Third Edition. 2012

Course Outcomes

CO No.	Upon completion of this course. students will be able to	PSO's addressed	CL
CO 1	gain knowledge on the basic concepts of planning human resource and help them to understand basic techniques of business.	6	Un
CO 2	understand the basic selection process in HR.	8	Un
CO 3	know the importance of training and development in HR.	2	Ap
CO 4	know about the transfer policies and gain knowledge on compensation methods.	5	Un & Re
CO 5	know about the significance and problems in performance appraisal.	1	Ap
CO 6	understand the promotional policies in business and identify the methods of performance appraisal.	2, 8	Un, Re & Ev

21UMCC51 Human Resource Management

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	2	3	2	3	3	3	2	3	2.6	3	3	3	3	3	3	2	3	2.8
CO-2	2	3	2	3	3	3	2	3	2.6	3	3	3	3	3	3	2	3	2.8
CO-3	2	3	2	3	3	3	2	3	2.6	3	3	3	2	3	3	2	2	2.6
CO-4	2	3	2	3	3	3	2	3	2.6	3	3	3	3	3	3	2	3	2.8
CO-5	2	3	2	3	3	3	2	3	2.6	3	3	3	3	3	3	2	3	2.8
CO-6	2	2	3	2	2	2	2	2	2.1	3	3	3	3	3	3	2	3	2.8
Average	2	2.8	2.1	2.8	2.8	2.8	2	2.9		3	3	3	2.8	3	3	2	2.1	

PO Mean			**2.5**			PSO Mean		**2.7**	
Strength of PO Correlation			Strong			Strength of PSO Correlation		Strong	

Semester- V			
Core -VIII	Fiscal Economics -I		
Course Code: 21UECC51	Hours / week :6	Hrs / Semester: 90	Credits :4

Objectives:

- Provide the knowledge on basic financial procedure of the government.
- To develop the ability of the students to understand and to make research in finance and economics and the skills to apply those concepts for making intelligent decisions for themselves in public sector and business life.

UNIT I -Introduction   **15 Hrs**
        Definition and importance of Public Finance – Private Finance and Public Finance – comparison – Principles of Maximum social advantage.

UNIT II - Public Expenditure   **20 Hrs**
        Classification of Public Expenditure –Reasons for the growth of Public expenditure in recent times (general) – Effects of public expenditure on production – On distribution – other effects.

UNIT III - Public Revenue   **20 Hrs**
        Sources of Revenue State and Centre - Characteristics of Taxation - Canons of taxation.

Objectives of taxation with special reference to India – Ability to pay theory of taxation

UNIT IV -Kinds of Taxation   **20 Hrs**
        Direct and Indirect taxes – Progressive, Proportional and Regressive taxation - Merits and Demerits –Effects of Taxation – On Production – On Distribution – Other effects – Value Added Tax – Meaning – Forms of VAT – Merits and Demerits of VAT –GST.

UNIT V - Taxable Capacity & Burden of Taxation   **15 Hrs**
        Absolute taxable capacity and Relative taxable Capacity – Factors determining taxable capacity – India's taxable capacity – Tax evasion and Tax avoidance – Tax evasion in India

Text Book:
M.Maria John Kennedy. *Public Finance*. New Delhi: PHI Learning PVT Ltd.

Third Edition.2012

Reference Books:

- Dr.D. Amutha. *Money. Banking. International Trade and Public Finance*. New Delhi:Manglam Publications. First Edition. 2017.
- H.L.Bhatia. *Public Finance*. New Delhi: Vikas Publishing House Pvt. Ltd. Ninth Edition.1999

- A.C. Agarwal. *Public Finance*. New Delhi: Lakshmi Narayan Publications. SeventhEdition. 2011
- Musgrave & Musgrave. *Public Finance*. *Theory and Practice*. New Delhi: McGraw HillBook Co. Thirteenth Edition. 1981
- R.Cauvery. *Public Finance*. New Delhi: S. Chand& Company Ltd. Fifth Edition. 2007

CO. No	Upon completion of this course. students will be able to	PSO's addressed	CL
CO 1	differentiate between public finance and private finance	6	Ap
CO 2	explain tax and non- tax revenue, differentiate between direct andindirect tax. explain shifting of taxation and effects of taxation	2	An
CO 3	classify the public revenue and its various sources; revenue receipts and non- revenue receipts. understand the tax and non-taxrevenue.	1	Ev
CO 4	describe how and in which manner government spends. the causesof increasing public expenditure in the modern economies. explain the varying effects of public expenditure on the economy and role of public expenditure in a developing economy.	4	Ev
CO 5	identify the measures to reduce public expenditure.	6	Ev
CO 6	explain the types of public debt and how debt is repaid and analyse the latest government budget allotment.	2, 7	An

21UECC51 Fiscal Economics -I

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	2	2	2	**2.6**	3	3	2	2	3	3	3	2	**3**
CO-2	3	3	3	3	3	3	2	3	**2.8**	3	3	3	3	3	2	2	3	**3**
CO-3	3	3	2	3	3	2	1	2	**2.3**	3	2	3	3	3	2	3	3	**3**
CO-4	3	3	3	2	3	3	2	3	**2.7**	3	3	2	3	3	2	3	3	**3**
CO-5	3	2	2	3	3	2	2	3	**2.5**	3	2	3	3	3	1	2	3	**2.5**
CO-6	3	3	3	3	3	2	2	2	**2.6**	3	3	3	2	3	3	3	2	**3**
Average	**3**	**3**	**3**	**3**	**3**	**2.5**	**2**	**2.5**		**3**	**3**	**3**	**2.5**	**3**	**3**	**3**	**2.5**	
PO Mean									**2.6**	PSO Mean								**2.9**
Strength of PO Correlation			Strong							Strength of PSO Correlation				Strong				

Semester- V			
Core - IX	MONEY AND BANKING -I		
Course Code: 21UECC52	Hours / week :6	Hrs / Sem.: 90	Credits :4

Objectives:

- To give a thorough understanding of money. its functions and of the Monetary system andits control for the better administration of the economy
- Students will develop subject-specific competences:
- knowledge and understanding of the theoretical basis for the origin and essence of money,money circulation, monetary policy, mechanisms of money creation and laws governing the functioning of the money market and monetary aggregates;
- to acquire the practical skills of assessing specific forms and instruments of monetary policies

UNIT I -Money   **15 Hrs**

Barter – Meaning and disadvantages – Evolution of money – kinds of money – Functions of money -Qualities of good money material - Advantages and disadvantages of money - Role of Money in Capitalistic and Socialistic economy

UNIT II - Monetary Standards   **20 Hrs**

Meaning and types of monetary standards – Gold standard and its working – Causes for thedownfall of the Gold Standard – Bimetallism – Silver Standard

UNIT III - Paper Currency Standard   **15 Hrs**

Meaning- advantage of paper currency standard- Principles and methods of note issue – History of Indian currency system – Current monetary system in India – Internal and external features of India's current monetary system-Digital Currency

UNIT IV - Demand for and Supply of Money   **20 Hrs**

Supply of Money: Meaning – determinants of money supply –Value of Money – Velocityof Money – Factors governing velocity of circulation of Money-Demand for Money: Meaning – Quantity theory of money- Fisher's Transaction version – Cambridge Economists' cash balance version – Friedman's theory of demand for money.

UNIT V - Theory of Money and Prices   **20 Hrs**

Keynesian theory of money and prices – Gurley and Shaw's thesis on liquidity of money –Rad Cliffe - Sayers thesis – Tobin and Shaw's theory - Patinkin's monetary theory - Phillips Curve

Text Book: Dr.D. Amutha. *Money. Banking. International Trade and Public Finance*. New Delhi: ManglamPublications. First Edition 2017

Books for Reference:
1. Jhinghan. M.L. Monetary Economics. New Delhi: Virinda Publications. Twentieth Edition2012
2. Mithani. D. *Money. Banking and International Trade.* Mumbai: Himalaya Publications House.Twentieth Edition 2016
3. Cauvery. etal. *Monetary Economics*. New Delhi: S Chand &Company. Third Edition (2010)
4. Sankaran. S. *Monetary Economics*. Chennai: Margham Publications. Fifth Edition 2015
5. Vaish. M.C. *Monetary Theory*. New Delhi: Vikas Publishing. Fifth Edition 2005
6. Jhingan. *Monetary Economics*. New Delhi: Vrindha Publications (P) Ltd. 6th Edition

Course Outcomes:

CO. No	Upon completion of this course. students will be able to	PSO's addressed	CL
CO - 1	able to analyze the theoretical basis and practical implementationof monetary and foreign exchange policy and the adequacy of the current state of the economy and finances of thecountry and the challenges of development of state and society;	1	Ap
CO - 2	able to assess the effectiveness of implemented monetary andexchange rate policies. Including international benchmarking. Methods of quantifying the money supply. the monetary base andother indicators characterizing the monetary system of the country;	4	Un & An
CO - 3	navigate the legislative and normative acts regulating thecirculation of money and the use of instruments in their work;	6	Ev
CO - 4	analyze the proposals of the experts. legislators. government andthe central bank with respect to monetary policy and to predict the possible consequences of their implementation	7	Re & Ev
CO - 5	deepening the previously obtained knowledge in the field of economic sciences. knowledge and understanding of the functioning of the monetary system and the currency markets. and of theoretical basis of monetary and exchange rate policies;	5	Ev
CO - 6	provide knowledge and skills in the field of economic theory andpractice of implementing monetary policy.	8	An

21UECC52 Money and Banking -I

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	2	3	3	3	2.9	3	3	3	3	3	3	3	3	3
CO-2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2.9
CO-3	3	2	3	3	2	3	3	3	2.7	3	2	3	2	2	3	3	3	2.6
CO-4	3	3	3	3	3	3	3	2	2.9	3	3	3	3	3	2	3	3	2.9
CO-5	3	3	3	3	3	3	2	3	2.9	3	3	3	3	3	3	2	3	2.9
CO-6	3	2	3	3	2	3	3	1	2.5	3	3	2	3	3	3	3	2	2.7
Average	3	2.6	3	3	2.5	3	2.8	2.5		3	2.8	2.8	2.8	2.8	2.8	2.8	2.6	
PO Mean									2.9									2.9
Strength of PO Correlation			Strong							Strength of PSO Correlation				Strong				

Semester- V			
Core - X	**INTERNATIONAL ECONOMICS**		
Course Code: 21UECC53	**Hours / week :5**	**Hrs / Semester: 75**	**Credits :4**

Objectives:

- To understand the theories governing international trade
- To evaluate the policies pursued by various economic bodies in international economictransactions.

UNIT I- Concept of International Trade and Classical Theories   **15 Hrs**

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

UNIT II -Modern Version of Theories of International Trade   **15 Hrs**

Haberler's Opportunity Cost Theory– Heckscher – Ohlin Theory of Factor Endowment – Marshall-Edgeworth Offer Curves – Gains from international trade – The Terms of Trade: Concepts and Measurement.

UNIT III - Exchange Rate Control   **15 Hrs**

Exchange Rate: Definition – Types of Exchange Rate: Fixed Vs Flexible Exchange Rate – Theories of Foreign Exchange Rate: The Mint-Parity Theory – The Purchasing PowerParity Theory – Balance of payment Theory.

UNIT IV -Balance of Trade and Balance of Payments   **15 Hrs**

Balance of Trade – Balance of Payments – Current Account - Capital Account – Visible and Invisible – Causes for Disequilibrium in Balance of Payments – Methods of correcting the disequilibrium – Devaluation of Currency – Convertibility of Currency: PartialAccount and Full Account

UNIT V - International Economic Institutions   **15 Hrs**

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

Text Book: Devairakkam. *International Economics*, Tirunelveli. D.S.R.Publications. ThirdEdition, 2001

Reference Books:
1. Dr.D. Amutha. *Money. Banking. International Trade and Public Finance*. New Delhi:Manglam Publications. First Edition. 2017.
2. Soderston. *International Economics*. London: The Macmillan Press Ltd.

Tenth Edition.1991
3. D.M. Mithani. *International Economics*. New Delhi: Himalayas
   Publishing House.Thirteenth Edition. 2003.
4. Dr. Singh & Dr. Agarwal. *International Economics*. Meerut. Sanjeeva
   Prakashan.Publications. First Edition. 2001

Course Outcomes

CO. No.	Upon completion of this course. students will be able to	PSO's addressed	CL
CO - 1	describing the benefits of international trade and defects	1	Un
CO - 2	familiar with the main economic theories and models ofinternational trade.	2	Un
CO - 3	To get aware of the likely distributional consequences of trade and thus of conflicting interests within an economy regarding trade liberalization.	4	Un & Ev
CO - 4	understand economists' arguments concerning trade policyand its analysis.	7	Un & Ap
CO - 5	Apply economics to issues of the day reasoning surrounding globalization	8	Ap
CO - 6	have an elementary understanding of open-economy macroeconomics and the determinants of exchange rates and the balance of payments.	5	Un

21UECC53 International Economics

CO	PO									PSO								
CO No.	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg.	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg.
CO-1	3	2	3	3	3	2	2	3	2.6	3	2	3	3	3	3	3	2	2.8
CO-2	3	3	3	3	3	2	2	3	2.8	3	3	3	3	3	3	3	3	3
CO-3	2	3	2	3	3	3	3	3	2.8	3	3	3	3	3	3	3	3	3
CO-4	3	2	3	3	3	3	2	3	2.8	3	3	2	2	2	3	2	2	2.4
CO-5	3	3	3	3	2	3	3	3	2.9	2	3	3	3	3	3	3	3	3
CO-6	3	2	2	3	3	2	2	3	2.5	2	3	3	3	3	3	3	3	3
Ave.	2.8	2.5	2.6	3	2.8	2.5	2.3	3		2.6	2.8	2.8	2.8	2.8	3	2.8	2.6	
PO Mean									2.7	PSO Mean								2.8
Strength of PO Correlation			Strong							Strength of PSO Correlation				Strong				

Semester- V			
Core Elective	ECONOMICS OF WASTE MANAGEMENT		
Course Code: 21UECE51	Hours / week : 5	Hrs / Semester: 75	Credits :4

Objectives:
1. To characterize the waste and apply the knowledge of laws for municipal solid wastemanagement for handling of biomedical wastes and for handling of plastic wastes.
2. To apply the knowledge for effective solid waste collection systems for waste collection routeoptimization and for processing of solid waste.
3. To design composting systems maintain and operate the aerobic and anaerobic compostingprocess for effective organic waste recycling.
4. To manage construction and operations of landfill facilities, energy recovery systems andmanagement of leachate systems.

UNIT I- Municipal Solid Waste Management   **15 Hrs**

Composition and Quality of the Generated Municipal Solid Waste- Collection &Transportation of Municipal Solid Waste – Separation for Recycling and Reuse of Plastics, Paperand Glass from the Municipal Solid Waste (MSW).

UNIT II - Industrial Waste management   **15Hrs**

Classification of Industrial Solid Waste and Extent of Generation of Industrial Waste in India- Storage – Transportation and Disposal of Industrial Solid Wastes

UNIT III - Biomedical Waste Management   **15 Hrs**

Biomedical Wastes and their Impacts on Human Health and Environment – Legislative Laws on Management of Biomedical Wastes in India – Colour Coding of Biomedical Wastes andtheir collection in Different Coloured Bins or Bags-Collection of Sharp Wastes- Labelling and Identification of Biomedical Wastes- Storage of Biomedical Waste-Transportation of BiomedicalWastes to the Treatment and Disposal Sites- Treatment and Disposal of Biomedical Wastes.

UNIT IV - Radioactive Waste Management   **15Hrs**

Radioactive Isotopes or Radionuclides- Nuclear Fission and Generation of Nuclear Power-Radioactive Disintegration and Radioactive Radiations – Impact of Radioactivity on Biological Environment – Sources of Radioactivity in the Environment – Classification of Radioactive Wastesand their Disposal

UNIT V - E – Waste Management   **15 Hrs**

Definition of E –Waste – Classification of E-Waste- Adverse Health Environmental Impacts of E-Waste and Its Improper Disposal – Menace of E-Waste in India.

Text book:

    Manual on Municipal Solid waste Management. New Delhi: CPHEEO. Ministry ofUrban Development. Govt. Of. India. 2000.

Reference Books:

1. Techobanoglous Thiesen Ellasen; *Solid Waste Engineering Principles and Management*. NewDelhi: McGraw Hill Publications. 1997.

2. R.E.Landrefh and P.A.Rebers. *Municipal Solid Wastes-Problems &Solutions*. New Delhi: LewisPublications. 1997.

3. Blide A.D.& Sundaresan. B.B. *Solid Waste Management in Developing Countries*. New Delhi:INSDOC Publications. 1993.

21UECE51 Economics of Waste Management

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	2	3	2	2	2	2	3	**2.4**	2	3	2	2	3	2	2	3	2.4
CO-2	2	3	2	2	2	2	3	2	**2.5**	2	2	3	2	2	3	2	2	2.3
CO-3	3	2	3	2	2	3	2	2	**2.4**	3	2	2	2	2	2	2	2	2.2
CO-4	3	3	3	2	2	2	3	3	**2.7**	2	3	3	3	3	3	3	3	2.9
CO-5	2	2	3	3	3	3	3	3	**2.8**	3	2	3	3	2	2	2	2	2.4
CO-6	3	2	3	2	2	3	2	3	**2.5**	3	2	3	3	2	2	2	3	2.5
Average	2.7	2.4	2.9	2.2	2.2	2.5	2.7	2.6		2.5	2.4	2.7	2.5	2.4	2.4	2.2	2.5	
PO Mean				**2.5**						PSO Mean				**2.5**				
Strength of PO Correlation				Strong						Strength of PSO Correlation				Strong				

Semester- VI			
Core XI	**FISCAL ECONOMICS -II**		
Course Code: 21UECC61	**Hours / week :6**	**Hrs / Semester: 90**	**Credits :4**

Objectives:

- Provide the knowledge on basic financial procedure of the government.
- To develop the ability of the students to understand and to make research in finance and economics and the skills to apply those concepts to the making of intelligent decisions forthemselves in public sector and business life.

UNIT I - Public Debt   **15 Hrs**
        Meaning and Classification – Need for Public Borrowing – Effects of Public Debt on production consumption and distribution - Burden of Public Debt– Redemption of Public Debt –Growth of Public Debt in India.

UNIT II - Budgeting   **20 Hrs**
        Meaning and components of Government budget- Revenue and Capital Budget – Characteristics of a sound budget– Budgetary procedure in India - A Review of the latest Union Budget

UNIT III - Deficit financing and Fiscal Policy   **15 Hrs**
Deficit financing - Meaning - Objectives– Fiscal Policy-Meaning and Objectives-Instruments of Fiscal Policy –Role of Fiscal Policy in Indian Economy

UNIT IV - Local finance   **20 Hrs**
        Functions and Resources of Local Bodies – Zilla Parishads - Panchayat Smithies-Gram Panchayats- Blocks- Town Panchayats - Municipal Corporations - A Critique

UNIT V - Federal Finance   **20 Hrs**
        Centre-State Financial relations – Role of Finance Commissions – 15th FinanceCommission recommendations- Merits and Demerits

Text Book:

        B.P.Tyagi. *Public finance* JAI Prakash Nath& Co.. Thirteenth Edition. 2007

Books for Reference:

1. Dr.D.Amutha. *Money. Banking. International Trade and Public Finance*. New Delhi: ManglamPublications. First Edition. 2017.

2. H.L.Bhatia. *Public Finance.* New Delhi: Vikas Publishing House Pvt. Ltd. Tenth Edition. 1999
3. R.C. Agarwal. *Public Finance: Theory and Practice.* Agra: New Delhi: Lakshmi NarayanPublications. Tenth Edition. 2006.
4. Musgrave & Musgrave. *Public Finance -Theory and Practice.* New Delhi: McGraw Hill BookColtd. Ninth Edition. 1981
5. R.Cauvery. *Public Finance.* New Delhi: S. Chand & Company Ltd. Tenth Edition. 2007

Course Outcomes

CO. No	Upon completion of this course. students will be able to	PSO's addressed	CL
CO - 1	Differentiate public finance and private finance and explain tax and non- tax revenue, differentiate between direct andindirect tax and explain shifting of taxation and effects of taxation	4	Un & An
CO - 2	classify the public revenue and its various sources; revenue receipts and non- revenue receipts. understand the tax and non-tax revenue.	6	Ev
CO - 3	describe how and in which manner government spends, explain the causesof increasing public expenditure in the modern economies. explain the varying effects of public expenditure on the economy and role of public expenditure in a developing economy.	4	Ev
CO - 4	identify the measures to reduce public expenditure and explain the methods to repay public debt.	5, 8	An & Ev
CO - 5	describe the government budget. explain different types of budgets such as balanced and unbalanced budget and know the budgetary procedure.	1, 6	Ev
CO - 6	analyse the latest government budget allotment	2, 5	An

21UECC62 Fiscal Economics -II

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	3	3	3	**3**	3	3	3	3	3	3	3	3	**3**
CO-2	3	3	3	3	3	3	3	3	**3**	3	3	3	3	3	3	3	3	**3**
CO-3	2	2	3	2	2	3	3	3	**2.5**	3	2	3	2	2	3	3	3	**2.6**
CO-4	3	3	3	3	3	3	3	3	**3**	3	3	3	3	3	3	3	3	**3**
CO-5	3	3	3	3	3	3	2	3	**2.8**	3	3	3	3	3	3	2	3	**2.8**
CO-6	3	3	3	3	3	2	2	3	**2.7**	3	3	3	3	3	3	3	1	**2.7**
Average	**2.8**	**2.8**	**3**	**2.8**	**2.8**	**2.8**	**2.6**	**3**		**3**	**2.8**	**3**	**2.8**	**2.8**	**3**	**2.8**	**2.6**	
PO Mean									**2.8**	PSO Mean								**2.8**
Strength of PO Correlation			Strong							Strength of PSO Correlation					Strong			

Semester- VI			
Core - XII	**MONEY AND BANKING –II**		
Course Code: 21UECC62	**Hours / week :6**	**Hrs / Sem.: 90**	**Credits :4**

Objectives:

- To advance relevant knowledge and develop employable, innovative and diversegraduates to co-create value for society.
- To make the students be at the cutting edge of economic, financial and management education, research and community engagement within the national and global context.

UNIT I- Evolution of Banking 15 Hrs

Evolution of banks – Unit Banking - Branch Banking- Group Banking- chain Banking. Mixed Banking- Correspondent Banking - Merits and demerits.

UNIT II - Commercial Banking 20 Hrs

Types of Banks – Organization of Commercial Banks – Functions – Balance sheet of a commercial Bank – Credit creations – Recent Reforms in Banking Sector in India

UNIT III -Central Banking 20 Hrs

Definition - Functions of a central bank - Credit control – Objectives of credit control – Methods of credit control – Role and functions of the Reserve Bank of India - Recent monetary policy of RBI

UNIT IV -Practical Banking 15 Hrs

Meaning – Current Account – Savings Bank Account – Negotiable Instruments: Cheque, Draft, and Bills of exchange – ATM – E- Banking

Practical: To Open an account- To cross the Cheque- To fill up demand draft form. OnlineBanking-Debit card – Credit Card-

UNIT V - Money Market and Capital Market 20 Hrs

Money market: Meaning – features of Indian money market -characteristics and constituents- functions - Capital Market: Meaning- features- functions of Indian capital market – Working of Capital Markets in India - Stock Exchange Market: Meaning- Concepts: securities- shares- bonds- debentures- Bull- Bear -London Stock Exchange Market -National Stock ExchangeMarket - Bombay Stock Exchange Market

Text Book

Jhinghan. M.L. *Monetary Economics.* New Delhi: Virinda Publications. Thirteenth Edition 2012

Books for Reference:

1. Dr.D. Amutha. *Money. Banking. International Trade and Public*

Finance. New Delhi:Manglam Publications. First Edition 2017.
2. Mithani. D. *Money. Banking and International Trade.* Mumbai: Himalaya Publications House.Thirteenth Edition 2016.
3. Dr. Cauvery. etal. *Monetary Economics*. New Delhi: S Chand &Company. Fifth Edition 2010
4. Sankaran. S. M*onetary Economics*. Chennai: Margham Publications. Third Edition 2015
5. Vaish. M.C. *Monetary Theory*. New Delhi: Vikas Publishing. Fifth Edition 2005

Course Outcomes

CO. No	Upon completion of this course. students will be able to	PSO's addressed	CL
CO - 1	explain and discuss why people hold money and why it is used in the trading process.	2	Un & Re
CO - 2	provides students with theoretical building blocks that are needed for an understanding of the monetary theories and solve macro-economic models and assess the role and efficacy of monetary policy for various types of models in both classical and Keynesian set-ups.	4, 8	Ev & Ap
CO - 3	describe and explain the main channels of the monetary transmission mechanism. through which monetary policy can have real effects on the economy.	5	Ap
CO - 4	discuss the merits and disadvantages of different monetary policies used by Central Banks and discuss the present status of monetary policy.	2, 6	Un
CO - 5	understand and appreciate the relationship between money and inflation.	5	Un
CO - 6	develop understanding of the uncertainties policy-makers face and suggest remedies for policy makers to deal with these.	6	Un & Cr

21UECC62   Money and Banking –II

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	2	3	3	**2.9**	2	3	3	2	3	3	2	2	**2.5**
CO-2	2	3	3	3	2	3	3	2	**2.6**	2	3	2	3	3	2	3	2	**2.5**
CO-3	2	2	2	2	2	2	3	2	**2.2**	2	3	2	3	2	3	3	2	**2.5**
CO-4	3	2	2	2	2	3	2	2	**2.3**	2	3	3	2	3	3	3	2	**2.6**
CO-5	3	3	2	2	3	2	2	2	**2.4**	2	3	3	3	3	2	2	3	**2.6**
CO-6	2	2	3	2	3	3	2	2	**2.5**	3	2	3	3	2	3	2	2	**2.5**
Average	**2.5**	**2.5**	**2.5**	**2.3**	**2.5**	**2.5**	**2.5**	**2.2**		**2.2**	**2.8**	**2.7**	**2.7**	**2.7**	**2.7**	**2.5**	**2.2**	
PO Mean				**2.5**					PSO Mean					**2.5**				
Strength of PO Correlation				Strong					Strength of PSO Correlation					Strong				

Semester- VI			
Core -XIII	GROWTH AND DEVELOPMENT		
Course Code: 21UECC63	Hours / week :6	Hrs / Semester: 90	Credits :4

Objectives:
- To relate theoretical concepts in economic development and growth
- To grasp how the planning contributes to the growth of the Indian Economy.

UNIT I -Concepts of Economic Growth and Economic Development 15 Hrs

Concepts and definitions of Economic growth and development; Growth versus Development - indicators of Economic Growth and Economic Development – Factors affectingEconomic Growth; Characteristic features of Underdeveloped Countries.

UNIT II - Growth Models 15 Hrs

The Classical Harrod - Domar Model; Neo - Classical Solow Model of Long - run Growth; Cambridge Joan Robinson Model of Capital Accumulation; Kaldor Model of Growth.

UNIT III - Theories of Economic Development 20 Hrs

Karl Marx's theory of Social Change - Surplus Value, Profit and Capitalist Crisis- Leibenstein's Critical Minimum Effort Thesis; Hirschman's Theory of Unbalanced Growth; Gerschenkron's Great Spurt Theory; Myrdal's Theory of Circular Causation.

UNIT IV - Human Capital Formation 20 Hrs

Population growth and its effects on Economic Development; Human Capital Formation and its role in economic development- Population – Health – Education –Sanitation -Per capita Income

UNIT V -FDI and MNCs 20 Hrs

Importance of Foreign Trade in Economic Development – FDI. FII: role and importance - Role of Foreign Capital and Aid in economic development; MNCs – role and contribution to economic development.

Text Book: Dr.D. Amutha. *Development Economics*: Theory and Practice. New Delhi: Manglam Publications.First Edition 2019

Books for Reference:
1. M.L.Jhingan. *Economics of Development and Planning*. New Delhi: Vrinda Publications P.Ltd.Second Edition 2016
2. B.C. Tandon. *Economic Planning: Theory and Practice*. Allahabad: Chaitanya PublishingHouse. Sixth Edition. 1971

3. Misra and Puri. *Economics of Development and Planning*. New Delhi: Himalaya PublishingHouse. Sixth Edition 2014
4. W.A.Lewis. *Development and Planning*. New Delhi: George Allen & Unwin Publications.Second Edition 1963
   Kindleberger. *Economic Development*. New York: McGraw Hill. First Edition 1965

Course Outcomes

CO. No.	Upon completion of this course. students will be able to	PSO's addressed	CL
CO -1	understand the concept of economic growth and development and understand India's stage of economic growth.	2	Un
CO -2	Identify India's achievements and failures in Five Year plans and describe the nature and meaning of economic development or underdevelopment. both in general. and as applied to people in specific developing countries.	4	Un & An
CO - 3	illustrate how economics can be used to create or analyse alternative approaches to promote development.	6	Ap
CO - 4	explain the major development problems. choices and opportunities currently faced by developing countries.	7, 8	Un
CO -5	select. assess and justify specific policy choices that developing countries might make to achieve their economic and social objectives.	5	Ev
CO - 6	Analyse, synthesise and evaluate information drawn from the available data and appropriate theoretical tools. and to express their ideas orally and in writing.	1, 2 & 6	An, Ev

21UECC63 Growth and Development

CO	PO									PSO								
CO No.	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg.	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg.
CO-1	3	2	3	3	2	3	2	2	2.5	2	3	2	3	2	2	3	3	2.5
CO-2	2	3	2	2	3	2	3	3	2.5	2	3	2	3	2	3	2	3	2.5
CO-3	3	2	3	2	2	3	2	2	2.4	2	3	2	3	2	3	2	3	2.5
CO-4	3	3	3	3	2	2	3	2	2.6	3	2	3	3	2	2	3	2	2.6
CO-5	2	3	2	2	3	2	3	2	2.5	3	2	3	3	3	2	3	2	2.6
CO-6	3	3	2	2	3	2	2	3	2.5	3	3	3	2	2	3	2	3	2.6
Ave.	**2.7**	**2.7**	**2.5**	**2.3**	**2.5**	**2.3**	**2.5**	**2.3**		**2.2**	**2.5**	**2.2**	**2.3**	**2.2**	**2**	**2.2**	**2.7**	
PO Mean									**2.5**	PSO Mean								**2.6**
Strength of PO Correlation		Strong								Strength of PSO Correlation			Strong					

SEMESTER- VI			
Core – XIV	**SHIPPING MANAGEMENT**		
Course Code: 21UECC64	**Hours / week :6**	**Hrs / Semester: 90**	**Credits :4**

Objectives:

- To enable the students to understand the economics of port and Port Procedure.
- To make the students to understand the various components of sea transport and to give anoverview of port and shipping industry.

UNIT I -Water Transport in Economic Development   **15 Hrs**

Meaning - Modes of Water Transport - Water Transport in India - Share of Different Modes of Transport - Port Performance - India's Maritime Trade - Development of Port Sector in India - Exports & Imports

UNIT II - Ports in Economic Development   **20 Hrs**

Meaning - Type of Ports - Importance of Ports in India - Major ports - Minor Ports - Factorsthat have led to inefficiencies in the Indian Ports - Models for Port Structuring - History of Ports in India - Global Scenario - Economics of Port and Port Procedure

UNIT III - Shipping in Economic Development   **15 Hrs**

Shipping economics - Meaning - Shipping Rates- Liners and Tramps- Competition and Shipping conferences - Development of Indian shipping -Current Problems - Shipping Policy and Five Years Plans- Chartering Business- Containerization

UNIT IV - The Economic Importance of Shipping   **20 Hrs**

The Role of Seaborne Trade in Economic Development- Technical Revolutions in Shipping - The Demand for Sea Transport - Seaborne Trade by Economic Activity - Parcel Size and Transport Mode - Definition of 'Bulk Cargo' - Categories of Bulk Cargo - Transport of Bulk and General Cargo - Definition of 'General Cargo' – Classes of General Cargo - Limitations of Seaborne Trade

UNIT-V: The Role of Ports in the Transport System   **20 Hrs**

Types of Ship in the Cargo Fleet - The Supply of Sea Transport - The Bulk Shipping Industry - The Liner Shipping Industry - Levels of Port Development - Functions of Various Authorities in Shipping - Port Trust – Customs - Mercantile Marine Department - Shipping Policy -Government policy in India & other countries towards shipping

Text Book: Dr.D. Amutha. *Shipping Economics*. Red Flower Publication Pvt. Ltd.. New Delhi. First Edition2018

Reference Books:
1. Stopford. M. *Maritime Economics*. London and New York: Routledge Taylor & FrancisGroup Publication. 2nd Edition. 1997.
2. French. L. (2006) *The International Elements of Shipping*. London: EuromoneyInstitutional Investor Publication. Third Edition. 2006
3. Patrick Alderton. *Reeds Sea Transport*. New Delhi: Himalaya Publishing House. SecondEdition. 1998

Course Outcomes

CO No.	Upon completion of this course. students will be able to	PSO's addressed	CL
CO 1	understand the economic aspects of maritime trade and shipping market.	2	Un
CO 2	analyse the relationship between shipping and the shape and development of the world economy.	5	Ap
CO 3	attain historic knowledge about how economic growth. international trade. and geopolitics have impact on demand for shipping services.	7	Un
CO 4	have knowledge on the different shipping markets and the fundamental factors that shape supply and demand in these markets.	4	Un
CO 5	analyse the market structure, geographic structure, development and profitability of the different parts of the maritime industry.	6	Ap
CO 6	calculate break-even rates for ships and calculate tonnage demand for a specific project based on given assumptions.	1, 6	Un

21UECC64 Shipping Management

	PO									PSO							
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2.8
CO-2	3	3	3	3	3	1	3	3	2.8	3	3	2	3	3	3	3	3	2.9
CO-3	3	3	3	2	2	3	3	3	2.8	3	2	3	2	2	3	3	3	2.6
CO-4	3	3	3	3	3	3	3	2	2.9	3	3	3	3	3	2	3	3	2.9
CO-5	3	3	3	3	3	3	2	3	2.9	3	3	3	3	3	3	2	3	2.9
CO-6	3	3	3	3	3	2	2	2	2.6	3	2	3	3	3	2	3	3	2.8
Average	3	3	3	2.8	2.8	2.7	2.7	2.6		2.8	2.7	2.8	2.8	2.8	2.7	2.8	2.8	

PO Mean	2.5	PSO Mean	2.8
Strength of PO Correlation	Strong	Strength of PSO Correlation	Strong

Semester- VI			
Core –XV	Group Project		
Course Code: 21UECP61	Hours / week :6	Hrs / Semester:90	Credits :4

Objectives:

- Facilitate quick understanding of complex data.
- Applies the research strategy in real life situation

Group Project work submitted by the students would be evaluated by external examiner appointed by the University for Marks of 100; remaining 100 marks would be given by internal examiner as per the rules and regulation of the university.

Guidelines for the project work of the UG programme in Economics

The students are expected to carry out a project work in the last Semester. It is equivalent to a core course. For maintaining uniformity and quality in its preparation the Board of Studies hasprepared clear guidelines.

The scheme and syllabus of the B.A. Programme in Economics under the CBCS suggests that students shall do a final research project for attaining intellectual maturation. The project is amajor document that reflects the skills of the student to investigate critically a topic/problem the ability to gather and analyze information and to present and discuss the results/investigation concisely and clearly. The guidelines to be followed in the preparation and submission of the project are as given here under.

1. The students may choose any topic from the subject she has studied including the social andeconomic issues in the local/regional context.
2. The project work should be supervised by a faculty.
3. The students shall prepare and submit the project report to the Institution
4. The report with around 40 A4 size pages (excluding preliminary pages) with at least 20 linesper page on one side of the paper only. The report should be bound (spiral or other ways).
5. The project report should be submitted to the Department within the date announced by theController of Examinations
6. The student shall prepare two copies of the report; one copy for submitting to the Institution andone copy for personal reference.
7. **Structure of the project report**:
    - ➢ Title page
    - ➢ Certificate by the students
    - ➢ Acknowledgements
    - ➢ Contents

- ➢ List of Tables and graphs
- ➢ List of Acronyms used
- ➢ Chapter 1: Introduction (which includes importance of the study, objectives of the study, methodology and data source, Chapter frame, Concepts used and limitations of the study etc.)
- ➢ Chapter II: Review of Literature
- ➢ Chapter III: Profile of the study area (Optional)
- ➢ Chapter IV: Data Analysis (Core of the report)
- ➢ Chapter V: Summary of Findings and Conclusions
- ➢ Appendix: Questionnaire/Schedule other exhibits etc.
- ➢ Select Bibliography (In referencing and

bibliographic preparation. the APA(American

Psychological Association) style sheet is recommended.

8. A project work must be the student's own work and must not contain any plagiarized material.
9. Evaluation of the project report: The project report shall be subject to both internal and externalevaluation.
10. The internal as well as external evaluation shall be done by the Guide and External Examiners.This component is examined on the basis of the students' awareness in the research process and its methodology. An objective multiple-choice Question Bank developed for the course may be used for internal evaluation.
11. The external assessment of the project is based mainly on the written material. Accordingly, the examiners' assessment of the project work will be based on a variety of features. These includeamongst others:
    - ➢ Understanding of the topic
    - ➢ Methodology used. the standard of presentation
    - ➢ the adequacy of the literature survey and data search
    - ➢ Integration with literature; interpretation of data and results
    - ➢ Ability to explain findings; originality the correct usage of referencing system

Course Outcomes

CO. No	Upon completion of this course. students will be able to	PSO's addressed	CL
CO 1	Understand research design and critically assess contributions to the literature.	2	An
CO 2	attain the skills needed to formulate and analyse models used in the particular field of Economics.	3, 4	Ap
CO 3	prepare and present original research papers in the particular field.	6	Cr
CO 4	improve generic skills like oral communication and written communication.	6, 8	Ap
CO 5	perform the interpretation and analysis of data.	1	An
CO 6	originate clarification and present the research report.	2, 6	Ev & Cr

21UECP61- Group Project

CO	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	3	2	3	**2.9**	3	3	3	3	3	3	2	3	**2.9**
CO-2	3	3	3	3	3	3	2	3	**2.9**	3	3	3	3	3	3	2	3	**2.9**
CO-3	3	3	3	3	3	3	3	3	**3**	3	3	3	3	3	3	3	3	**3**
CO-4	3	3	2	3	3	3	2	3	**2.7**	3	3	3	3	3	3	2	3	**2.9**
CO-5	3	3	3	3	3	3	2	3	**2.9**	3	3	3	3	3	3	2	3	**2.9**
CO-6	3	3	3	3	3	3	2	3	**2.9**	3	3	3	3	3	3	3	3	**3**
Average	**3**	**3**	**2.8**	**3**	**3**	**3**	**2.1**	**3**		**3**	**3**	**3**	**3**	**3**	**3**	**2.3**	**3**	
PO Mean									**2.9**	PSO Mean								**2.9**
Strength of PO Correlation			Strong							Strength of PSO Correlation				Strong				

Attainment of Course Outcomes of the B. A Economics Programme

Course Code	Name of the Course	Course Outcomes															
		Programme Outcomes (PO)								Programme Specific Outcomes (PSO)							
		PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8
21ULTA11	Part-I Tamil	3	2	2	3	3	2	2	1	3	3	3	3	3	3	3	2
21UGEN11	Part-II General English	3	2	3	3	3	2	2	1	3	3	2	2	2	2.5	1	2
21UECC11	Micro Economics- I	2.3	3	3	2.8	3	2.5	2	2.6	2.8	3	2.3	3	2.8	3	2.6	3
21UECC12	Indian Economy- I	2.7	2.5	2.3	2.5	2.3	2.7	2.5	2.5	2	2.4	2.4	2.2	1.9	2	2	2.5
21UECA11	Statistics- I	3	3	2.3	2.6	2.8	2.5	2	2.6	3	2.8	2.5	2.8	3	3	2	2.8
21UHIA11	General Economics- I (History)	3	2.9	2.7	2.3	2.5	2.8	2.1	2.4	3	3	2.3	3	2.5	2.6	2.2	2.2
21ULTA21	Part-I Tamil	3	2	2	3	3	2	2	1	3	3	3	3	3	3	3	1
21UGEN21	Part-II General English	3	2	3	3	3	2	2	1	3	3	2	2	2	2.5	1	1.5
21UECC21	Micro Economics- II	2.3	3	3	3	3	2.3	2	3	3	2.8	2.3	3	3	3	2	3
21UECC22	Indian Economy- II	2.5	2.5	3	2.7	2.5	2.7	2.5	2.8	2.8	2.7	2.7	2.3	2.7	2.8	2.7	2.5
21UECA21	Statistics- II	3	2.8	2	2.3	2	2.5	2.5	2.8	3	2.8	2.3	2.7	2.2	2	2.5	2.5
21UHIA21	General Economics- II (History)	3	3	2.8	2.5	2.5	2.4	2.2	2.3	3	3	2.5	2.8	2.5	2.5	2.5	2.5
21ULTA31	Part-I Tamil	3	2	2	3	3	2	2	1	3	3	3	3	3	3	3	1
21UGEN31	Part-II General English	3	2	3	3	3	2	2	1	3	3	2	2	2	2.5	1	1.5
21UECC31	Macro Economics- I	2.7	2.4	2.4	2.2	2.5	2.5	2.2	2.4	2.4	2.7	2.4	2.2	2.2	2.7	2.2	2.5
21UECA31	Mathematical Methods- I	3	2.8	2.8	2.6	2.8	3	2.2	2.2	3	2.9	2.7	2.8	2.6	2.7	2.3	2.2
21UECS31	Tourism Economics- I	2.5	2.5	2.8	2.6	2.5	2.8	2.6	2.5	2.8	2.6	2.5	2.6	2.6	1.8	2.5	2.5

Code	Course																
21ULTA41	Part-I Tamil	3	2	2	3	3	2	2	1	3	3	3	3	3	3	3	1
21UGEN41	Part-II General English	3	2	3	3	3	2	2	1	3	3	2	2	2	2.5	1	1.5
21UECC41	Macro Economics- II	2.7	2	2.9	2.2	2.4	2.2	2.5	2.5	2.5	2.9	2.4	2.9	2	2.5	2.4	2.4
21UECA41	Mathematical Methods- II	3	2.8	2.9	2.2	3	2.9	2.2	2.3	3	2.8	2.4	2.8	2.6	2.4	2.8	2.5
21UECS41	Tourism Economics- II	2.8	2.5	2.7	3	2.8	2.5	2.3	3	2.7	2.8	2.8	2.8	2.8	3	2.8	2.7
21UMCC51	Human Resource Management	2	2.8	2.1	2.8	2.8	2.8	2	2.9	3	3	3	2.8	3	3	2	2.1
21UECC51	Fiscal Economics- I	3	3	3	3	3	2.5	2	2.5	3	3	3	2.5	3	3	3	2.5
21UECC52	Money & Banking - I	3	2.6	3	3	2.5	3	2.8	2.5	3	2.8	2.8	2.8	2.8	2.8	2.8	2.6
21UECC53	International Economics	2.8	2.5	2.6	3	2.8	2.5	2.3	3	2.6	2.8	2.8	2.8	2.8	3	2.8	2.6
21UECE51	Economics of Waste Management	2.7	2.4	2.9	2.2	2.2	2.5	2.7	2.6	2.5	2.4	2.7	2.5	2.4	2.4	2.2	2.5
21UECC61	Fiscal Economics- II	2.8	2.8	3	2.8	2.8	2.8	2.6	3	3	2.8	3	2.8	2.8	3	2.8	2.6
21UECC62	Money & Banking - II	2.5	2.5	2.5	2.3	2.5	2.5	2.5	2.2	2.2	2.8	2.7	2.7	2.7	2.7	2.5	2.2
21UECC63	Economic Growth andDevelopment	2.7	2.7	2.5	2.3	2.5	2.3	2.5	2.3	2.2	2.5	2.2	2.3	2.2	2	2.2	2.7
21UECC64	Shipping Management	3	3	3	2.8	2.8	2.7	2.7	2.6	2.8	2.7	2.8	2.8	2.8	2.7	2.8	2.8
21UECP61	Group Project	3	3	2.8	3	3	3	2.1	3	3	3	3	3	3	3	2.3	3
Average Correlation		**3**	**2.1**	**2.5**	**2.6**	**3**	**2**	**2.2**	**1.9**	**3**	**2.6**	**2.5**	**2.6**	**2.6**	**2.6**	**2.3**	**1.7**
Mean Overall Score		**2.8**	**The POs and PSOs are strongly correlated with the COs of the programme**														