ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR - 625514
Department of Economics (Centre for Research)

Outcome Based CBCS Structure for the students to be admitted from the academic Year 2022-23

B.A. Economics

Part	Subject Code	Title of the Course	Hrs	Credit
		I Semester		
I	22UTAL11/ 22UHNL11/ 22UFNL11	Tamil/ Hindi/French	06	4
II	22UENA11 22UENB11	English through Prose & Short Story – Stream – A English through Prose & Short Story – Stream – B	05	4
III	22UECC11	Core - 1 Microeconomics – I	06	5
	22UECC21	Core - 2 Macroeconomics – I	06	5
	22UECA11	Allied – 1 Economic Statistics – I	05	4
IV	22UFCE11	FC – Personality Development	01	01
	22UCSH12	Communication Skills - I	01	
	22UBRC11	Bridge Course	-	1
V	22UNCC/NSS/ PHY.EDU/YRC/ ROT/ACF/ NCB12	Extension Activities : NSS/NCC/Phy.Edn./ YRC/ROTARACT/AICUF/Nature Club	-	-
		Total	30	24
		II Semester		
I	22UTAL22/ 22UHNL22/ 22UFNL22	Tamil /Hindi /French	06	4
II	22UENA22 22UENB22	English through Prose & Poetry -Stream–A English through Prose & Poetry -Stream–B	05	4
III	22UECC32	Core - 3 Microeconomics – II	06	5
	22UECC42	Core - 4 Macroeconomics – II	06	4
	22UECA22	Allied - 2Economic Statistics – II	05	4
IV	22UFCH22	FC - Social Responsibility and Global Citizenship	01	1
	22UCSH12	Communication Skills - II	01	1
V	22UNCC/NSS/ PHY.EDU/YRC/ ROT/ACF/ NCB12	Extension Activities: NSS/NCC/Phy.Edn./ YRC/ROTARACT/AICUF/Nature Club	-	1
		Total	30	24

			III Semester		
I	22UTAL13/ 22UHNL13/ 22UFNL13		Tamil /Hindi /French	06	4
II	22UENG33		English through Literature – I	06	4
III	22UECC53		Core - 5 Monetary Economics	05	4
	22UECA33		Allied – 3 Principles of Accountancy	05	4
	22UECE13		Core Elective - 1 Managerial Economics / Principles of Management	04	3
IV	22UECN13		Non-major Elective - 1 : Elements of Indian Economy	03	2
	22UFCE33		FC - Environmental Studies	01	01
V	22UNCC/NSS/ PHY.EDU/YRC/ ROT/ACF/ NCB24		Extension Activities: NSS/NCC/Phy.Edn./ YRC/ROTARACT/AICUF/Nature Club	-	-
	22UARE14		ARISE	-	-
Total				**30**	**22**
			IV Semester		
I	22UTAL14/ 22UHNL14/ 22UFNL14		Tamil /Hindi /French	06	4
II	22UENG44		English through Literature – II	06	4
III	22UECC64		Core - 6 Banking	05	5
	22UECA44		Allied - 4 Accounting for Management	05	4
	22UECE24		Core Elective - 2 Quantitative Aptitude / Verbal and Non-Verbal Reasoning	04	3
IV	22UECN24		Non–major Elective – 2 : Comparative Economic System	03	2
	22UFCH44		FC - Religious Literacy and Peace Ethics	01	1
V	22UNCC/NSS/ PHY.EDU/YRC/ ROT/ACF/ NCB24		Extension Activities: NSS/NCC/Phy.Edn./ YRC/ROTARACT/AICUF/Nature Club	-	1
	22UARE14		ARISE	-	1
Total				**30**	**25**

			V Semester		
III	22UECC75	Core - 7 Fiscal Economics	05	5
	22UECC85	Core - 8 Mathematical Methods	05	4
	22UECC95	Core - 9 International Economics	05	4
	22UECD05	Core -10 History of Economic Thought	05	4
	22UECD15	Core - 11 Marketing Management	05	4
	22UINT15	Internship (Holidays – 25 Days)	0	1
IV	22USBZ15	Skill Based Elective - I : Fundamental of Computer, Internet and Office Automation (Theory)	01	1
	22USBY15	Skill Based Elective - I Fundamental of Computer, Internet and Office Automation (Practical)	02	1
	22USSI16	Soft Skills	02	-
		Total	**30**	**24**
			VI Semester		
III	22UECD26	Core - 12 Indian Economy	05	5
	22UECD36	Core - 13 Mathematical Economics	05	4
	22UECD46	Core – 14 Development Economics	05	4
	22UECD56	Core - 15 Environmental Economics	05	4
	22UECD66	Core – 16 Demography	05	4
IV	22USBZ26	Skill Based Elective - II : Web Design (Theory)	01	1
	22USBY26	Skill Based Elective - II : Web Design (Practical)	02	1
	22USSI16	Soft Skills	02	2
		Total	**30**	**25**

Semester	I	II	III	IV	V	VI	Total
Credits	24	24	22	25	24	25	144

Self-Learning Courses - Additional Credits

Semester	Sub. Code	Title	Credits
III	22UECSL3	Economics of social problems in India	3
IV	22UECSL4	Labour problems and social welfare	3
V	22UECSL5	Marxian economics	3
VI	22UECSL6	Economic reforms in India	3

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	**Part**	: III Core - 1
Semester	: I	**Hours**	: 90
Subject Code	: 22UECC11	**Credit**	: 05

CORE: MICROECONOMICS – I
(Outcome based syllabus under CBCS Structure for the students to be admitted from the academic year 2022 - 23)

Course Educational Objectives
 ➢ To state the basic laws and definitions of economics
 ➢ To illustrate the principles of utility and demand analysis
 ➢ To analyze the pricing of goods and services by applying microeconomic concepts
 ➢ To understand producer equilibrium and consumer equilibrium
 ➢ To identify the relationship between cost and revenue

UNIT I: DEFINITIONS OF ECONOMICS   (18 hours)
     Economics: Meaning – Definitions: Wealth – Welfare – Scarcity – Growth – Microeconomics: Meaning – Importance - Limitations – Nature of Economic Laws – Basic Economic Problems – Production Possibility Curve

UNIT II: UTILITY ANALYSIS   (18 hours)
         Utility: Meaning – Cardinal and Ordinal Utility – Law of Diminishing Marginal Utility – Importance – Law of Equi – Marginal Utility – Importance
         Indifference curve: Meaning - Schedule —— Properties – Budget line - Consumer's equilibrium – Consumer's surplus – Importance

UNIT III: DEMAND AND ELASTICITY OF DEMAND   (18 hours)
         Demand: Meaning – Types – Law of Demand – Reasons for Sloping Downward – Exceptions – Factors determining Demand
         Elasticity of Demand: Meaning – Definition – Types of Elasticity - Degrees of Price Elasticity – Factors determining elasticity —— Measurement of Elasticity – Application

UNIT IV: PRODUCTION FUNCTION   (18 hours)
         Production Function: Meaning – The Law of Variable Proportions – The Law of Returns to Scale – Isoquant – Meaning – Properties – Producer's Equilibrium – Producer's Surplus – Importance.

UNIT V: COST AND REVENUE CURVES   (18 hours)
         Cost: Meaning –Types – Opportunity Cost: Meaning – Importance – Traditional Short-run and long-run Cost Curves – Modern Short-run and long-run Cost Curves - Relationship between AC and MC Curve – Reasons for U-shaped Cost Curves
         Revenue: Meaning - Total Revenue – Average Revenue and Marginal Revenue – Relationship between AR and MR Curve

Books for Study

1. John Kennedy. M., Micro Economics, Himalaya Publishing House, Mumbai, 2019
2. Bose, D. and Marimuthu, A., An introduction to Micro Economics, Himalaya Publishing House, Mumbai, 2017
3. R. Cauvery, U.K. Sudha Nayak, N. Kruparani, R. Meenakshi, M. Girija, Microeconomic Theory, S. Chand & Company Ltd, New Delhi, 2019.

Books for Reference

1. Dominick Salvatore, Schaum's Outlines Microeconomics Theory, McGraw Hill Education Publishing Company, New Delhi, 2017
2. Jhingan M.L, Modern Microeconomics, Vrinda publications Private limited New Delhi, 2016.
3. Ahuja H. L., Advanced Economic Theory, S. Chand & Company Ltd, New Delhi, 2019

Teaching and learning methods

- o Class Lecture
- o Digital Presentation
- o Group Discussion
- o Brainstorming
- o Learning through exposure

Course Outcome

After completion of course Microeconomics – I the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Familiarise with definitions and laws of economics	K3
CO2	Examine the optimization process	K3
CO3	Illustrate the demand and elasticity functions	K3
CO4	Explain the dynamics of production analysis	K3
CO5	Understand the different cost and revenue curves under short-run and long-run	K1

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	2	3	2	3	3	1	2	3	1	-	1	27
CO2	3	3	3	2	1	3	3	1	2	3	1	-	-	25
CO3	3	3	3	2	2	3	3	-	1	3	2	-	1	26

CO4	3	3	3	3	2	3	3	1	2	2	3	-	2	30
CO5	3	3	3	3	2	3	3	1	2	1	3	-	2	29
Grand total of COs with PSOs and POs														137
Mean Value of COs with PSO and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ = $\left(\dfrac{137}{58}\right)$														2.36

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.36
Observation	**COs of Microeconomics – I Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	**Part**	: III Core-2
Semester	: I	**Hours**	: 90
Subject Code	: 22UECC21	**Credit**	: 5

Core: MACROECONOMICS – I
(Outcome based syllabus under CBCS Structure for the students to be admitted from the academic year 2022 - 23)

Course Educational Objectives

➢ Understanding the basic laws and definitions of macroeconomics
➢ Identify the different concepts of national income
➢ Illustrate the circular flow of income of a country
➢ Exposing full employment equilibrium
➢ Analyze effective demand by applying macroeconomic concepts

UNIT – I: MACROECONOMICS **(18 hours)**

Macroeconomics: Meaning – Importance – Limitations – Differences between Microeconomics and Macroeconomics - Economic Statics – Comparative Statics – Economic Dynamics – Comparison between Economic Statics and Dynamics

UNIT – II: NATIONAL INCOME **(18 hours)**

National Income: Meaning – Definition – Concepts – Methods of Estimating National Income – Importance – Difficulties of Calculating National Income – National income as a measure of Economic Welfare

UNIT – III: CIRCULAR FLOW OF INCOME AND CLASSICAL THEORY OF EMPLOYMENT

(18 hours)

Circular flow of Income: Meaning – Two sector model – Closed Economy (Three sector) Model – Open Economy (Four sector) Model – Importance – Classical Theory of Employment - Say's Law of Market

UNIT – IV: EMPLOYMENT AND KEYNESIAN THEORY OF EMPLOYMENT **(18 hours)**

Employment: Meaning – Full Employment: Meaning – Unemployment: Meaning – Types - Keynesian Theory of Employment: The Principle of Effective Demand – Determinants of Effective Demand – Keynes's notion of Under Employment Equilibrium – Importance of Effective Demand

UNIT – V: CONSUMPTION FUNCTION **(18 hours)**

Consumption: Meaning - Consumption Function: Meaning – Technical Attributes – Significance of MPC – Keynes's Psychological Law of Consumption – Implications – Determinants of Consumption Function – Measures to Increase Consumption

Books for Study:

1. Sankaran . S, Macro Economics, Margham Publications, Chennai, 2017

2. Jhingan,M.L., Macro Economic Theory, Konark Publication, New Delhi, 2017.

3. Maria John Kennedy .M, Macroeconomic Theory, Prentice Hall of India, New Delhi, 2016.

Books for Reference:

1. Deepashree, Principles of Macroeconomics, Scholar Tech Press, New Delhi, 2022

2. Eugene Diulio, Schaum's Outlines Of Macroeconomics, McGraw Hill Education Publishing Company, New Delhi, 2017
3. Ahuja,H.L, Macroeconomics: Theory and Policy, S. Chand & Company New Delhi, 2017.

Teaching and learning methods
- Class Lecture
- Digital Presentation
- Group Discussion
- Brainstorming
- Learning through exposure

Course Outcome

After completion of course Macroeconomics – I the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Explain the basic concepts of Macroeconomics	K_3
CO_2	Familiarise with concepts and methods of National income	K_2
CO_3	Expound the circular flow process of income	K_3
CO_4	Understand the importance of effective demand and employment	K_4
CO_5	Describe the dynamics of consumption function	K_3

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	-	1	3	3	3	2	3	-	-	-	24
CO2	3	3	2	-	1	3	3	-	-	3	-	-	-	18
CO3	3	3	-	3	-	3	3	-	3	3	-	-	-	21
CO4	3	3	2	-	1	3	3	2	3	3	-	-	-	23
CO5	3	3	2	3	1	3	3	-	3	3	-	-	-	24
Grand total of COs with PSOs and POs														110
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{110}{37})$														2.97

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.97
Observation	**COs of Macroeconomics – I Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	**Part**	: III Allied - 1
Semester	: I	**Hours**	: 75
Subject Code	: 22UECA11	**Credit**	: 04

ALLIED: ECONOMIC STATISTICS – I
(Outcome based syllabus under CBCS Structure for the students to be admitted from the academic year 2022- 2023)

Course Educational Objectives

➢ Comprehend the stages in statistical survey
➢ Identify the fundamental principles governing data collection
➢ Acquaint the scatterness of data
➢ Present data in suitable forms
➢ Analysing the data with averages

UNIT I: INTRODUCTION & ORGANIZING A STATISTICAL SURVEY   (15 Hours)

Statistics: Meaning – Definition – Origin - Importance – Scope - Functions - Limitations – Statistical Survey – Stages of Statistical Survey

UNIT II: COLLECTION OF DATA AND SAMPLING DESIGN   (15 Hours)

Primary Data: Meaning – Merits – Demerits – Methods of Primary Data Collection - Secondary Data: Meaning – Sources – Merits – Demerits - Differences between Primary Data and Secondary Data

Sampling Design: Meaning – Census Method: Meaning – Merits – Demerits – Sampling: Meaning – Methods of Sampling: Random Sampling – Non-Random Sampling - Law of Statistical Regularity - Law of Inertia of Large Numbers –

UNIT III: CLASSIFICATION - TABULATION OF DATA, DIAGRAMMATIC AND GRAPHIC PRESENTATION   (15 Hours)

Meaning and Objectives of Classification – Types of Classification – Formation of a Discrete and Continuous Frequency Distribution – Tabulation –– Diagrams - Histogram - Frequency Polygon – Limitations of Diagrams and Graphs.

UNIT IV: MEASURES OF CENTRAL TENDENCY   (15 Hours)

Average – Definition – Objectives – Requisites of a Good Average – Types of Averages – Arithmetic Mean – Median – Mode – Geometric Mean – Harmonic Mean – Relationship among the Averages – Limitations of an Average.

UNIT V: MEASURES OF DISPERSION, SKEWNESS AND KURTOSIS   (15 Hours)

Meaning and Significance of Measuring Dispersion - Methods of Studying Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Coeffcient of Variation - Lorenz Curve - Definition and Measurement of Skewness – Karl Pearson's Co-efficient – Bowley's Co-efficient – Definition and Types of Kurtosis.

Books for Study:

1. Gupta, S.P., Statistical Methods, Sultan Chand & Sons, New Delhi, 2017.
2. Pillai, R.S. N. & Bagawathi, Statistics, S. Chand & Co., New Delhi, 2017.
3. Sancheti and Kapoor, Statistics, Sultan Chand & Sons, New Delhi, 2015.

Books for Reference:

1. Murray Spiegel, Larry Stephens, Narinder Kumar, Schaum's Outline Statistics McGraw Hill Education Publishing Company, New Delhi, 2017
2. Gupta, S.C., Statistical Methods, Sultan Chand & Sons, New Delhi, 2015.
3. Gupta & Kapoor, Elements of Mathematical Statistics, Sultan Chand & Sons, New Delhi, 2015.

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o Home Work

Course Outcome

After completion of course Economic Statistics–I the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Familiarise with the statistical survey	K_3
CO_2	Collect the data	K_3
CO_3	Construct the tables and diagrams to data	K_3
CO_4	Estimate mean, median and Mode to data to data	K_3
CO_5	Describe the distribution of data	K_4

K1= Knowledge, K2= Understanding, K3 = Application, and K4= Analysis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	3	3	-	3	3	3	3	3	3	2	-	-	28
CO2	2	2	1	-	3	3	3	3	3	3	2	-	1	26
CO3	2	3	3	-	3	3	3	3	3	3	2	-	1	29
CO4	2	3	3	-	3	3	3	3	3	3	2	-	1	29
CO5	3	3	3	1	3	3	3	3	3	3	2	-	1	31
Grand total of COs with PSOs and POs														143
Mean Value of COs with PSO and POs $= \frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{143}{55})$														2.6

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.6
Observation	**COs of Economic Statistics Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: BA History	**Part**	: III Allied-1
Semester	: I	**Hours**	: 75
Subject Code	: 22UECB11	**Credit**	: 04

ALLIED: GENERAL ECONOMICS

(Outcome based syllabus under CBCS Structure for the students to be admitted from the academic year 2022 - 2023)

Course Educational Objectives

➢ Disseminate the basic concepts and laws of price theory
➢ Illustrate the utility and demand analysis
➢ Understand the determination of price level
➢ Summarize the components of fiscal economics
➢ Differentiate the concepts in International trade and Balance of Payment

UNIT – I MICROECONOMICS (15 Hours)

Economics: Meaning – Definition – Scope – Nature – Microeconomics: Meaning - Demand: Meaning –Law of Demand: Meaning – Definition – Factors Determining the Law of Demand – Elasticity of Demand: Meaning – Types – Supply – Meaning - Law of Supply: Meaning - Factors Determining the Law of Supply

UNIT – II MARKET STRUCTURE (15 Hours)

Market: Meaning – Features – Factors Determining the Size of market – Cost Curves – Revenue Curves - Perfect Competition: Meaning – Features – Price and Output determination under Perfect Competition – Monopoly: Meaning – Features - Monopolistic Competition: Meaning – Features

UNIT – III MACROECONOMICS AND INTERNATIONAL TRADE (15 Hours)

Macroeconomics: Meaning – National Income: Meaning – Concepts of National Income – Measurement of National Income – Problems of Calculating National Income

International Trade: Meaning – Difference between Internal and International trade – Gains from Trade: Meaning – Balance of Payments: Meaning – Structure – Commercial Policy (Tariff, Quota, Dumping): Meaning – Free Trade vs. Protection

UNIT – IV MONEY AND BANKING (15 Hours)

Money: Meaning – Kinds of Money – Functions of Money – Bank: Meaning – Types – Commercial Bank: Meaning – Functions – Mode of Transactions: Cash Transactions – Digital Transactions – Central bank: Meaning – Functions – Methods of Credit Control

UNIT – V PUBLIC FINANCE (15 Hours)

Public Finance: Meaning - Public Revenue – Sources – Difference between Direct Tax and Indirect Tax – GST vs. VAT - Public Expenditure: Meaning – Components – Causes for the Growth of Public Expenditure – Public Debt: Meaning – Types – Redemption of Public Debt – Budget: Meaning - Types

Books for Study:

1. Agarwal H.S. Principles of Economics, Global Professional Publishing Limited, London, 2015.
2. Dwivedi. D.N, Principles of Economics, Vikas Publishing House, New Delhi - 2016.
3. Seth, M.L., Principles of Economics, Agrawal Educational Publications, Agra, 2016.

Books for Reference:

1. Ahuja, H. L., Modern Economics: An Analytical Study, S. Chand & Publication, New Delhi, 2015.
2. Geoffrey Crowther, An Outline of Money, Macmillan, London, 2015.
3. Maria John Kennedy M, Public Finance, Prentice Hall of India, New Delhi, 2013

Teaching and learning methods

- o Lecture
- o Power point
- o Group Discussion
- o Quiz
- o News Reading

Course Outcome

After completion of course General Economics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Comprehend the various definitions and laws of microeconomics	K_3
CO_2	Understand the Price and Output determination at different markets	K_2
CO_3	List the different aspects of national income and international components	K_3
CO_4	Describe the mode of payments and Credit control measures	K_3
CO_5	Identify the dimensions of fiscal variables	K_3

K1= Knowledge, K2= Understanding and K3 = Application

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	1	-	1	3	3	3	2	1	-	-	-	20
CO2	3	3	3	-	1	3	3	3	2	1	-	-	-	22
CO3	3	2	2	3	1	3	3	3	2	1	-	-	-	23
CO4	3	2	1	2	1	3	3	3	2	1	-	-	-	21
CO5	3	2	3	1	1	3	3	3	2	1	-	-	-	22
Grand total of COs with PSOs and POs														108
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = \left(\frac{108}{48}\right)$														2.25

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.25
Observation	**COs of General Economic Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	**Part**	: III Core - 3
Semester	: II	**Hours**	: 90
Subject Code	: 22UECC32	**Credit**	: 05

CORE: MICROECONOMICS – II

(Outcome based syllabus under CBCS structure for the students to be admitted from the academic year 2022 - 2023)

Course Educational Objectives

- Comprehend the basic concepts of micro economics
- Highlight the different market forms
- Illustrate the pricing of market forms
- Recognize the functional distribution of factors
- Familiarize the theories of distribution

UNIT I: SUPPLY AND MARKET   **(18 Hours)**

Supply: Meaning – Factor determining Supply of commodity – Elasticity of Supply: Meaning – Degrees of Elasticity of Supply

Market: Meaning – Features of Market – Classification of Markets – Factors affecting the size of a market – Time Element - Importance of Time Element in Price Theory

UNIT II: PERFECT COMPETITION AND MONOPOLY   **(18 Hours)**

Perfect Competition: Meaning – Features - Price and Output Determination under Perfect Competition

Monopoly: Meaning - Features – Price and Output determination under Monopoly - Price Discrimination: Meaning – Degrees – Types – Dumping – Motives

UNIT III: MONOPOLISTIC COMPETITION AND OLIGOPOLY   **(18 Hours)**

Monopolistic Competition: Meaning – Features – Price and Output determination under monopolistic competition – Defects – Selling Cost – Difference between Production Cost and Selling Cost.

Oligopoly: Meaning – Features – Price leadership - Cartels – Kinked demand curve.

UNIT IV: DISTRIBUTION AND RENT   **(18 Hours)**

Distribution: Meaning – Functional and Personal Distribution – Marginal Productivity Theory of Distribution

Rent: Meaning - Ricardian theory of Rent – Quasi Rent – Differences between Rent and Quasi-Rent – Modern theory of Rent.

UNIT V: WAGE, INTEREST AND PROFIT   **(18 Hours)**

Wages: Meaning – Nominal wage and Real Wage – Factors determining Real Wage – Subsistence theory of Wage – Standard of Living Theory – The Wage Fund theory – Marginal Productivity Theory of Wages.

Interest: Definition – Gross interest and Net interest –– Loanable Fund Theory – Abstinence Theory Profit: Meaning – Gross profit and Net profit – Risk theory of Profit– Uncertainty Bearing Theory – Innovation theory of Profit

Books for Study

1. John Kennedy. M., Micro Economics, Himalaya Publishing House, Mumbai, 2019.
2. Bose, D. and Marimuthu, A., An introduction to Micro Economics, Himalaya Publishing House, Mumbai, 2017.
3. R. Cauvery, U.K. Sudha Nayak, N. Kruparani, R. Meenakshi, M. Girija, Microeconomic Theory, S. Chand & Company Ltd, New Delhi, 2019.

Books for Reference

1. Dominick Salvatore, Schaum's Outlines Microeconomics Theory, McGraw Hill Education Publishing Company, New Delhi, 2017
2. Jhingan M.L, Modern Micro Economics, Vrinda Publications Private limited New Delhi, 2016.
3. Ahuja H. L., Advanced Economic Theory, S. Chand & Company Ltd, New Delhi, 2019

Teaching and learning methods

- Lectures
- Reading the text
- Summarizing
- Power point
- Group Discussion

Course Outcome

After completion of course Microeconomics–II the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Understand the market behaviour	K_3
CO2	Identify the realistic market form	K_3
CO3	Differentiate functional and personal distribution	K_3
CO4	Assess the rewards to various factors of production	K_4
CO5	Synthesizing the linkage of microeconomic variables	K_5

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	1	3	2	3	3	2	2	3	-	-	-	25
CO2	3	3	2	2	3	3	3	3	2	3	-	-	-	27
CO3	3	3	2	1	2	3	3	3	2	3	-	-	-	25

CO4	3	3	2	1	2	3	3	1	3	3	-	-	-	24
CO5	3	3	2	1	3	3	3	1	3	3	-	-	-	25
Grand total of COs with PSOs and POs														126
Mean Value of COs with PSO and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}} = \left(\dfrac{126}{50}\right)$														2.52

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.52
Observation	**COs of Microeconomics–II Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	**Part**	: III Core - 4
Semester	: II	**Hours**	: 90
Subject Code	: 22UECC42	**Credit**	: 05

CORE: MACRO ECONOMICS – II

(Outcome based syllabus under CBCS structure for the students to be admitted from the academic year 2022-23)

Course Educational Objectives

- Comprehend the basic concepts of Macroeconomics
- Highlight multiplier and accelerator
- Illustrate MEC and Investment demand curve
- Recognise the Keynesian contribution to economics
- Familiarize the macroeconomic policies

UNIT – I: THEORIES OF CONSUMPTION FUNCTION　　　　　(18 Hours)

The Absolute Income Hypothesis – Relative Income Hypothesis – Permanent Income Hypothesis – The Life Cycle Hypothesis

UNIT - II INVESTMENT FUNCTION　　　　　(18 Hours)

Investment: Meaning – Types of Investment – Marginal Efficiency of Capital: Meaning – MEC Schedule – MEC Curve – MEC and Investment– MEC and Rate of Interest – Factors affecting MEC

UNIT – III: MULTIPLIER AND ACCELERATOR　　　　　(18 Hours)

Multiplier: Meaning – MPC and Multiplier – Working of Multiplier - Process —— Leakages – Significance - Limitation

Accelerator: Meaning – Working of Accelerator – Significance - Limitations —— Differences between Multiplier and Accelerator - Super Multiplier

UNIT – IV: IS – LM FUNCTION　　　　　(18 Hours)

Product Market: Meaning – Derivation of IS Curve – Slope of IS Curve – Shift in IS Curve – Money Market: Meaning - Derivation of LM Curve – Slope of LM Curve – Shift in LM Curve – General Equilibrium of Product and Money Market

UNIT - V MACROECONOMIC POLICY　　　　　(18 Hours)

Monetary Policy: Meaning – Objectives – Fiscal Policy: Meaning – Objectives - Macroeconomic Policy: Meaning – Goals of Macro Economic Policy – Conflicts of Macroeconomic Objectives - Keynesian Tools to Developing Countries

Books for Study:

1. Maria John Kennedy .M, Macroeconomic Theory, PHI, New Delhi, 2016.
2. Sankaran . S, Macro Economics, Margham Publications, Chennai, 2017
3. Jhingan,M.L., Macro Economic Theory, Konark Publication, New Delhi, 2017.

Books for Reference:

1. Eugene Diulio, Schaum's Outlines Macroeconomics, McGraw Hill Education Publishing Company, New Delhi, 2017
2. Ahuja,H.L, Macroeconomics: Theory and Policy, S. Chand & Company New Delhi, 2017.
3. Deepashree, Principles of Macroeconomics, Scholar Tech Press, New Delhi, 2022

Teaching and learning methods

- Lectures
- Reading the text
- Summarizing
- Power point
- Group Discussion

Course Outcome

After completion of course Macroeconomics–II the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Relate the various consumption behaviours	K_3
CO2	Compare and Analyse the multiplier with accelerator	K_4
CO3	Compare and Analyse the multiplier with accelerator	K_3
CO4	Link the Product and Money market	K_4
CO5	Synthesizing objectives of macroeconomic policy	K_5

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	-	1	3	3	3	2	3	-	-	-	24
CO2	3	3	2	-	1	3	3	-	-	3	-	-	-	18
CO3	3	3	-	3	-	3	3	-	3	3	-	-	-	21
CO4	3	3	2	-	1	3	3	2	3	3	-	-	-	23
CO5	3	3	2	3	1	3	3	-	3	3	-	-	-	24
Grand total of COs with PSOs and POs														110
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{110}{37})$														2.97

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.97
Observation	**COs of Macroeconomics – II Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	**Part**	: III Allied - 2
Semester	: II	**Hours**	: 75
Subject Code	: 22UECA22	**Credit**	: 04

ALLIED: ECONOMIC STATISTICS – II

(Outcome based syllabus under CBCS structure for the students to be admitted from the academic year 2022- 2023)

Course Educational Objectives

- Understand the relationship between variables
- Estimate the parameters
- Interpret the results
- Study the behaviour of variables over a period of time
- Analyse the trend and pattern of variables

UNIT – I : CORRELATION   (15 Hours)

Meaning and Significance – Correlation and Causation – Types and Methods of Correlation – Scatter Diagram – Graphic Method – Karl Pearson's Coefficient of Correlation – Spearman's Rank Correlation – Concurrent Deviation – Correlation and Probable Error – Limitations of Correlation

UNIT – II : REGRESSION   (15 Hours)

Meaning and Uses – Difference between Correlation and Regression – Regression Lines – Regression Equations – Limitations of Regression Analysis.

UNIT – III: ASSOCIATION OF ATTRIBUTES   (15 Hours)

Difference between Correlation and Association – Types of Association - Notation and Terminology – Measuring Consistency of Data – Two Attributes and Three Attributes – Association and Dis-association – Methods of Studying Association – Comparison of Observed and Expected Frequency Method - Proportion Method - Yule's Coefficient of Association.

UNIT – IV: INDEX NUMBERS   (15 Hours)

Meaning and Uses – Problems in the Construction of Index Number – Methods of constructing Index Number – Unweighted Index Number - Weighted Index Number – Tests of Adequacy of Index Number – Chain Index Number – Base Shifting – Splicing and Deflating.

UNIT – V: ANALYSIS OF TIME SERIES AND PROBABILITY   (15 Hours)

Meaning and Uses – Components of Time Series – Measurement of Trend - Free hand - Graphic Method, - Semi-Average Method - Moving Average Method - Method of Least Squares.

Probability: Definition and Importance – Calculation of Probability – Theories of Probability - Additional Theorem - Multiplication Theorem – Bayes' Theorem

Books for Study:

1. Gupta, S.P., Statistical Methods, Sultan Chand & Sons, New Delhi, 2017.

2. Pillai, R.S. N. & Bagawathi, Statistics, S. Chand & Co., New Delhi, 2017.
3. Sancheti and Kapoor, Statistics, Sultan Chand & Sons, New Delhi, 2015.

Books for Reference:
1. Gupta, S.C., Statistical Methods, Sultan Chand & Sons, New Delhi, 2015.
2. Gupta & Kapoor, Elements of Mathematical Statistics, Sultan Chand & Sons, New Delhi, 2015.
3. Richard I Levin, Statistics for Management, Pearson Publication, London, 2016.

Teaching and learning methods
- Lectures
- Reading the text
- Summarizing
- Power point
- Class Presentation

Course Outcome

After completion of course Economic Statistics – II the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Employing different tools for the analysis of data	K_3
CO2	Measurement of the magnitude of economic variables	K_3
CO3	Forecasting the behavior of economic variables	K_3
CO4	Managing the problems with uncertainties	K_4
CO5	Making inference by applying tools	K_5

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	1	3	-	3	3	3	2	1	3	3	-	-	25
CO2	3	1	3	-	3	3	2	3	1	3	3	-	-	25
CO3	3	1	3	-	3	3	2	3	1	3	3	-	-	25
CO4	3	1	3	-	3	3	2	3	1	3	3	-	-	25
CO5	3	1	3	-	3	3	2	1	1	3	3	-	-	23
Grand total of COs with PSOs and POs														123
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ = $(\frac{123}{50})$														2.46

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.46
Observation	**COs of Economic Statistics – II Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: I BA Economics	Class	: III Allied -2
Semester	: II	Hours	: 75
Subject Code	: 22UECB22	Credit	: 04

ALLIED: INDIAN ECONOMY

(Outcome based syllabus under CBCS structure for the students to be admitted from the academic year 2022 - 2023)

Course Educational Objectives

- Familiarize with the nature of Indian economy
- Classify sectoral components of economy
- Assess the problems of Indian economy
- Analyze the components of economic reforms
- Argue the role of planning in India

UNIT – I: INTRODUCTION AND NATURE OF INDIAN ECONOMY   (15 HOURS)

Economic Development: Meaning – Distinction between Economic Development and Economic Growth - Determinants of Economic Growth – Characteristics of Indian Economy

UNIT – II: AGRICULTURE & INDUSTRY   (15 HOURS)

Agriculture: Role of Agriculture in Indian Economy – Green Revolution – Components – Impact of Green Revolution – Inter-Relationship between Agriculture and Industry – Sectoral Shares to GDP - Industrial Development in India – Role of Industry in Indian Economy - MSMEs: Definition – Importance

UNIT – III: ISSUES IN INDIAN ECONOMY   (15 HOURS)

Demography: Meaning - Demographic Profile of India (Latest Census) - Causes and Effects of Population Growth in India

Poverty: Meaning – Measuring of Poverty in India – Types of Poverty - Unemployment: Meaning – Types of Unemployment in India - Causes and Remedies of Poverty and Unemployment

UNIT – IV : GLOBALIZATION AND ECONOMIC REFORMS   (15 HOURS)

Economic Reforms: Meaning – Components - Liberalisation – Privatisation – Globalisation – Need – Importance – Weakness

UNIT – V: PLANNING   (15 HOURS)

Economic Planning - Meaning – Objectives – Five Year Plans – Achievements and Failures – A note on NITI Aayog

Books for Study:

1. Agrawal, A.N. *,* Agarwal, M.K. Indian Economy : Problems of Development and Planning , New Age International (P) Ltd., Publishers, New Delhi, 2017.

2. Gaurav Datt and Ashwani Mahajan, Datt & Sundharam's Indian Economy, S. Chand & Company, New Delhi, 2017.

3. Mishra & Puri, Indian Economy, Himalaya Publishing House, Mumbai, 2016.

Books for Reference

1. Dhingra I.C, Indian Economy, Sultan Chand & Sons, New Delhi, 2015
2. Garg, V.K., Indian Economic Problems, Sultan Chand & Sons, New Delhi, 2016
3. Economic Survey (Various Issues), Department of Economic Affairs, Ministry of Finance, Government of India

Teaching and learning methods

- Lectures
- Reading the text
- Summarizing
- Power point Presentation

Course Outcome

After completion of course Indian Economy the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Listing the problems of Indian Economy	K_2
CO_2	Identify the issues pertaining to the development of Indian Economy	K_3
CO_3	Discover the causes and remedies poverty and unemployment	K_3
CO_4	Understand the need of an economic reforms	K_2
CO_5	Recall the need and objectives of economic planning in India	K_2

K_1= Remembering, K_2= Understanding, K_3= Application and K_4= Analysis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	-	-	-	2	3	3	3	3	1	-	-	-	18
CO2	3	-	-	-	2	3	3	3	3	1	-	-	-	18
CO3	3	-	-	-	2	3	3	3	3	1	-	-	-	18
CO4	3	-	-	-	2	3	3	3	3	1	-	-	-	18
CO5	3	-	-	-	2	3	3	3	3	1	-	-	-	18
Grand total of COs with PSOs and POs														90
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = \left(\frac{90}{35}\right)$														2.57

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.57
Observation	**COs of Indian Economy Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	: B.A. Economics	Part	: III Core-5
Semester	: III	Hours	: 75
Subject Code	: 22UECC53	Credits	: 04

CORE: MONETARY ECONOMICS

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022-23)

Course Educational Objectives (CEO):
- To familiarise with the concepts of money, inflation and Trade cycle
- To analyse the economic implications of Money
- To know the links between inflation and liquidity
- To understand different theories of money and apply them in real world
- To realise the dimensions of trade cycle

UNIT – I: EVOLUTION AND FUNCTIONS OF MONEY **(15 Hours)**
Barter System: Meaning – Difficulties – Evolution of Money – Definitions of Money – Classification of Money – Functions of Money – Significance and Defects of Money – Gold Standard: Meaning – Causes for the Breakdown of Gold Standard – Gresham's Law – Paper Currency Standard – System of Note Issue.

UNIT – II: THEORIES OF MONEY **(15 Hours)**
Value of Money: Meaning – Standards in measuring value of money - Fisher'sQuantity Theory of Money- Cambridge Equations – A Comparison of Fisher's and Cambridge Equations – Keynes' Reformulated Quantity Theory of Money - Milton Friedman's Restatement of Quantity Theory of Money

UNIT – III: DEMAND AND SUPPLY OF MONEY **(15 Hours)**
Measures of Money Supply – Determinants of money supply - Theory of Money Supply – H Theory – Demand for Money: Meaning – Liquidity Preference Theory of Money

UNIT – IV: INFLATION, DEFLATION **(15 Hours)**
Inflation: Meaning – Types – Causes and Effects – Uses of WPI and CPI - Inflationary Gap– Measures to control Inflation - Deflation: Meaning – Causes – Effects – Measures to control Deflation – Stagflation: Meaning – Causes – Effects– Measures to control Stagflation – Demonetisation (Concept only)

UNIT - V:MONETARY POLICY AND TRADE CYCLE **(15 Hours)**
Monetary Policy: Meaning – Objectives – Economic Growth and Conflicting Objectives of Monetary Policy – Role of Monetary Policy in Developing Economy - Trade Cycle: Meaning – Features – Phases of Trade Cycle - Effects - Control of Trade Cycle.

Books for Study:
1. Seth M.L. Monetary Economics, Lakshmi Narain Agarwal, Agra, 2018
2. Sethi, T.T., Money, Banking and International Trade, S. Chand, New Delhi, 2017
3. Nath H S, Monetary Economics: An Introductory Text, KhelSahitya Kendra (K.S.K. Publishers & Distributors), New Delhi, 2016

Books for Reference:
1. Jordi Gali, Monetary Policy, Inflation, and the Business Cycle: An Introduction to the New Keynesian Framework and Its Applications, Princeton University Press, 2015
2. Harry G Johnson, Essays in Monetary Economics (Collected Works of Harry Johnson), Routledge, New Delhi, 2013
3. Mervyn Lewis, Paul Mizen, Monetary Economics, Oxford University Press, London, UK, 2000

Web Sources
- https://www.economicsdiscussion.net
- https://www.investopedia.com
- https://www.yourarticlelibrary.com

Teaching and learning methods:
- Lecture
- Reading the text
- Summaries each segment
- Class presentation

Course Outcomes

After completion of course Monetary Economics the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Narrate the evolution of money.	K$_1$
CO$_2$	Illustrate the determinants of the demand and supply of money.	K$_2$
CO$_3$	Analyze the impact of inflation and deflation	K$_4$
CO$_4$	Examine the role of monetary policy in Developing Economy	K$_4$
CO$_5$	Critically analyse the effect of each phases of trade cycle on Developing economy	K$_5$

K$_1$= Knowledge, K$_2$= Understanding, K$_3$= Application, K$_4$= Analysis and K$_5$= Synthesis

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	1	1	2	1		2	3	-	1	-	1	-	14
CO2	3	2	3	2	1		3	3	-	1	-	1	1	20
CO3	2	1	-	1	-		3	2	-	1	-	1	1	12
CO4	3	3	2	1	-		2	2	-	2	1	1	1	18
CO5	3	2	-	2	1		1	2	-	1	1	1	1	15
Grand total of COs with PSOs and POs														79
Mean Value of COs with PSO and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}} = \left(\dfrac{79}{47}\right)$														1.68

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs		1.68	
Observation	**COs of Monetary Economics in relation with PSOs and POs is medium**		

Degree	: B.A. Economics	Part	: III Allied - 3
Semester	: III	Hours	: 75
Subject Code	: 22UECA33	Credits	: 04

ALLIED : PRINCIPLES OF ACCOUNTANCY

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022-2023)

Course Educational Objectives (CEO):
- To understand the principles of accounting
- To acquire the knowledge, skills on tools of intermediate and financial accounting.
- To familiarize the aspects of money transactions
- To find the final fund of business and non-business enterprise
- To use the modern accounting software

UNIT - I FUNDAMENTALS OF ACCOUNTING   (15 Hours)

Accountancy: Meaning - Objectives - Advantages -Important Terms - Double Entry System Rules – Preparation of Journals – Ledger.

UNIT - II CASH BOOK AND TRAIL BALANCE   (15 Hours)

Cash Book: Meaning - Types of Cash Book- Single Column, Double Column, & Triple Column Cash Book Trial Balance- Meaning –Objectives – Methods – Preparation of Trail Balance.

UNIT - III ACCOUNTING FOR SOLE TRADER   (15 Hours)

Sole Trader: Meaning - Advantages - Preparation of Trading and Profit & Loss Account and Balance Sheet of a Sole Trader from a given Trial Balance with Simple Adjustments.

UNIT - IV ACCOUNTS FOR NON –PROFIT ORGANIZATIONS   (15 Hours)

Receipts & payments Account and Income and Expenditure Account: Meaning – Types -Difference between Receipts & payments Account and Income & Expenditure Account – Preparation of Income and Expenditure Account – Balance sheet (Elementary Problems Only)

UNIT-V INTRODUCTION TO ACCOUNTING SOFTWARE   (15 Hours)

Tally: Meaning – Objectives - Features - Company Information- Creation of a Company-Accounting Information- Creation of Ledger (Single or Multiple) - Voucher: Meaning - Types of Voucher - Inventory Voucher – Accounting Voucher. Voucher Entry - Configuration Accounts Voucher- Report of Tally

Books for Study

1. Grewal,T.S., Double Entry System, Sultan Chand& Sons .New Delhi. 2017.
2. Mukherjee, A. and M. Hanif, Modern Accountancy (Volume - I), Tata McGraw Hill Education Private Limited. New Delhi. 2018
3. Ramasamy. T. Financial Accounting, Gold Book publishing house. Srivilliputtur, 2018
4. Dr,NamrataAgrawal, , Tally 9, Dreamtech Press, New Delhi, 2015

Book for References

1. Gupta, R.L., Advanced Accountancy (Volume -I), Sultan Chand & Sons, New Delhi, 2017
2. Arulanandam& Raman, Advanced Accountancy, Chand & Co., New Delhi, 2012
3. Shukla, M.C.&Grewal, T.S., Advanced Accountancy, Sultan Chand & Sons, New Delhi 2016
4. Tally 9 Financial Accounting & Inventory Management System, Ramaiah Publications, Chennai, 2010

Website for References

1.https://www.principlesofaccounting.com
2. https://www.investopedia.com
3. https://www.naukri.com

Teaching and learning methods:
- Lecture
- Workout

- Summaries each segment
- Class presentation

Course Outcomes

After completion of course Principles of Accountancy the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Recalling fundamental concepts in Accounting and able to fit business transaction into ledger	K2
CO2	Asses and determine the cash transactions of business and prevent in Accounting statement and prepare the trail balance	K2
CO3	Illustrate and solving the final account of sole trader business	K4
CO4	Construct and Synthesize the preparation of non-trading accounts	K4
CO5	Demonstrate the accounting software in business	K3

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	3	2	-	3	2	2	1	2	2	3	2	1	25
CO2	2	2	3	-	3	3	3	1	2	2	2	1	1	25
CO3	1	2	2	-	3	2	2	-	2	2	3	-	1	20
CO4	2	1	1	-	2	2	2	1	2	1	1	1	1	17
CO5	2	1	1	-	3	2	2	1	2	2	2	1	1	20
Grand total of COs with PSOs and POs														107
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{107}{58})$														1.84

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs		1.84	
Observation	**COs of Principles of Accountancy in relation with PSOs and POs is medium**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	: B.A. Economics	Part	: III Core Elective-1
Semester	: III	Hours	: 60
Subject Code	: 22UECE13 (A)	Credits	: 03

CORE ELECTIVE (1A): Managerial Economics

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022 - 23)

Course Educational objectives (CEO):
- To familiarize the need of Managerial Economics.
- To apply the economic concepts in the Managerial practices.
- To inculcate the economic ideas for business decision making.
- To illustrate the nuances of economic theories in business mechanism
- To enlighten the significance of the demand and profit forecasting.

Unit – I INTRODUCTION TO MANAGERIAL ECONOMICS **(12 Hours)**
Managerial Economics: Meaning – Definition – Nature – Scope –– Role of Managerial Economist – Managerial Economics and Business decision making – Fundamental Concepts of Managerial Economics – Difference between Managerial Economics and Economics.

Unit – II DECISIONS MAKING AND DEMAND FORECASTING **(12 Hours)**
Decision Making: Meaning – Business Decisions Making – Objectives of Business Firms – Demand Forecasting: Meaning – Objectives – Short run and Long run Forecasting – Methods of Demand Forecasting for Established Product – Criteria for Good Forecasting

Unit – III PRICING **(12 Hours)**
Pricing policy – Meaning – Objectives - Pricing– Meaning – Methods of Pricing – Factors affecting Pricing Decision – Meaning of Differential Pricing – Base for Price Differentials – Conditions for Price Differentials – Aims of Differential Price – Government Intervention and pricing

Unit – IV PROFIT **(12 Hours)**
Meaning of Profit – Distinctions between Super normal profit and Normal Profit and Accounting profit and Economic Profit – Meaning of Profit Planning – Methods of Profit Planning – Meaning of Profit Policy – Aims of Profit Policy – Approaches to Profit Forecasting

Unit – V BREAK EVEN ANALYSIS **(12 Hours)**
Break even Analysis: Meaning – Assumptions – Break Even Chart – Break Even Point – Shutdown Point –Calculation of Break Even Point In terms of: Physical Units – Sales Unit – Managerial Uses of Break Even Analysis

Books for Study:
1. Mithani D M, Managerial Economics : Theory And Applications, Himalaya Publishing House, New Delhi, 2020.
2. Mehta P L., Managerial Economics - Analysis , Problems And Cases., Sultan Chand & Sons, New Delhi, 2016.
3. Varshney R.L., Maheshwari K.L., Managerial Economics., Sultan Chand & Sons., New Delhi 2014.

Books for Reference:
1. Craig H. Peterson, W. Cris Lewis, and Sudhir K. Jain, Managerial Economics, Pearson Education India, New Delhi, 2005.
2. H. L. Ahuja, Managerial Economics, S Chand Publishing, New Delhi, 2017
3. Dominick Salvatore, Managerial Economics: Principles And Worldwide Applications, Oxford University Press India, New Delhi, 2020.

Websites for reference:
1. https://www.microeconomicsnotes.com
2. https://corporatefinanceinstitute.com
3. https://www.toppr.com

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools
- o Case study

Course Outcome

After completion of course Managerial Economics the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Understand the nuances of microeconomic ideas in the business	K2
CO2	Relate the economic concepts to arrive business decision	K3
CO3	Forecast the demand and profit with the help of economic theories	K5
CO4	Apply the break-even analysis in business practice	K4
CO5	Assess the business conditions through economic doctrines	K4

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	3	3	3	3	3	3	3	-	3	3	2	-	-	29
CO2	3	3	3	3	3	3	3	-	3	3	3	-	-	30
CO3	3	3	3	3	3	3	3	-	3	3	3	-	-	30
CO4	3	3	3	3	3	3	3	-	3	3	3	-	-	30
CO5	3	3	3	3	3	3	3	-	3	3	3	-	-	30
Grand total of COs with PSOs and POs														149
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{149}{50})$														2.98

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.98
Observation	COs of Managerial Economics in relation with PSOs and POs is Strong		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	: B.A. Economics	Part	: III Core Elective - 1
Semester	: III	Hours	: 60
Subject Code	: 22UECE13 (B)	Credits	: 03

CORE ELECTIVE (1 B): PRINCIPLES OF MANAGEMENT
(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022 - 23)

Course Educational Objectives (CEO) :

1. To inculcate evolution of management concepts
2. To enlighten the implications of the planning of an organization
3. To impart the technique and structure of an organization
4. To familiarise the knowledge of Directing & Management culture
5. To educate the techniques of controlling mechanism

UNIT – I MANAGEMENT CONCEPTS AND PRINCIPLES **(12 Hours)**
Management: Meaning and Definition – Management Approaches – Characteristics of Management – Henry Fayol's Principles – Administration Vs Management – Management Functions – Manager – Role and Responsibilities

UNIT – II: PLANNING AND DECISION MAKING **(12 Hours)**
Planning: Meaning and Definition – Characteristics of Sound Plan –Steps in Planning Process – Methods of Planning – Planning Process – Limitations of Planning
Decision making: Definition– Characteristics of effective decision – Decision Making Process – Administrative Problems in Decision-making

UNIT – III: ORGANIZATION AND DELEGATION OF AUTHORITY **(12 Hours)**
Meaning and Definition – Organizational Structure – Nature and Importance – Functions of organization – Classification of Organization: Formal and Informal – Delegation of Authority – Importance – Elements – Departmentation – Meaning – Process – Types of Departmentation

UNIT – IV: STAFFING AND SUPERVISION **(12 Hours)**
Staffing: Definition – Elements – Functions and Process of Staffing – Recruitment and Selection – Career Strategy – Training and Development – Performance Appraisal
Directing: Nature – Elements – Supervision – Functions – Responsibilities – Communication – Importance – Types

UNIT – V: MOTIVATION and LEADERSHIP **(12 Hours)**
Motivation: Definition – Need for Motivation – Theories of Motivation – Maslow's Theory – Douglas McGregors Theory – Herzberg's Theory
Leadership: Definition – Functions – Qualities – Leadership Styles – Theories - Trait Theory – Behavioural Theory – Situational Theory

Books for Study:

1. Ramasamy. T, Principles of Management, Himalaya Publications, Bangalore, 2013
2. R.N. Gupta, Principles of Management, S. Chand & Company, New Delhi, 2014
3. Harold Koontz, Heinz Weihrich, Mark V. Cannice, Essentials of Management, McGraw Hill, 2020

Books for Reference:

1. Dick Carlson, Modern Management: Principles and Practices, Jai Co. Publishing, New Delhi, 1982
2. Rao V S P and Hari Krishna V, Management Texts and Cases, Excel Books, New Delhi, 2009
3. Chuck Williams & Manas Ranjan Tripathy, Principles of Management, Cengage Learning, New Delhi 2016

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Case Study
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Principles of Management the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Comprehend the core concepts of management	K2
CO$_2$	Explain the needs of planning by enterprises	K2
CO$_3$	Assess the activities of an organization	K3
CO$_4$	Lead people towards the accomplishment of organizational goals	K3
CO$_5$	Indicate the controlling activities of management	K2

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	*Sum of COs with PSOs and POs*
CO1	3	2	2	2	2	3	3	2	2	2	1	-	-	24
CO2	1	3	1	1	2	3	3	3	1	1	2	-	-	21
CO3	1	3	1	1	2	3	3	3	1	1	2	-	-	21
CO4	2	2	1	2	2	3	3	2	2	1	2	-	-	22
CO5	2	2	1	2	2	3	3	2	2	2	1	-	-	22
Grand total of COs with PSOs and POs														110
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\dfrac{110}{55})$														

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.0
Observation	COs of Principles of Management in relation with PSOs and POs is Medium		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	: B.SC.,	Part	: IV NME-1
Semester	: III	Hours	: 45
Subject Code	: 22UECN13	Credits	: 02

Non – Major Elective: Elements of Indian Economy

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022-23)

Course Educational Objectives (CEO):

- To familiarize with the concepts related to Indian Economy.
- To recall the demographic dividend in India.
- To summaries the concept of fiscal and monetary economics
- To know the importance of planning in an economy
- To list the various spheres of revolutions in India

UNITS – I INDIAN ECONOMY (9 Hours)

Indian Economy: Meaning – Features of Indian Economy - National Income: Concepts –– Sectoral Components - Sectoral Contribution to National Income – Mixed Economy: Features – Economic reforms – Reasons – Components – Planning commission – NITI AAYOG: Function

UNIT –II DEMOGRAPHY (9 Hours)

Demography: Meaning - Demographic Profile of India – Malthusian Theory of Population - Demographic Transition Theory - Population Policies in India – HDI and India: Meaning - Criteria – NLRM

UNIT – III MONEY AND BANKING (9 Hours)

Money – Currency – Fiat – Legal Tender Plastic money – Digital Currency – RBI - Functions – Monetary Tools: Cash Reserve Ratio – Statutory Liquidity Ratio- Repo Rate – Reverse Repo Rate - Marginal Standing Facility - Open Market Operation - Measure of Money Supply in India – Share Market: Meaning – Speculators: Meaning - Bull, Bear, Stag and Duck - Inflation : Meaning – Types – Core inflation – Headline inflation –Monetary Policy Committee – Structure and functions

UNIT – IV PUBLIC FINANCE (9 Hours)

Budget: Meaning – Components – Deficit: Budget Deficit - Revenue Deficit – Fiscal Deficit – Primary Deficit – Effective Revenue Deficit – Monetized Fiscal Deficit – Taxes: Meaning - Types - Direct Taxes - Indirect taxes - VAT: Meaning – GST: Meaning – Structure of GST Council – Tax Slabs - Finance Commission – (Horizontal and Vertical devolutions) – Recent Finance Commission.

UNIT – V POVERTY AND UNEMPLOYMENT (9 Hours)

Poverty: Meaning - Types – Poverty Measures in India – Labour Force participation – Work Force Participation in different sectors – Unemployment: Meaning – Types - Agrarian Revolutions in India – Social Welfare Schemes – MGNREGP – Poshan Abhiyaan -

Book for Study

1. V.K. Puri & S.K. Misra, Indian Economy, Himalaya Publishing House, Mumbai, 2018
2. K. Ray, The Indian Economy, Prentice Hall of India Pvt. Limited, New Delhi 2018
3. Gaurav Datt and Ashwani Mahajan, Datt & Sundharam's Indian Economy, S. Chand & Company, New Delhi, 2017

Books for Reference

1. Uma Kapila, Indian Economy Performance and Policies, Academic Foundation, New Delhi, 2019
2. K.R, Gupta and J R Gupta, Issues in Indian Economy, Atlantic publishers and Distributors, New Delhi, 2017
3. Ramesh Singh, Indian Economy, McGraw Hill, New Delhi, 2022

Websites for reference:

1. https://www.investindia.gov.in
2. https://www.finmin.com
3. https://www.drishtiias.com

Teaching and learning methods:

- Lecture
- Reading the text
- Summaries each segment

Course Outcomes

After completion of course Elements of Indian Economy the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Comprehend the various concepts and definitions of National income and economic policies in India	K2
CO2	Understand the demographic profile and Human development index	K2
CO3	Indicate the different tools of monetary policy and distinguish among different types of inflation	K2
CO4	Assess the different types of fiscal deficits and recognize the various taxes	K3
CO5	Explain the various kinds of poverty and unemployment	K3

K_1= Knowledge, K_2= Understanding and K_3= Application

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	2	2	2	-	2		2	2	1	2	2	2	1	1	21
CO2	2	3	-	-	1		2	2	3	2	2	2	1	1	21
CO3	3	3	2	-	1		2	2	2	2	2	2	1	1	23
CO4	2	1	-	-	1		2	2	2	2	1	1	1	1	16
CO5	2	2	-	-	1		2	2	-	-	2	2	1	1	15
Grand total of COs with PSOs and POs															96
Mean Value of COs with PSO and POs = $\frac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}} = \left(\frac{96}{55}\right)$															

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs		1.74	
Observation	**COs of Elements of Indian Economy Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: U.G. (Aided)	**Part**	: Self-Learning Course
Semester	: III	**Credit**	: 03
Subject Code	: 22UECSL3		

ECONOMICS OF SOCIAL PROBLEMS IN INDIA

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022-23)

Course Educational Objectives (CEO):
- To disseminate the concept of Social problem.
- To summarise on poverty and population
- To understand child problems
- To recognize Illiteracy and Black money
- To discuss communalism and communal violence

UNIT - I: CONCEPTS AND APPROACHES

Concepts, Characteristics, Causes, Types, Stages in the Development of Social Problem, Social Problem and Social Change in India.

UNIT – II: POVERTY & POPULATION

Poverty: Concept, Measurement, Incidence and Magnitude, Causes, Problems of poor and pains of poverty, Measures for Poverty Alleviation.

Population: Increase in Population, Causes, Effects, Population Policy, Family Planning, Measures to Control Population.

UNIT – III: CHILD LABOUR, CHILD ABUSE AND GENDER ISSUES

Child Labour: Child Population and Working Children.

Child Abuse: Concepts, Types, Incidence, Theoretical Explanation, Victims, Causes, Effects, Problems of Child Labour.

Gender Issue: Women Harassment, Nature, Extent, Characteristics, Violence against Widows, Victims of Violence, Perpetrators of Violence, Motivation in Violence, Types of Violence.

UNIT – IV: ILLITERACY & BLACK MONEY

Education, Development, Magnitude of Illiteracy, National Policy on Education, Measures adopted for eradicating illiteracy, Efforts by Voluntary Organizations.

Black Money: Meaning, Magnitude, Causes, Effects, Measures to Control.

UNIT – V: COMMUNALISM AND COMMUNAL VIOLENCE

Communalism: Concept of Communalism, Communalism in India.

Communal Violence: Causes, Theories, Role of Police, Prescriptive Measures.

Books For Study:
1. Ahuja Ram. 1990, Social Problems in India, Rawat Publications, Jaipur.
2. Kuppuswamy. 1993, Social change in India, Konark Publications, New Delhi.
3. Agarwal .A.N. 2003, Indian Economy, New Age International Publishers, New Delhi.

Books for Reference:
1. Sharma Ramnath. 1997, Indian Social Problems, Oxford & IBH, New Delhi.
2. Chandran E. 1994, Social Problems of India, Cosmos Bookhire, New Delhi.
3. Misra &Puri. 2005. Indian Economy, Himalaya Publishing House, Mumbai.

Websites for reference:
1. https://www.toppr.com
2. https://onlinecourses.swayam2.ac.in

3. https://ccsuniversity.ac.in

Teaching and learning methods:
- Lecture
- Reading the text
- PowerPoint presentation
- Quiz
- Journals and Magazines

<u>**Course Outcomes**</u>

After completion of course Economics of social problems in India the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Identify the concept of social problem	K2
CO2	Explain Poverty and Population	K2
CO3	Understand child related problems	K2
CO4	Aware about illiteracy and black money	K3
CO5	Comprehend communalism and communal violence	K3

K_1= Knowledge, K_2= Understanding and K_3= Application

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO2	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO3	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO4	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO5	3	2	-	2	2		3	3	2	3	1	-	-	-	21
Grand total of COs with PSOs and POs															101
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{101}{45})$															2.24

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.24
Observation	**COs of Economics of social problems in India Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	: B.A. Economics	Part	: III Core-6
Semester	: IV	Hours	: 75
Subject Code	: 22UECC64	Credits	: 05

CORE: BANKING

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2022-23)

Course Educational objectives (CEO):
- To familiarize the basics of Indian Banking systems.
- To understand the functioning of banking systems.
- To highlight the role of banking institutions in the development of the economy.
- To know the operations of financial markets.
- To examine the working of monetary tools

UNIT – I BANKING SYSTEM   *(15 Hours)*

Banking: Meaning – Functions of Banking System - Components of Banking System – Classification of Banks – Commercial Banks – Development Banks – Cooperative Banks – Role of Banks in Developing Economy

UNIT – II COMMERCIAL BANKING IN INDIA   (15 Hours)

Nationalization of Commercial Banks: Reasons – Achievements and Failures Commercial Bank – Deposit Insurance and Credit Guarantee Corporation – A Note on NBFI – Development Banks: Meaning – Features – Structure -– E-Banking: Meaning – Forms of e-banking - Models of e-banking - Benefits of e-banking - Risk Management for e-banking – Recent Banking Sector Reforms in India

UNIT – III CENTRAL BANK   (15 Hours)

Central Bank: Meaning - Necessity of Central Bank – Principles of Central Banking Functions of Central Bank – Role of Central Bank in Developing Countries

UNIT – IV CREDIT CONTROL   (15 Hours)

Credit Creation: Meaning - Technique – Credit Control: Meaning – Objectives of Credit Control - Methods of Credit Control: Quantitative Credit Control methods – Bank Rate or Discount Rate Policy – Open Market Operation – Variable Cash Reserve Ratio – Qualitative or Selective Credit Control Methods: Meaning – Objectives – Selective Credit control Methods – Types of Selective Credit Control Method

UNIT - V:FINANCIAL MARKET   (15 Hours)

Money Market: Meaning – Institutions of Money Market – Instruments of Money Market – Functions of Money Market – Capital Market: Meaning – Functions– Difference and interrelations between Money Market and Capital Market – Measures to Strengthen the Money and Capital Market – Speculators: Meaning - Kinds (Bull, Bear, Stag, Duck) – SEBI - Objectives

Books for Study:
1. Mithani D M, Money, Banking, International trade and Public Finance, Himalaya Publication house Mumbai, 2017
2. HajelaT.N. Money, Banking and International Trade, ANE Books Pvt. Ltd, New Delhi, 2016
3. Gurusamy S, Banking Theory Law and Practice, Vijay Nicole Imprints Private limited, Chennai - 2016

Books for Reference:
1. Seth M.L. Money, Banking, International Trade and Public Finance, Vrinda Publications P Lt, 2014
2. Maclod Henry Dunning, Elements of banking, Longmans, Green, & Co - London, UK, 2005
3. Ken Hoyle, Money and Banking Made Simple, et al, Rupa and Co, New Delhi, 2015

Syllabus 2023-24

Websites for reference:
1. https://app1.unipune.ac.in
2. https://rbidocs.rbi.org.in
3. https://nios.ac.in

Teaching and learning methods:
- Lecture
- Reading the text
- Summaries each segment
- Class presentation

Course Outcome

After completion of course Banking the student will be able to

Sl.no	Course outcomes	Knowledge level (Bloom's taxonomy)
CO$_1$	Recognize the working and importance of commercial Banks	K$_3$
CO$_2$	Describe the functions of RBI and understand the role of monetary tools in Indian economy	K$_3$
CO$_3$	Trace the evolution of Commercial Banking system in India	K$_3$
CO$_4$	Assess the relevance of money and capital marketing in India and understand the movement of share market	K$_4$
CO$_5$	Guide the public in Traditional and e - Banking transactions	K$_5$

K$_1$= Knowledge, **K$_2$**= Understanding, **K$_3$**= Application, **K$_4$**= Analysis and **K$_5$**= Synthesis

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	2	1	2	2		3	2	-	1	2	1	1	19
CO2	3	3	2	1	1		3	2	-	1	1	1	1	19
CO3	2	2	1	2	1		2	2	-	2	1	1	1	17
CO4	3	3	2	1	2		3	3	1	3	2	2	2	27
CO5	3	3	2	-	2		3	3	2	2	1	1	1	23
Grand total of COs with PSOs and POs														105
Mean Value of COs with PSO and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}} = \left(\dfrac{105}{56}\right)$														1.87

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs		1.87	
Observation	**COs of Banking in relation with PSOs and POs is medium**		

ARUL ANANDAR COLLEGE (Autonomous) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: II BA Economics	Part	: III Allied-4
Semester	: IV	Hours	: 75
Subject Code	: 22UECA44	Credit	: 04

Allied: ACCOUNTING FOR MANAGEMENT

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2022 - 23)

Course **Educational** *Objectives (CEO)*
- To recall the basic principles of accounting
- To identify the different business transaction
- To analyse the financial statements
- To find the funds flow of the Company
- To calculate the cost of commodity

UNIT – I   MANAGEMENT ACCOUNTING   (15 Hours)
Management Accounting: Meaning - Objectives - Functions - Ratio Analysis - Meaning-Classification of Ratios – Liquidity Ratios and Profitability Ratios.

UNIT - II   FINANCIAL STATEMENT   (15 Hours)
Analysis of Financial Statements: Meaning –Objectives –Uses - Types - Common Size Statements Analysis - Comparative Statements Analysis -Trend Analysis.

UNIT-III   FUNDFLOW ANALYSIS   (15 Hours)
Meaning – Objectives – Advantages – Limitations – Statement of changes in working capital – Preparation of Fund Flow Statement.

UNIT - IV CASH FLOW ANALYSIS   (15 Hours)
Definition –Sources and Applications – Objectives – Advantages –Limitations – Procedure of Preparing Cash Flow Statement.

UNIT – V COST SHEET   (15 Hours)
Costing: Meaning – Objectives – Advantages – Differences between Cost& Financial Accounts – Classification of Costs –Preparation of Cost Sheet

Books for Study
1. Maheswari, S.N.,"Management Accounting", Sultan &sons, New Delhi, 2017
2. Jain S.P. and K.LNarang. " Cost Accounting" Kalyani Publications, New Delhi, 2017
3. Wilson. M., Management Accounting. Himalaya Publishing House. New Delhi., 2014

Books for Reference
1. Shukla. MC, T.S Grewal, , Cost Accounting" S.Chand&Company Ltd., New Delhi, 2010
2. Srinivasan & Ramachandran "Management Accounting," Sriram Publications, Tiruchy, 2010
3. RSN Pillai, Bagavathi **"Management Accounting,"** S Chand , New Delhi ,2010

Website for Reference
1.https://www.principlesofaccounting.com
2. https://www.investopedia.com
3. https://www.naukri.com

Teaching and Learning Methods:
- Lectures
- Summary of each section
- Class Presentation
- Work out

Course Outcomes

After completion of course Accounting for Management the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Recognise the management accounting and Generate the financial figures	K_3
CO_2	Formulate fund management skill and Analyse different financial statements	K_4
CO_3	Identify the fund flow management	K_4
CO_4	Demonstrate the cash flow management of enterprises	K_3
CO_5	Find the total costs of commodity and the selling price	K_3

K_1= Knowledge, K_2= Understanding, K_3= Application, and K_4= Analysis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	2	3	2	-	3		2	2	-	1	1	2	1	1	20
CO2	1	3	2	-	3		2	2	-	1	1	3	2	2	22
CO3	3	2	2	-	2		2	2	-	2	1	3	2	2	23
CO4	2	3	2	-	3		2	2	-	1	1	2	2	2	22
CO5	3	2	2	-	3		2	2	-	2	2	2	2	2	24
Grand total of COs with PSOs and POs															111
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{111}{55})$															2.01

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.01
Observation	**COs of Accounting For Management Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	: B.A. Economics	Part	: III Core Elective-2
Semester	: IV	Hours	: 60
Subject Code	: 22UECE24 (A)	Credits	: 03

Core Elective: QUANTITATIVE APTITUDE

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2022-23)

Course **Educational** *Objectives (CEO)*

- To recall the fundamental mathematical operation
- To solve the problems in shortest time
- To compare different methods to solve the problem
- To apply the mathematical problems in real life situation
- To forecast the outcome

Unit – I   **(12 Hours)**
Simplification – Problems on Numbers – Problems on Ages

Unit – II   **(12 Hours)**
Surds & Indices **–** Average **–** Percentage

Unit – III   **(12 Hours)**
Ratio & Proportion **–** Partnership **–** Profit & Loss

Unit – IV   **(12 Hours)**
Time & Distance **–** Time & Work - Area

Unit – V   **(12 Hours)**
Simple Interest **–** Compound Interest

Book for Study

1. Aggarwal R.S. Quantitative Aptitude for Competitive Examinations, Sultan Chand & Sons, New Delhi, 2013
2. Rajesh BalasubramanianQuantitative Aptitude for the CAT, **Access Publishing India Private Limited, New Delhi,** 2015
3. AbhijitGuha, Quantitative Aptitude for All Competitive Examinations, Tata McGraw Hill Education, New Delhi, 2016

Books for Reference

1. Khattar, Quant Aptitude for COMP Exams Pearson Education India, Chennai, Tamil Nadu, 2015
2. Arihant Experts, Chapterwise Solved Papers 2000-2015 Bank PO QUANTITATIVE APTITUDE, Arihant Publications, New Delhi, 2016
3. Quantitative Aptitude magazines (Various Issues)

Website for reference
1. http://www.prep4paper.com
2. https://www.javatpoint.com
3. https://www.geeksforgeeks.org

Teaching and Learning Methods:

- Lectures
- Home work
- Problem Solving
- Class Presentation
- Assignment

Course Outcomes

After completion of course Quantitative Aptitude the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Illustrate the simplification and average	K$_3$
CO$_2$	Analyze the profit and loss of the product	K$_4$
CO$_3$	Measuring the ratio and proportion of shares among the partners	K$_1$
CO$_4$	Differentiate from simple interest and compound interest	K$_4$
CO$_5$	Identify the volume & surface area	K$_5$

K$_1$= Knowledge, K$_2$= Understanding, K$_3$= Application, K$_4$= Analysis and K$_5$ = Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	3	3	2	-	3		3	3	-	2	3	3	3	2	30
CO2	3	1	2	-	3		3	3	-	1	2	2	2	2	24
CO3	3	1	3	-	3		3	3	-	2	3	3	3	2	29
CO4	2	2	-	-	3		3	3	1	2	3	3	2	2	26
CO5	2	-	-	-	3		2	2	-	2	2	3	2	2	20
Grand total of COs with PSOs and POs															129
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\dfrac{129}{53})$															2.43

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.43
Observation	**COs of Quantitative Aptitude Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Degree	**: B.A. Economics**	**Part**	**: III Core Elective - 2**
Semester	**: IV**	**HOURS : 60**	
Subject Code	**: 22UECE24 (B)**	**CREDITS: 03**	

VERBAL AND NON-VERBAL REASONING

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2022 - 2023)

Course Educational Objectives (CEO) :

1. To grasp the concepts in classification and blood relations.
2. To understand mathematical operations and data sufficiency
3. To assess the assertion and reason
4. To inculcate methods to find out series and analogy
5. To outline figure matrix and analysis

VERBAL REASONING

UNIT – I VERBAL REASONING – I (12 Hours)

Analog – Classification - Series completion – Coding – Decoding – Blood relations – Puzzle test – Sequential output tracing – Direction sense test – Logical venn diagrams – Alphabet test – number, Ranging and Time sequence test.

UNIT – II VERBAL REASONING – II (12 Hours)

Mathematical operations – Logical sequence of words – Arithmetical reasoning – Inserting the missing character – Data sufficiency – Decision-making

UNIT – III VERBAL REASONING – III (12 Hours)

Assertion and reason – Situation reaction test **–** Verification of truth of the statement.

NON-VERBAL REASONING

UNIT – IV NON-VERBAL REASONING - I (12 Hours)

Series – Analogy – Classification – Analytical reasoning – Mirror images – Water images – Embedded figures – Completion of incomplete pattern

UNIT – V NON-VERBAL REASONING – II (12 Hours)

Figure matrix – Paper folding – Paper cutting – Rule detection – Grouping of identical figures – Cubes and dice – Dot situation – Construction of squares and triangles – Figure formation and analysis

Book for study:

1. R.S. Aggarwal, A Modern Approach to Verbal and Non-Verbal Reasoning, S. Chand And Company Limited, New Delhi, 2021.
2. Rajesh Kumar Thakur, A Latest Approach to Verbal & Non-Verbal Reasoning, Prabhat Prakashan, New Delhi, 2022.
3. Sijawli BS, A New approach to reasoning – Verbal, Nonverbal & Analytical., Arihant publications India limited, New Delhi, 2020.

Books for Reference:

1. Pratiyogita Darpan (Various issues), Upkar Prakashan, Uttar Pradesh.
2. Competition success review (Various issues), A CSR Publication, New Delhi.
3. Competition Refresher (Various issues), Bright Group Of Publications, New Delhi.

Website for reference:

1. https://www.indiabix.com
2. https://duhslibrary.ac.in
3. https://www.tutorialride.com

Syllabus 2023-24

Teaching and learning methods

- Lecture
- Power point
- Brainstorm
- Quiz
- Videos

Course Outcome

After completion of course verbal and non-verbal reasoning the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Workout coding and decoding	K2
CO_2	Assess the Mathematical operations	K4
CO_3	Analyse assertion and reason	K3
CO_4	Compute analogy and series	K3
CO_5	Construct squares and triangles	K3

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	3	3	2	-	3		3	3	-	2	3	3	3	2	30
CO2	3	1	2	-	3		3	3	-	1	2	2	2	2	24
CO3	3	1	3	-	3		3	3	-	2	3	3	3	2	29
CO4	2	2	-	-	3		3	3	1	2	3	3	2	2	26
CO5	2	-	-	-	3		2	2	-	2	2	3	2	2	20
Grand total of COs with PSOs and POs															129
Mean Value of COs with PSO and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}} = \left(\dfrac{129}{53}\right)$															2.43

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.43
Observation	**COs of verbal and non-verbal reasoning Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625514
DEPARTMENT OF ECONOMICS

Class	: II BA Economics	Part	: IV NME-2
Semester	: IV	Hours	: 45
Subject Code	: 22UECN24	Credit	: 02

Non Major Elective: **COMPARATIVE ECONOMIC SYSTEM**

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2022-23)

Course Educational *Objectives (CEO)*

- To familiarise with different economic system
- To interpret the inherent problem in various economic system
- To compare different economic system
- To understand the economic system in India
- To analyze the convergence of economic system

UNIT – I MEANING, NATURE AND SCOPE OF ECONOMIC SYSTEMS   (9 HOURS)

Economic System: Meaning – Features - Importance of the study of Economic System

UNIT – II CAPITALISM   (9 HOURS)

Capitalism: Definition - Institutions of Capitalism - Evolution of Capitalism- Achievements of Capitalism - Shortcomings of Capitalism - Problem of inequality and under employment under Capitalism.

UNIT – III SOCIALISM AND COMMUNISM   (9 HOURS)

Socialism: Meaning – Definition - Characteristics of Socialism -Advantages of Socialism - Shortcomings of Socialism

Communism: Definition – Features – Advantages and Disadvantages – Communism Vs Socialism: Similarities – Differences

UNIT – IV MARXISM   (9 HOURS)

Marxian Economics: Main Elements of Marxism – Importance – Assessment of Marxian Theory of Economic Development.

UNIT – V INDIAN THINKING OF ECONOMIC SYSTEMS   (9 HOURS)

Mixed Economy: Meaning – Features – Merits – Demerits – Convergence of Economic System – Gandhian Economics: Salient Features – Merits – Demerits

Books for Study

1. Sen, K.K. Comparative Economic System, Sultan Chand & Sons, New Delhi, 2009
2. Israney, Text Book of Economic System, Himalaya Publishing House, Mumbai, 1976

Books for Reference

1. Rosser Barkley, Comparative Economics in a Transforming, Prentice Hall of India, New Delhi, 2003
2. Martin Schnitzer James W. Nordyke Comparative Economic Systems Hardcover, Sultan Chand & Sons, New Delhi, 1999

Website for references:

1. https://www.bu.edu
2. https://www.insightsonindia.com
3. https://nou.edu.ng

Teaching and Learning Methods:

- Lectures
- Reading the text
- ICT- Class Presentation
- Discussion
- Debate

Course Outcome

After completion of course Comparative Economic System the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Listing the features of economic system	K$_1$
CO$_2$	Analyze the Capitalism	K$_4$
CO$_3$	Differentiate Socialism from Communism and point out its similarities	K$_4$
CO$_4$	Argue the importance and need of Marxian economic system at present scenario	K$_3$
CO$_5$	Relate the convergence of Indian economic systems	K$_4$

K$_1$= Knowledge, **K$_2$**= Understanding, **K$_3$**= Application and **K$_4$**= Analysis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	1	-	-	1	-		2	2	1	-	-	-	1	1	9
CO2	1	1	-	2	1		2	2	2	2	1	1	1	1	17
CO3	2	3	-	3	1		2	2	2	2	1	1	1	-	20
CO4	2	2	-	2	1		2	2	2	2	1	1	-	1	18
CO5	1	3	-	2	1		2	2	1	1	2	1	1	1	18
Grand total of COs with PSOs and POs															82
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\dfrac{82}{53})$															1.54

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs		1.54	
Observation	**COs of Comparative Economic System in relation with PSOs and POs is medium**		

Class	: U.G. (Aided)	Part	: Self Learning Course
Semester	: IV	Hours	:
Code	: 22UECSL4	Credit	: 03

LABOUR PROBLEMS AND SOCIAL WELFARE

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2022-23)

Course Educational Objectives (CEO) :

1. To instruct the basics of Labour Economics
2. To educate about the implications of wages and employment
3. To highlight the Trade unions and Industrial relations
4. To educate on the labour welfare measures
5. To enlighten on International Labour Organisation

UNIT - I: INTRODUCTION

Labour: Meaning, Importance, Nature and Scope of Labour Economics, Characteristics of Labour, Forms of Labour

UNIT- II: WAGES AND EMPLOYMENT

Wages: Types of Wage Payment, Wage Structure and Wage Differentials, Wage Structure in India.

Employment: Recruitment, Training and Development, Problems of Unemployment, Causes of Unemployment, Types of Unemployment.

UNIT – III: TRADE UNION AND INDUSTRIAL RELATIONS

Trade Union: Origin and Growth, Functions, Features of a Good Trade Union, Hurdles for Trade Union Development, Role of Trade Unions in the context of Globalization. Industrial Relations: Conflicts, Disputes, Ways of Settling Industrial Disputes, Workers Participation in Management.

UNIT - IV: LABOUR WELFARE

Labour Welfare: Various Schemes in India, Performance.

UNIT - V: ILO

ILO: Functions, Achievements.

Books for study:

1. Desai & Rao. 1986, Labour Problems and Social Welfare, RB publications, New Delhi.
2. Agarwal Shoba. 1993, Labour Problems and Social Welfare, Ratan Prakashan, Agra.

Books for Reference

1. Ramaswamy, E.A., & Ramaswamy Uma. 1985, Industry and Labour, An introduction Oxford & IBH, New Delhi.
2. Saxena, K. 1986, Labour Economics & Social Welfare, Nath& Co, Meerut.

Website for references:

1. https://labour.gov.in
2. http://oer.funai.edu.ng
3. https://monad.edu.in/img

Teaching and learning methods

- o Lecture
- o Power point
- o Brainstorm
- o Quiz
- o Journals
- o Reports

Course Outcome

After completion of course Labour Problems and Social Welfare the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Expound the introduction of Labour Economics	K3
CO_2	Outline the wages and employment	K2
CO_3	Identify Trade union and Industrial relations	K2
CO_4	Narrate various Labour welfare measures	K3
CO_5	Explain the functions of ILO	K2

K1= Remembering, K2= Understanding and K3 = Application

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level
CO1	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO2	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO3	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO4	3	1	-	2	2		3	3	2	3	1	-	-	-	20
CO5	3	2	-	2	2		3	3	2	3	1	-	-	-	21
Grand total of COs with PSOs and POs															101
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{101}{45})$															2.24

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.24
Observation	**COs of Labour Problems and Social Welfare Strongly related with PSOs and POs**		

B.A. ECONOMICS

Part	Sub. Code	Nature of the Paper	Paper	Hours	Credit
			V SEMESTER		
	19UECC75	Core – VII	Development Economics	06	05
	19UECC85	Core - VIII	Fiscal Economics	05	04
III	19UECC95	Core - IX	Mathematical Methods	05	04
	19UECD05	Core - X	Marketing Management	05	04
	19UECD15	Core – XI	History of Economic Thought	05	04
IV	19USBZ15	Skill Based Elective Theory - I	Fundamentals of Computer, Internet & Office Automation	01	01
	19USBY15	Skill Based Elective Practical - II	Fundamentals of Computer, Internet & Office Automation - Practical	02	01
	19USSI16		Soft Skill	01	-
	19UINT15		Internship	-	01
				30	24
			VI SEMESTER		
	19UECD26	Core - XII	Indian Economy	06	05
	19UECD36	Core - XIII	Demography	05	04
III	19UECD46	Core - XIV	Mathematical Economics	05	04
	19UECD56	Core - XV	Environmental Economics	05	04
	19UECD66	Core - XVI	Principles of Management	05	04
IV	19USBZ26	Skill Based Elective Theory - II	Web Design	01	01
	19USBY26	Skill Based Elective Practical – II	Web Design - Practical	02	01
	19USSI16		Soft Skill	01	02
				30	25

Semester		I	II	III	IV	V	VI	Total
Credits		24	25	22	24	24	25	144

Part – I   **16 Credits**

Part – II   **16 Credits**

Part – III

Core	70 Credits
Allied	16 Credits
Core Elective	06 Credits
Total	**92 Credits**

Part –IV

Non –Major Elective	04 Credits
Skill Based Elective	04 Credits
Foundation Course	04 Credits
Total	**12 Credits**
Part – V Extension	**02 Credits**

Others

Bridge Course	01 Credit
Soft Skill	02 Credits
Communication Skill	01 Credit
ARISE	01 Credit
Internship	01 Credit
Total	**06 Credits**
Grant Total	**144 Credits**

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF ECONOMICS

Programme Specific Outcome (PSO)

S. No	*Outcome*
PSO1	Identify the core economic concepts and theories
PSO2	Correlate the economic theories and concepts with real life situations
PSO3	Predict the future economic events by applying economic models
PSO4	Apply the different economic policies at different economic environment
PSO5	Exercise the subject knowledge of Economics to get employment and opportunities in higher education

Class	: B.A. Economics	Part	: CORE-7
Semester	: V	Hours	: 90
Subject Code	: 19UECC75	Credits	: 05

CORE: DEVELOPMENT ECONOMICS

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :

1. To introduce the factors associated with economic development
2. To understand the role and importance of Capital formation, Agriculture and Industry
3. To discuss the self-regulating system for economic development
4. To teach the transition process of an economy from the state of backwardness
5. To focuses on conditions for economic development

UNIT I: ECONOMIC DEVELOPMENT AND HUMAN DEVELOPMENT INDICES   (18 hours)

Economic Development: Meaning – Economic growth *vs* Economic Development – Determinants of Economic Development – Obstacles to Economic Development - Characteristics of Modern Economic Growth –Human Development Index: Meaning – Components – Construction of HDI

UNIT II: DOMESTIC MEASURES FOR ECONOMIC DEVELOPMENT   (18 hours)

Meaning of Capital Formation - Importance of Capital Formation - Reasons for Low Rate of Capital Formation - Sources of Capital Formation

Agriculture and Economic Development - Role of Industrialisation for economic development - Interrelationship between Agricultural and Industrial Development

UNIT – III: CLASSICAL ECONOMIC THEORIES   (18 hours)

Adam Smith – David Ricardo – Malthus -   Marx's Theory - Stages of Growth - Rostow's Stages of Development

UNIT IV: GROWTH THEORIES   (18 hours)

Lewis Theory of Unlimited Supplies of Labour – Lebeinstein's Critical Minimum Effort Thesis – Big Push Theory – Doctrine of Balanced Growth and Unbalanced Growth

UNIT V: GROWTH MODELS   (18 hours)

Meaning and Uses of Growth Models - Solow's – Mahalanobis Model: Four Sector Model - Harrod – Domar Model – Joan Robinson's Model of Capital Accumulation

Books for Study

1. Misra & Puri, Economics of Development and Planning - Theory And Practice, Himalaya Publishing House, New Delhi, 2016
2. Jhingan, M.L., Economics of Development and Planning, Vrinda Publications P LT Pvt. Ltd., New Delhi, 2016
3. Taneja M.L. & Myer R.M., Economics of Development and Planning Vishal Publishing Co, Jalandhar, Punjab, 2016

Books for Reference

1. Thirlwall A.P., Economics of Development – Theory and Evidence, Palgrave Macmillan, 2016.
2. Kundan Lal and Agarwal, A.N., Economics of Development and Planning, Vikas Publishing House Pvt. Ltd., New Delhi, 2015

3. Mamatha Patnakar, Economic Planning Principles and Practice, Sultan Chand & Sons, New Delhi, 2014

Teaching and learning methods
- o Lecture
- o Tutorials
- o Power point
- o Group discussion
- o Quiz
- o Assignment

Course Outcome

After completion of course Economics of Development the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Relate the Economic growth and development	K3
CO$_2$	Highlight the need for capital formation	K2
CO$_3$	Describe the self-regulating system of an economy	K3
CO$_4$	Outline the conditions for economic transition	K3
CO$_5$	Illustrate the functional relationship between national income and its determinants	K3

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	2	2	2	3	3	2	-	1	2	2	2	27
CO2	3	3	2	2	2	3	3	2	-	1	2	2	2	27
CO3	2	2	3	3	3	3	3	1	3	2	3	1	2	31
CO4	2	2	3	3	3	3	3	1	3	2	3	1	2	31
CO5	3	3	3	3	2	3	3	-	1	2	3	1	1	28
Grand total of COs with PSOs and POs														144
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{144}{62})$														2.32

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.32
Observation	**COs of Economics of Development Strongly related with PSOs and POs**		

Class	: B.A. Economics	Part	: CORE-8
Semester	: V	Hours	: 75
Subject Code	: 19UECC85	Credits	: 04

FISCAL ECONOMICS

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
1. To introduce the scope of public finance
2. To impart the knowledge of public revenue and expenditure
3. To educate about the technicalities of direct and indirect taxes
4. To teach the need and management of public debt
5. To enlighten the federal finance system

Unit I – Introduction: (15 hours)
Meaning and definitions - scope and subject matter of public finance – Functions of a state – private and public finance – Principle of Maximum Social Advantage.

Unit II - Public Revenue : (15 hours)
Meaning, definition and sources of public revenue – classification of public revenue – canons of
taxation – types of taxes – characteristics of a good tax system – objectives of tax – Taxable capacity – Shifting and incidence of taxation : Meaning – Direct taxes – Types – Indirect taxes : Meaning – Difference between direct and indirect taxes – Effects of taxation – VAT - Meaning – GST – Meaning - Procedure

Unit III - Public Expenditure : (15 hours)
Meaning and definition – public and private expenditure – classification of public expenditure -
canons of public expenditure – causes for the growth of public expenditure – Effects of public
Expenditure - Control of public expenditure

Unit IV - Public Debt : (15 hours)
Meaning of public debt – causes of public debt – classification of public debt – objectives of public debt – burden of public debt – Redemption of public debt – Effects of public debt – debt Management

Unit V- Budget : (15 hours)
Meaning of budget – characteristics of a good budget – principles of budgeting – functions of a Budget – types of budget – Budgetary procedure – Zero based budgeting – Finance Commissions and their functions – recommendation of last two finance commissions – Fiscal Policy – Meaning and objectives

Books for Study:
1. John Kennedy, M, Public Finance, PHI, New Delhi.
2. Tyagi, B.P., Public Finance, Jai Prakash Nath & Co, Meerut.
3. Vaish, M.C., Public Finance, Allied Publishers Pvt Ltd, New Delhi.

Books for Reference:
1. Dalton,H, Routledge and Kegan Paul, Principles of Public Finance, Allied Publications, New Delhi.

2. Chelliah, Raja, J, Fiscal Policies in Developed Countries, Himalaya Publishing House, Mumbai.
3. Musgrave, R.A, Theory of Public Finance, McGraw Hill, Tokyo.
4. Mankar, Public Finance & International Trade, Himalaya Publishing House, Mumbai.
5. Bhatia, H.L., Public Finance, Vikas Publishing House Pvt. Ltd, New Delhi.

Teaching and learning methods
- o Lecture and tutorial
- o Newspaper cutting
- o Survey Reports
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Fiscal economics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Comprehend the scope of public finance	K2
CO$_2$	Outline the sources of public revenue	K4
CO$_3$	List out the causes of public expenditure	K3
CO$_4$	Analyse the public debt	K4
CO$_5$	Evaluate the budget and fiscal policy	K4

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	3	2	2	1	3	3	2	-	1	2	2	1	24
CO2	2	3	2	2	1	3	3	2	-	1	2	2	1	24
CO3	2	3	2	2	1	3	3	2	-	1	2	2	1	24
CO4	3	3	3	2	2	3	2	1	1	2	2	2	1	27
CO5	3	3	3	2	2	3	3	2	2	2	2	2	1	30
Grand total of COs with PSOs and POs														129
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{129}{62})$														2.08

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.08
Observation	**COs of Fiscal Economics Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR - 625514
DEPARTMENT OF ECONOMICS

Class	: B.A. Economics	Part	: CORE-9
Semester	: V	Hours	: 75
Subject Code	: 19UECC95	Credits	: 04

MATHEMATICAL METHODS

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :

1. To introduce fundamental concepts in Mathematics
2. To provide a mathematical background to solve linear equations
3. To familiarise the technicalities involved in the mathematical calculations
4. To deal with the well-defined collections of objects
5. To enhance the knowledge of matrices

UNIT – I: FUNCTIONS (15 hours)

Mathematical Methods: Meaning, Simple Functions: Meaning - Graphs of the Type - Straight Line – Quadratic – Exponential – Logarithmic – Equations of Straight Line: Slope-Intercept Form – Slope-Point Form – Two Point Form – Intercept Form – General Form – Parallel Straight Line – Perpendicular Straight Line.

UNIT–II EQUATIONS (15 hours)

Finding the Solutions of Linear and Simultaneous Equations: Three variables - Equations of the Second Degree in Two Variables and Solutions

UNIT–III EXPONENTS, LOGARITHMS, PERMUTATIONS AND COMBINATIONS (15 hours)

Exponents: Logarithms – Definitions - Formula (Product, Quotient, Exponents no proof) Calculations using Tables Permutations and Combinations – Simple Problems – Binomial Expansion

UNIT – IV SET THEORY (15 hours)

Definition of a Set – Equality of Sets – Subsets – Power Set - Union and Intersection of Sets – Universal Set – Complement of a Set – Difference of Sets – Venn Diagram, De Morgan's laws

UNIT – V MATRICES (15 hours)

Types of Matrix - Addition and Subtraction of Matrix – Matrix Multiplications –Transpose of a Matrix – Inverse of a Matrix – Solution of Linear Equations by Matrix Method – Cramer's Rule

Books for Study:

1. Metha, B.C. & Madnani, Mathematics for Economics, S.Chand, New Delhi, 2017
2. D. Bose, An Introduction to Mathematical Methods, Himalaya Publishing House, Mumbai, 2019
3. Nancy Joshi RC, Mathematical Methods in Economics – I, Vishal Publishing Co, Punjab, 2019

Books for Reference:

1. Chiang C Alpha and Wainwright Kevin, McGraw Hill Education; New Delhi 2017

2. Dowling T Edward, Schaum's Outline of Introduction to Mathematical Economics, McGraw-Hill Education, New Delhi, 2011

3. Allen, R.G.D. Mathematics for Economist, Chadha & Agarwal, New Delhi, 2012

Teaching and learning methods
- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o Follow up exercises
- o Snap test

Course Outcome

After completion of course Mathematical Methods the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Draw and Calculate the slope of the curves	K3
CO_2	Solve the linear equations	K3
CO_3	Determine the logical reasoning by applying permutations and combinations	K2
CO_4	Grouping the similar objects	K4
CO_5	Solve the system of linear equations using Matrices	K3

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	2	2	1	2	3	3	-	-	2	3	-	2	23
CO2	3	2	2	1	2	3	3	-	-	2	3	-	2	23
CO3	3	3	2	1	2	3	3	-	-	2	3	-	2	23
CO4	3	2	2	1	2	3	3	-	-	2	3	-	2	23
CO5	3	2	2	1	2	3	3	-	-	2	3	-	2	23
Grand total of COs with PSOs and POs														115
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{115}{50})$														2.3

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.3
Observation	**COs of Mathematical Methods Strongly related with PSOs and POs**		

Class	: B.A. Economics	Part	: CORE-10
Semester	: V	Hours	: 75
Subject Code	: 19UECD05	Credits	: 04

MARKETING MANAGEMENT

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
- ➢ To expose the definitions and concepts of Marketing
- ➢ To Identify the different marketing strategy
- ➢ To Indicate the dimensions of consumer behavior
- ➢ To Comprehend the decision making process
- ➢ To Discuss the channels of marketing

Unit I: Marketing   (15 Hours)
Definition – Macro and Micro Marketing – Concept of Modern Marketing – Features of Modern Marketing.

Unit II: Marketing Functions   (15 Hours)
Marketing functions - Functions of Exchange – Selecting of Channels of Distribution – Creation of Demand – Determining the terms of sale – Customer's service – Functions of Physical Distribution – Objectives of Physical Distribution – Transportation, Storage and Warehousing - Facilitating Functions – Financing – Risk Bearing – Standardization and Grading – Marketing Information

Unit III: Market Segmentation   (15 Hours)
Meaning - Criteria – Benefits – Methods of Segmenting Markets – Consumer Behaviour – Buying Motives – Buying Decision Process

Unit IV: Product, Physical Distribution Mix   (15 hours)
Meaning of product – Product Policy – Product Objectives and Strategies – Product Mix - Factors Influencing product mix – Package, Packing and Packaging – Product Management – Product Life Cycle – Product Planning – Marketing Myopia
Marketing Channel – Meaning - Structures – Types – Channel Functions – Special Distribution method – Channel Management – Channel option.

Unit – V: Marketing Research & Marketing Information System (MIS)   (15 Hours)
Marketing Research – Objectives – Elements of Marketing Research – Scope –Uses – Functions – Classifications – Process – Research Design – Sources of Data – Types of Sample – Elements of Marketing Information Systems.

Books for Study:
1. Nair Rajan & Sanjith Nair, Marketing, Sultan Chand & Sons New Delhi, 2015
2. Sherlekar, S.A., Principles of Marketing, Himalaya Publishing House, Mumbai, 2015
3. Philip Kotler, and Gary Armstrong, Principles of Marketing, Pearson Education Services Pvt Ltd, Bengaluru, Karnataka, 2015

Books for Reference:
1. Sinha, J.L., Principles of Marketing and Salesmanship, S. Chand & Co. New Delhi, 1997
2. Balan, K.R., Marketing and Sales Management, Sterling Publishers, New Delhi, 1992
3. Majaro Siman, Essence of Marketing, PHI, New Delhi1993

Teaching and learning methods
- o Chalk and Talk
- o Power point
- o Group Discussion
- o Field visit

Course Outcome

After completion of course Marketing Management the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Familiarise with market structures	K_1
CO_2	Identify the factors involved in price determination	K_2
CO_3	Predict the risk involved in marketing	K_3
CO_4	Understand the Segregation of market	K_3
CO_5	Forecast the future of marketing	K_3

K1= Knowledge, K2= Understanding, K3 = Application, and K4= Analysis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	2	3	2	3	3		3	2	2	2	1	-	2	25
CO2	3	3	2	2	3		3	1	1	-	2	-	2	22
CO3	2	3	3	3	3		3	2	2	-	2	-	2	25
CO4	3	2	1	2	2		3	2	1	-	2	-	-	18
CO5	2	3	3	2	3		3	2	2	3	3	-	-	26
Grand total of COs with PSOs and POs														116
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{116}{55})$														2.11

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.11
Observation	**COs of Marketing Management Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR - 625514
DEPARTMENT OF ECONOMICS

Class	: B.A. Economics	Part	: CORE-11
Semester	: V	Hours	: 75
Subject Code	: 19UECD15	Credits	: 04

<div align="center">

HISTORY OF ECONOMIC THOUGHT

</div>

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
1. To instruct the origin of economic ideas
2. To describe the Mercantilism and Physiocracy
3. To educate Classical and modern economic thoughts
4. To impart the knowledge of Socialism and Marxism
5. To highlight the economic ideas of Indian economists

UNIT – I: ANCIENT ECONOMIC THOUGHT   **(15 hours)**

Nature and Significance of Economic Thought – Hebrew Economic Thought – Greek Thought – Plato – Aristotle – Roman Thought – Ancient Economic Thought in India: Kautilyas' Arthasastra – Economic Ideas of Thiruvalluvar

UNIT – II: MERCANTILISM AND PHYSIOCRACY   **(15 hours)**

Factor that Gave Rise to Mercantilism – General Outline of Mercantilism – Role of State, Money, Interest, Trade – Representatives of Mercantilist – Decline of Mercantilism

Factor that Gave Rise to Physiocrats – Main ideas Physiocrats – Representatives of Physiocratic School

UNIT – III: CLASSICAL AND KEYNESIAN ECONOMICS   **(15 hours)**

Adam Smith – Thomas Robert Malthus – David Ricardo – J.B. Say - J.S. Mill - Alfred Marshall – Wiksell - J.B. Clark – Irving Fisher – Keynesian Revolution

UNIT – IV: SOCIALISM AND MARXISM   **(15 hours)**

Forms of Socialism – Socialistic Pattern of Society – Christian Socialism – Marxian Socialism - Market Socialism

UNIT – V: INDIAN ECONOMIC THINKERS   **(15 hours)**

R.C.Dutt – Dadabhai Naoroji – Ranade – Gopal Krishna Gokhale – Gandhi – Nehru – J. C. Kumarappa - Dr. Ambedkhar - B.R.Bramanandha - A.K. Sen

Book for study:
1. Lokanathan, V., History of Economic Thought, S. Chand, New Delhi, 2006
2. Charles Gide and Charles Rist, History of Economic Doctrines, University of California Press, California , USA, 2007
3. Paul R.R., History of Economic Thought, Kalayni Publishers, Punjab, 2007

Book for References:
 1. Lionel Robbins , Steven G. Medema , Warren J. Samuels , A History of Economic Thought, Princeton University Press UK, 2000

2. William J. Barber A History of Economic Thought, Wesleyan University Press, Middletown, USA , 2009
3. The Lord Roll of Ipsd Eric Roll of Ipsden K.C.M.G. C.B, The History of Economic Thought, Faber & Faber, 2002

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Quiz
- o ICT Tools
- o Group discussion

Course Outcome

After completion of course History of economic thought the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Recall the origin of economic ideas	K1
CO$_2$	Distinguish between Mercantilism and Physiocracy	K3
CO$_3$	Recollect the views of Classical and Keynesian Economics	K3
CO$_4$	Relate Socialism and Marxism	K2
CO$_5$	Outline the Indian economic ideas	K3

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	3	3	1	2	2	3	3	1	1	2	1	-	1	23
CO2	3	3	2	2	2	3	3	1	1	2	2	-	1	25
CO3	3	3	3	2	2	3	3	1	1	2	2	-	1	26
CO4	3	3	2	3	2	3	3	3	3	2	1	-	1	29
CO5	3	3	3	3	2	3	3	2	2	1	2	-	1	28
Grand total of COs with PSOs and POs														131
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{131}{60})$														2.18

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.18
Observation	**COs of History of Economic Thought Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: B.A. Economics		**Part**	: IV
Semester	: IV & V		**Duration**	: 30 days
Subject Code	: 19UINT15		**Credits**	: 01

Internship

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019-20)

Course Educational Objectives
- To promote experiential learning
- To encourage participative learning
- To inculcate analytical skill

Modality of the Course
1. The mentor of the student will provide guidance.
2. In Consultation with the mentor, the student will finalize the organization and period of the programme (IV semester vacation or V semester vacation or both.)
3. The work done report should be updated with the mentor periodically.
4. The final report of the internship should be submitted to the Head of the Department within 10 days of the reopening of the college in the subsequent semester.
5. Along with the report the student has to submit course completed certificate from competent authority.
6. Geo tagged photo has to be attached along with the report if a student underwent the course in an informal organization.

Evaluation

Internal	Summative (Viva-Voce)		Total
	Internal	**External**	
50	25	25	100

Class	: III Year (B.A., B.Sc.,)	Part	: Self-Learning
Semester	: V	Hours	:
Subject Code	: 19UECSL5	Credits	: 03

MARXIAN ECONOMICS

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2019-20)

Course Specific Objectives (CSO):

- To know the Marxian materialistic interpretation of History
- To familiarize with the Marxian theory of surplus value.
- To highlight Marxian theory of disintegration of capitalism
- To summarize the concept of Socialism
- To indicate Socialism in USSR and China

UNIT – I: MARXIAN MATERIALISTIC INTERPRETATION OF HISTORY

Introduction – Importance of the Study of Marxian Economics – Assessment of Marxism Background – Other Interpretation of History – Marxian Interpretation of History – Critique of Marxian Interpretation of History

UNIT – II: MARXIAN THEORY OF SURPLUS VALUE

Emergence of Surplus Value – Origin of Surplus Value – Assumptions and Numerical Exposition – Definitions – Inevitability of Surplus Value – Importance of the Theory – Criticism – Marxian Theory of Falling Rate of Profit – Critique of the Falling Rate of Profit.

UNIT – III: MARXIAN THEORY OF DISINTEGRATION OF CAPITALISM

Different Interpretations of Capitalism – Different Interpretation of Capitalist Breakdown – Marx a False Prophet?

UNIT – IV: SOCIALISM

Introduction – Definitions – Essential Characteristics – Advantages – Shortcomings Communism – Characteristics – Communism Vs Socialism – Similarities – Differences – Critical appraisal of Communism

UNIT – V: SOCIALISM IN U.S.S.R AND CHINA

Experience of Socialism USSR - Chinese Economic Experiment: Market Socialism – Lesson for India

Books for Study:

1. Robert Albritton, Economics Transformed: discovering the brilliance of Marx, Pluto Press, London, UK, 2007
2. Desai Maghnad, Marxian Economics, Blackwell, New York, 2011
3. Joan Robinson, An Essay on Marxian Economics, The Mac million Press, London, 1982

Books for Reference

1. Ben Fine, Alfredo Saad-Filho, Marco Boffo, The Elgar Companion to Marxist Economics, Edward Elgar Publishing Ltd, Glos, UK, 2012.

2. Eugene Kamenka, The Portable Karl Marx Penguin Books, Publishing company, <u>London, UK</u>, 1983
3. Ernest Mandel An Introduction to Marxist Economic Theory, Pathfinder Books Ltd, Auckland ,1973

Teaching and learning methods:
- Lecture
- Reading the text
- Summaries each segment
- Class presentation
- Brainstorm

<u>**Course Outcomes**</u>

After completion of course Marxian Economics the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Comprehend the Marxian interpretation of History	K2
CO2	Understand the Marxian theory of surplus value	K2
CO3	Elucidate the Marxian theory of disintegration of capitalism	K2
CO4	Examine the significance of Socialism	K3
CO5	Explain Socialism in USSR and China	K3

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	3	1	-	-	2	3	3	3	3	2	-	-	-	20
CO2	3	3	-	-	2	3	3	3	3	2	-	-	-	22
CO3	3	1	-	-	2	3	3	3	3	2	-	-	-	20
CO4	3	3	-	2	2	3	3	3	3	2	-	-	-	24
CO5	3	3	-	3	2	3	3	3	3	2	-	-	-	25
Grand total of COs with PSOs and POs														111
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{111}{42})$														2.64

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.64
Observation	**COs of Marxian Economics Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR - 625514
DEPARTMENT OF ECONOMICS

Class	: B.A. Economics	Part	: CORE-12
Semester	: VI	Hours	: 90
Subject Code	: 19UECD26	Credits	: 05

INDIAN ECONOMY
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
1. To enlighten the nature of the Indian economy
2. To impart the knowledge of sectoral composition of an Indian economy
3. To spotlight the monetary issues of an economy
4. To highlight the fiscal scenario of an economy
5. To understand the in-and-out of India's balance of payment

UNIT – I: FEATURES AND ISSUES OF INDIAN ECONOMY   (18 hours)
Under-development – Meaning – Basic Characteristics of the Indian Economy as an UDC – Major issues of development – Governance – Inequality and Economic Power – Balanced Regional Development – Food Security – Foreign Capital- Policy changes in Indian Economy – An Overview.

UNIT – II: SECTORAL GROWTH   (18 hours)
   a) **Agriculture**: Features of Indian agriculture: Measures for agricultural development – Lessons from green Revolution – Rationale for Second Green Revolution - Role of Agriculture in Development – Agrarian crisis: Causes – Measures to solve the crisis
   b) **Industry:** Role of industrialization – A Note on Make in India – Importance of MSMES – Problems – Measures to support MSMEs
   c) **Services Sector;** Growth – Challenges

UNIT – III: MONETARY ISSUES   (18 hours)
 Monetary policy – Conflict between Inflation and Economic Growth – Repo Rate and Reverse Repo Rate – Monetary Policy Review Committee - Function – Role of Monetary Policy in Controlling Black Money – Demonetisation – Effects – Cashless Economy – Financial Inclusion – Measure of the Government.

UNIT – IV: CENTRAL FINANCES   (18 hours)
Trends in Revenue and Expenditure – Fiscal Imbalance and Deficit Finance – New Fiscal Approach – Fiscal Responsibility in India

UNIT – V: BALANCE OF PAYMENTS: PROBLEMS AND POLICIES   (18 hours)
BOP Components - Nature and Magnitude – Problems – Government Policy - Solution – A Note on Foreign Exchange Reserves

Books for Study:
1. Mishra &Puri, Indian Economy, Himalaya Publishing House, Mumbai, 2016
2. Uma Kapila, Indian Economy Since Independence, Academic Foundation, Haryana 2019
3. Gaurav Datt and Ashwani Mahajan, Datt&Sundharam's Indian Economy, S. Chand & Company, New Delhi, 2017

Books for Reference :

1. Garg, V.K., Indian Economic Problems, Sultan Chand & Sons, New Delhi, 2016
2. Dhingra I.C, Indian Economy, Sultan Chand & Sons, New Delhi, 2015
3. Agrawal, A.N. , Agarwal, M.K. Indian Economy: Problems of Development and Planning, New Age International (P) Ltd., Publishers, New Delhi, 2017

Teaching and learning methods
- Lecture
- Power point
- Brainstorm
- Quiz
- Google maps
- Videos

Course Outcome

After completion of course Indian economy the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Describe the nature of Indian economy	K4
CO$_2$	Examine the sectoral performances of an economy	K4
CO$_3$	Assess the monetary issues of an economy	K5
CO$_4$	Appraise the fiscal performance of Indian economy	K5
CO$_5$	Explore the problems of balance of payment	K3

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	3	3	2	2	2	3	3	-	2	2	1	-	1	24
CO2	3	3	3	3	2	3	3	-	1	2	1	-	1	25
CO3	3	3	2	2	2	3	3	-	2	2	1	-	1	24
CO4	3	3	3	3	2	3	3	-	1	2	2	-	1	26
CO5	3	3	3	3	2	3	3	-	1	2	2	-	1	26
Grand total of COs with PSOs and POs														125
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{125}{55})$														2.27

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.27
Observation	**COs of Indian Economy Strongly related with PSOs and POs**		

Class	: B.A. Economics	Part	: CORE-13
Semester	: VI	Hours	: 75
Subject Code	: 19UECD36	Credits	: 04

DEMOGRAPHY

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
- To familiarise with the concept of demography
- To disseminate the fertility and mortality concepts
- To introduce the concept of migration
- To outline the sources of demographic data
- To acquaint about the theories of population

Unit I: Demography (15 Hours)
Demography: Meaning – Definition – Scope of Demography – Characteristics of Demography – Importance of Demography – Effects of Demography on Economic Development – Meaning of Family Planning – National Population Policy 2000: Objectives – Targets

Unit – II Fertility and Mortality (15 Hours)
Fertility: Meaning – Fecundity – Measures of Fertility – Factors Affecting Fertility
Mortality: Meaning – Measures of Mortality – Factors Affecting Mortality – Causes for Decline in Morality Rates in Developing Countries.

Unit – III Migration (15 Hours)
Migration: Meaning - Types of Migration – Sources of Migration – Methods of measuring internal migration – Causes of Migration – Effects of Migration

Unit IV: Sources of Demographic Data (15 Hours)
Census: Meaning - Methods of Census – Salient Features – Uses – Problems – Civil Registration method: Vital Registrations (Statistics) – Uses of Vital Statistics – Life table: Meaning – Types Assumptions of Life table – Population Pyramid: Meaning – Types of Population Pyramid - Sample Surveys – International Publication

Unit V: Theories of Population (15 Hours)
Malthusian Theory of Population – Optimum Theory of Population - Theory of Demographic Transitions – Karl Marx's theory of Surplus Population

Books for Study
1. M.L. Jhingan, B.K. Bhatt & J. N. Desai, Demography , Vrinda Publications (P) Ltd, New Delhi.
2. Bhushan Shashi, Demography, VK Global Publications Pvt Ltd, New Delhi, 2020
3. Sharma K Rajendra, Demography and Population Problems, Atlantic Publishers, New Delhi,

Books for Reference
1. Mishra, B.D., Introduction to the Study of Population, South Asian Publishers, New Delhi
2. Agarwala, S.N., India's Population problem, Tata McGraw Hill Publishing Co. Ltd., New Delhi, 2018

3. Bhenda AA, Asha A. Bhende and Tara Kanitkar , Principles of Population Studies, H P House, Mumbai

Teaching and learning methods

- Lectures
- Reading the text
- Summarizing
- Power point
- Class Presentation

Course Outcome

After completion of course Demography the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Classify the demographic profile	K_1
CO_2	Recognise the determinants of demography	K_2
CO_3	Grasp different dimensions of Migration	K_3
CO_4	Access different sources of Demographic data	K_3
CO_5	Analyze the demographic transition	K_4

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	*Sum of COs with PSOs and POs*
CO1	3	3	3	2	1	3	3	-	1	2	1	-	-	22
CO2	3	3	3	2	1	3	3	-	1	2	1	-	-	22
CO3	3	3	3	3	2	3	3	-	2	1	1	-	-	24
CO4	3	3	3	3	2	3	3	-	2	2	-	-	-	24
CO5	3	3	2	3	3	3	3	3	2	2	2	-	-	29
Grand total of COs with PSOs and POs														121
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{121}{50})$														

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.42
Observation	**COs of Demography related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR-625514
DEPARTMENT OF ECONOMICS

Class	: B.A. Economics	**Part**	: CORE-14
Semester	: VI	**Hours**	: 75
Subject Code	: 19UECD46	**Credits**	: 04

MATHEMATICAL ECONOMICS

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
1. To introduce the role of differential calculus in economics
2. To point out the concept of integration and its application in Economics
3. To teach the applications of differentiations in economic theories
4. To instruct the production function by applying mathematical tools
5. To introduce the concept of integration and its application in Economics

UNIT – I: DIFFERENTIAL CALCULUS (15 hours)
Differentiation: Meaning – Basic Rules - Successive Differentiation of the Functions up to Second Order - Partial Differentiation -Total Differentiation
- Maxima and Minima –Extreme Values – Maxima and Minima with Constraints

UNIT – II: THE THEORY OF CONSUMER BEHAVIOUR (15 hours)
Marginal Utility – Indifference Curve – Marginal Rate of Substitution – Maximisation of Utility

UNIT – III: PRODUCTION FUNCTION (15 hours)
Production Function – Equal Product Curves (Isoquants) – Shape of Isoquants – Isoquants and Ridge Lines – Constrained Profit Maximisation – Homogeneous Function – Definition and Properties – Properties of Linear Homogeneous Functions – Cobb Douglas Production Function – Properties

UNIT – IV: THEORY OF FIRM (15 hours)
Marginal Revenue – Marginal Cost – Elasticity of Demand – Relationship between Average Revenue and Marginal Revenue - Relationship between Marginal Cost and Average Cost – Profit Maximization under Perfect Competition and Monopoly

Unit – V: INTEGRATION AND ITS APPLICATION (15 hours)
Definition of Integral Calculus – Basic Rules of Integration - Integration by Parts – Definite Integrals - Area between two Curves – Consumer's Surplus – Producers Surplus

Books for Study:
1. Metha, B.C. & Madnani, Mathematics for Economics, S.Chand, New Delhi, 2017
2. D. Bose, An Introduction to Mathematical Methods, Himalaya Publishing House, Mumbai, 2019
3. Nancy Joshi RC, Mathematical Methods in Economics – I, Vishal Publishing Co, Punjab, 2019

Books for Reference:
1. Chiang C Alpha and Wainwright Kevin, McGraw Hill Education; New Delhi 2017
2. Dowling T Edward, Schaum's Outline of Introduction to Mathematical Economics, McGraw-Hill Education, New Delhi, 2011
3. Allen, R.G.D. Mathematics for Economist, Chadha & Agarwal, New Delhi, 2012

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools
- o Follow up exercises

Course Outcome

After completion of course **Mathematical Methods and Application** the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Apply differentiation techniques to optimize economic variables	K3
CO$_2$	Apply the concept of partial and total derivatives in consumer behavior	K3
CO$_3$	Derive the production function	K3
CO$_4$	Find the price and output of a firm by applying mathematical tools	K3
CO$_5$	Calculate the producer's and consumer's surplus by using integral calculus	K3

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	3	3	3	3	2	3	3	-	-	1	3	-	-	24
CO2	3	3	3	3	2	3	3	-	-	1	3	-	-	24
CO3	3	3	2	3	1	3	3	-	-	1	3	-	-	22
CO4	3	3	2	3	1	3	3	-	-	1	3	-	-	22
CO5	3	3	2	3	1	3	3	-	-	1	3	-	-	22
Grand total of COs with PSOs and POs														114
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{114}{45})$														2.53

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.53
Observation	**COs of Mathematical Economics Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR-625514
DEPARTMENT OF ECONOMICS

Class	: B.A. Economics	**Part**	: CORE-15
Semester	: VI	**Hours**	: 75
Subject Code	: 19UECD56	**Credits**	: 04

ENVIRONMENTAL ECONOMICS

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :

1. To introduce basic concepts of Environmental Economics
2. To deal the various types of pollution
3. To relate the environment and economy
4. To spotlight the conservation of resources
5. To focus on the Energy Economics

Unit - I Basic Concepts of Environmental Economics

Environmental Economics – Meaning – Subject matter – Nature and Scope – Significance of Environmental Economics - Environmental cost of economic growth and environmental degradation

Unit –II Environmental Problems

Nature and sources of pollution – Air pollution, Water pollution, Soil pollution, Marine pollution – Effects - Deforestation – Urbanisation and its impact on Environment – Population and Environmental Quality

Unit – III Theories of Environmental Economics

Tragedy of commons – Common property rights – Externalities – Measures to control externalities – Pareto optimality – Market failure – Theory of Second Best– Limits to growth model – Environmental Kuznets Hypothesis

Unit - IV Conservation of Resources

Conservation and Preservation – Human Impact on Resources – Method of Conservation – Material Substitution – Product life Extension – Recycling – Optimum Recycling – Waste Reduction – Needs for conserving forest.

Unit - V Energy Economics

Meaning of energy – Sources of energy - Classification – Alternative source of Energy - Need for conserving energy and maintaining environmental quality – Energy problems in developing countries – Remedies to solve the Energy Problem

Books for Study

1. T. Eugine , Environmental Economics, Vrinda Publication, New Delhi 2004
2. S. Sankaran, Environmental Economics, Margham Publications, Chennai, 2018
3. K.V. Pavithran, A Textbook of Environmental Economics, New Age International (P) Ltd, New Delhi, 2019

Book for References

1. Seneeca J.J. and H.K. Taussig,   Environmental Economics - Pearson College Div; Subsequent edition, 1983
2. Ben White, Jason Shogren, and Nick Hanley, Environmental Economics: In Theory and Practice, Macmillan Education Limited, Indian Edition, New Delhi – 2010
3. Nick Hanley, Jason Shogren, Ben White, Introduction to Environmental Economics, OUP Oxford, London, 2013

Teaching and learning methods
- o Lecture and tutorial
- o Newspaper cutting
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Environmental economics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Comprehend the basic concepts of environmental economics	**K2**
CO2	Identify different types of pollution	**K2**
CO3	Relate the environment and economics	**K3**
CO4	Identify the Environment conservation techniques	**K4**
CO5	Distinguish different sources of energy	**K4**

K1= Knowledge, **K2**= Understanding, **K3**= Application, **K4**= Analysis and **K5**= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	*Sum of COs with PSOs with POs*
CO1	3	3	3	3	2	3	3	3	2	2	1	-	-	28
CO2	3	3	3	3	1	3	3	2	2	1	2	-	-	26
CO3	3	3	3	3	1	3	3	2	2	1	2	-	-	26
CO4	3	3	3	3	1	3	3	2	2	2	1	-	-	26
CO5	3	3	3	2	2	3	3	1	2	1	1	-	-	24
Grand total of COs with PSOs and POs														130
Mean Value of COs with PSO and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = (\frac{130}{55})$														2.36

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.36
Observation	**COs of Environmental Economics Strongly related with PSOs and POs**		

Class	: B.A. Economics	Part	: CORE-16
Semester	: VI	Hours	: 75
Subject Code	: 19UECD66	Credits	: 04

PRINCIPLES OF MANAGEMENT

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 2020)

Course Educational Objectives (CEO) :
1. To inculcate evolution of management concepts
2. To enlighten the implications of the planning of an organization
3. To impart the technique and structure of an organization
4. To familiarise the knowledge of Directing & Management culture
5. To educate the techniques of controlling mechanism

UNIT – I MEANING OF MANAGEMENT & APPROACHES (15 hours)

Management - Meaning and Definition — Science or Art – Management Functions - Importance – Role of Manager - Administration Vs Management - Different Approaches to the Study of Management

UNIT – II: PLANNING AND DECISION MAKING (15 hours)

Planning: Meaning and Definition – Characteristics – Objective Planning – Importance - Planning Process – Limitations of Planning – Methods of Planning

Decision making: Definition– Characteristics – Nature and Importance – Types and Process of Decision Making

UNIT – III: ORGANIZATION AND DELEGATION OF AUTHORITY (15 hours)

Meaning and Definition – Nature and Importance - Function of organization – Types of Organization: Formal and Informal – Line Organization – Functional - Line and Staff Organization - Meaning- Delegation- Importance - Responsibility- Elements – Departmentalization – Meaning - Process

UNIT – IV: STAFFING AND SUPERVISION (15 hours)

Staffing: Definition – Functions and Process of Staffing – Man Power Planning – Recruitment: Meaning – Selection- Process – Training and Development-Types

Supervision: Meaning– Role of Supervisor – Essential Qualities – Functions of a Supervisor – Techniques of Supervision

UNIT – V: MOTIVATION and LEADERSHIP (15 hours)

Motivation: Definition – Characteristics – Importance of Motivation – Methods of Motivation – Theories of Motivation – Maslow's Theory – Herzberg's Theory – Douglas McGregors Theory

Leadership: Definition – Importance – Functions – Qualities – Leadership Styles – Theories - Trait Theory – Behavioural Theory – Situational Theory – X and Y Theory (Positive & Negative Theory)

Books for Study:

1. Ramasamy. T, Principles of Management, Himalaya Publications, Bangalore, 2013
2. C.B. Gupta, Principles of Management, S. Chand & Company, New Delhi, 2014
3. Govindarajan M. and Natarajan. S, Principles of Management, Prentice Hall of India Learning Pvt. Ltd, New Delhi, 2005

Books for Reference:

1. Dick Carlson, Modern Management: Principles and Practices, Jai Co. Publishing, New Delhi,1982
2. Rustomji, M.K. & Sapre, S.A. Art of Management, MacMillan, New Delhi, 1983
3. Peter F. Drucker., Management, Allied Publishers, New Delhi, 2008

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Principles of Management the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Comprehend the core concepts of management	K2
CO$_2$	Explain the needs of planning by enterprises	K2
CO$_3$	Assess the activities of an organization	K3
CO$_4$	Lead people towards the accomplishment of organizational goals	K3
CO$_5$	Indicate the controlling activities of management	K2

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	*Sum of COs with PSOs and POs*
CO1	3	2	2	2	2	3	3	2	2	2	1	-	-	24
CO2	1	3	1	1	2	3	3	3	1	1	2	-	-	21
CO3	1	3	1	1	2	3	3	3	1	1	2	-	-	21
CO4	2	2	1	2	2	3	3	2	2	1	2	-	-	22
CO5	2	2	1	2	2	3	3	2	2	2	1	-	-	22
Grand total of COs with PSOs and POs														110
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = \left(\dfrac{110}{55}\right)$														

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.0
Observation	COs of Principles of Management in relation with PSOs and POs is Medium		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: III Year (B.A., B.Sc.,)	**Part**	: Self-Learning
Semester	: VI	**Hours**	:
Subject Code	: 19UECSL6	**Credits**	: 03

ECONOMIC REFORMS IN INDIA

(Outcome based syllabus under CBCS structure for the students admitted from the academic year 2019- 20)

Course Specific Objectives (CSO):
- To familiarize with the Contemporary Economic Reforms.
- To recall the Macro Economic Scenario.
- To summarise the concept of Privatization
- To know about the Liberalization
- To highlight Globalisation

UNITS – I: CONTEMPORARY ECONOMIC REFORMS
Contemporary Economic Reforms - Origin of Economic Crisis - Economic Reforms - Macro Economic Stabilization - Structural Reform

UNIT –II: MACRO ECONOMIC SCENARIO
Macroeconomic Scenario - Economic Growth - Industrial Growth - Agricultural Growth - Saving and Investment Growth - Prices and Inflation - Fiscal Imbalance - Monetary and Capital Market Developments - Foreign Direct Investment

UNIT – III: PRIVATIZATION
Meaning and   Progress of Privatization – Routes of Privatization: Supporters Angle. Disinvestment Programme in India. Privatization: A critique.

UNIT – IV: LIBERALIZATION
Economic Liberalization and its Implications for Employment in India - Trends in Strikes Lock Outs and Closures - Labour Reforms

UNIT – V: GLOBALIZATION
Meaning - Components - Causes - Impact on Indian Economy

Book for Study
1. Anne 0. Krueger, Economic Policy Reforms and the Indian Economy, Oxford University Press, London, UK, 2002.
2. Nicholas C. Hope, Economic Reform in India: Challenges, Prospects, and Lessons, Cambridge University Press, London, UK, 2013.
3. Jagdish Bhagwati and Arvind Panagariya, Reforms and Economic Transformation in India Studies in Indian Economic Policies, Sterling Publishers Pvt. Ltd, New Delhi, 2004.

Books for Reference
1. Mishra & Puri, Indian Economy, Himalaya Publishing House, Mumbai, 2016.
2. Gaurav Datt and Ashwani Mahajan, Datt & Sundharam's Indian Economy, S. Chand & Company, New Delhi, 2017.

3. Agrawal,A.N., Agarwal,M.K. Indian Economy : Problems of Development and Planning, New Age International (P) Ltd., Publishers, New Delhi, 2017.

Teaching and learning methods:
- Lecture
- Reading the text
- PowerPoint presentation
- Quiz
- Journals and Magazines

Course Outcomes

After completion of course Economic Reforms in India the student will be able to

SL.NO	COURSE OUTCOMES	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO1	Comprehend the contemporary economic Reforms	K2
CO2	Understand the macroeconomic Scenario	K2
CO3	Indicate the concept of Privatization	K2
CO4	Assess the implications of liberalization	K3
CO5	Explain the concept of globalization	K3

K_1= Knowledge, K_2= Understanding, K_3= Application, K_4= Analysis and K_5= Synthesis

Mapping of CO with PO and PSO

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs and POs
CO1	3	3	-	3	2	3	3	-	2	1	-	-	-	20
CO2	3	1	-	3	1	3	3	-	2	1	-	-	-	17
CO3	3	3	-	2	1	3	3	-	3	1	-	-	-	19
CO4	3	3	-	2	1	3	3	-	3	1	-	-	-	19
CO5	3	3	-	2	1	3	3	-	3	1	-	-	-	19
Grand total of COs with PSOs and POs														94
Mean Value of COs with PSO and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs} = \left(\dfrac{94}{40}\right)$														

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.35
Observation	COs of Economic Reforms in India strongly related with PSOs and POs		

Arul Anandar College (Autonomous) Karumathur – 625514
Department of Economics
Question Pattern for B.A. Economics

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2019 - 20)

Total Marks: 100   **Time**: 3 hrs

Section – A   **(10 X 1 = 10 marks)**

Answer All the questions

(Multiple Choice Question)

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	1 & 2	
II	3 & 4	
III	5 & 6	KI
IV	7 & 8	
V	9 & 10	

Section – B   **(5 X 3 = 15 marks)**

Answer all the questions

(Concepts and Definitions only)

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	11. (a) or (b)	
II	12. (a) or (b)	
III	13. (a) or (b)	K1 & K2
IV	14. (a) or (b)	
V	15. (a) or (b)	

Section – C   **(5 X 15 = 75 marks)**

Answer all the questions

(Essay Type Questions not exceeding 3 pages)

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	16. (a) or (b)	
II	17. (a) or (b)	
III	18. (a) or (b)	K3, K4 & K5
IV	19. (a) or (b)	
V	20. (a) or (b)	

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS
OBE - CBCS Pattern (From 2020-2021 onwards)
M.A. Economics

Part	Nature of the paper	Subject Code	Paper	Hours	Credit
I Semester					
III	Core	22PECC11	Advanced Microeconomics I	06	05
		22PECC21	Advanced Macroeconomics	06	05
		22PECC31	Monetary Economics	06	05
		22PECC41	Statistical Methods	06	05
	Core Elective	22PECE11	Environmental Economics	06	04
				30	24
II Semester					
III	Core	22PECC52	Advanced Microeconomics II	06	05
		22PECC62	Fiscal Economics	06	05
		22PECC72	Mathematical Methods and Application	06	05
	Core Elective	22PECE22	Principles of Management	06	04
	NME	22PECN12	Issues in Indian Economy	04	04
		22PLFS12	Life skills	2+**2***	02
	Extra Credit - 1		MOOC/SWAYAM		02
				30	25 +2**
III Semester					
III	Core	22PECC83	International Economics	06	05
		22PECC93	Indian Economy	06	05
		22PECD03	Development Economics	06	05
		22PECD13	Econometrics	06	05
	Core Elective	22PECE33	Research Methodology	06	04
	Extra Credit - 2		MOOC/SWAYAM		02
				30	24 +2**

IV Semester					
III	**Core**	22PECD24	International Monetary System	06	05
		22PECD34	Operations Research	06	05
	Core Elective	22PECE44	Economics for NET / SET	06	04
		22PECD44	Project	12	05
				30	**19**

Total Credits

Semester	I	II	III	IV	Total	Extra credit
Credit	**24**	**25**	**24**	**19**	**92**	**4***

Non-Major Elective: **Issues in Indian Economy**

* represents practical outside the class hour

** Extra credit Course

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514

DEPARTMENT OF ECONOMICS

Programme Specific Outcomes (PSO) (PG)

After completion of M.A., Economics two-year programme, the student will be able to

PSO1. Realize the classical and contemporary economic principles and models

PSO2. Discover and understand the structural economic problems of an economy

PSO3. Apply the economic doctrines and thoughts in business decision making process

PSO4. Exercise the quantitative techniques to address the economic problems at micro and macro level

PSO5. Identify the socio economic problems and suggest the suitable remedies to address the local socio economic problems

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514

DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core-1
Semester	:I	Hours	:90
Subject Code	:22PECC11	Credit	:05

ADVANCED MICROECONOMICS – I

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives

1. To identify the fundamental problems of economics
2. To illustrate the relationship between price and quantity in the market
3. To understand the consumer behaviour at different situations
4. To gain the Rememberingon input and output relationship of a firm in the short run and long run
5. To Understand and analyse different forms of market structure and its equilibrium

Unit – I: Introduction and Basic Concepts **(18 hours)**

Basic economic problem – Choice and Scarcity - Positive and normative economics - Deductive and Inductive methods of analysis - Economic models – Steps in Model Building - Endogenous and Exogenous variables in economic models

Unit – II: Theory of Demand and Elasticity of Demand **(18 hours)**

Demand function – Law of demand —— Elasticity (price, cross, income) of demand – Measurement of elasticity.

Unit III: Consumer Behaviour Analysis **(18 hours)**

Cardinal utility Analysis – Ordinal utility analysis – Indifference curve – Properties – Consumer equilibrium - Income and Substitution effects of a price changes - Hicksian approach *vs* Slutskian approach - Revealed preference theory

Choices involving risk: St. Petersburg Paradox - N-M utility theory – The Friedman-Savage hypothesis – The Markowitz hypothesis

Unit - IV: Theory of Production and Costs **(18 hours)**

Production functions – Short period and long period - Law of variable proportion and Returns to scale - Isoquants – Least Cost combination of inputs – Cobb-Douglas and CES Production function and their properties - Traditional and modern Cost curves.

Unit - V: Price and Output Determination **(18 hours)**

Marginal analysis as an approach to price and long run equilibrium of the firm and industry - Price and output determination under perfect competition - Supply curve - Monopoly: Short run and long run equilibrium, Price discrimination - welfare aspects.

Monopolistic Competition: General approach to Equilibrium – Chamberlin's approach to Equilibrium - Equilibrium of the firm and the group with product differentiation and selling Costs - Excess capacity under monopolistic and imperfect competition - Criticism of monopolistic competition.

Oligopoly: Non-collusive (Cournot, Chamberlin) - Kinked demand curve and Collusive (Cartels, and Price leadership) models - Theory of contestable markets.

References:

1. Baumol W.J, Economic Theory and Operation Analysis, Prentice-Hall of India Learning Pvt. Ltd, New Delhi, 2015.
2. Geoffrey A. Jehle and Philip J. Reny, Advanced Microeconomic Theory, Pearson Education Pvt. Ltd, Singapore, 2011.
3. Ahuja H.L, Modern Microeconomics (Theory & Applications), S. Chand & Company New Delhi, 2017.
4. Koutsoyiannis. A, Modern Microeconomics, MacMillan Press Ltd, London, 2003
5. John Kennedy. M, Advanced Microeconomics, Himalaya Publishing House Pvt. Ltd, Mumbai, 2001.

__Teaching and learning methods__
- Chalk and Talk
- Power point
- Brainstorm
- Quiz
- ICT Tools

__Course Outcome__

__After completion of course Advanced__ Microeconomics – I __the student will be able to__

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Describe the basic economic problems and allocation of resources	K3
CO$_2$	Measure the influence of degree of price and quantity changes on business decision	K3
CO$_3$	Analyze the consumer behaviour under uncertain situation	K4
CO$_4$	Apply the suitable input and output relation with optimum Cost conditions of firm	K4
CO$_5$	Determine the price and output of a firm under different markets forms	K5

K1= Remembering K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	1	1	-	3	3	2	1	-	-	-	1	18
CO2	2	3	3	3	1	3	3	2	2	-	-	-	-	22
CO3	1	3	3	1	-	3	1	2	3	2	-	-	1	20
CO4	2	3	3	2	-	3	3	2	2	1	-	-	-	21
CO5	3	3	3	2	1	3	3	2	2	1	-	-	-	23
Grand total of COs with PSOs and POs														104
Mean Value of COs with PSO and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ = ($\dfrac{104}{47}$)														2.21

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.21
Observation	**COs of Advanced Microeconomics – I Strongly related with PSOs and POs**		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core-2
Semester	:I	Hours	:90
Subject Code	:22PECC21	Credit	:05

ADVANCED MACROECONOMICS
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To understand the nuances of National income concepts
2. To relate the classical with Keynesian theories
3. To gain the knowledge of consumption functions of an economy
4. To cognizant macroeconomic policies
5. To explain the Contemporary macroeconomic models and its implications

Unit I: Introduction to Macroeconomics and National Income   (18 hours)
Definition – Importance – Origin and Growth of Macroeconomics – Limitations of Macroeconomics – Basic concepts used in Macroeconomic analysis – Equilibrium and disequilibria – Partial equilibrium and General equilibrium – Static and Dynamic analysis – Comparative static and Dynamic analysis – Distinction between economic Statics and dynamics.
National Income: National Income and Related concepts – Gross National Product – Gross Domestic Product – Net National Product – Personal Income – Nominal and Real GNP – The GNP deflator- GNP implicit deflator – Methods of Measuring GNP – Net Product Method – Factor Income Method – Expenditure Method – Value Added Method – Difficulties Encountered in Calculating National Income – Importance of National Income Estimates.

Unit II: Classical Theory of Income and Employment   (18 hours)
Introduction – The Classical Postulates – Say's Law of Markets – Pigovian Formulation of Say's Law – Criticism – The Classical Theory of Employment – Classical views on full employment – Keynesian view on full employment – Classical model with and without saving and investment- Keynes attack on classical theory.

Unit III: Keynesian Theory of Employment and Income   (18 hours)
Meaning – Importance – Determinants – Aggregate Demand Function – Aggregate Supply Function – Law of Consumption – Technical Attributes of Consumption Function – MPC, MPS, APC – Relationship between APC and MPC – Assumptions of the Law –Importance – Measures to Stimulate Consumption Function – Theories of Consumption Function – Absolute Income Hypothesis – Relative Income hypothesis – Permanent Income Hypothesis - Life Cycle Hypothesis – Consumption Function and Under Developed Countries – Multiplier: Meaning – Its Working – Reverse Operation – Limitations – Importance – Criticism – Leakages – Assumptions – Acceleration Principle – Super Multiplier - Evaluation of Keynes' Theory in Advanced Economies and Underdeveloped Economies – Monetarism Vs Keynesianism

Unit IV: Macro Economic Policies   **(18 hours)**

Macroeconomic Policy: Meaning and Scope – Need for and advent of macroeconomic policy – Objectives of Macro Economic Policies – Formulation of macroeconomic policy.

Unit V Rational Expectations   **(18 hours)**

Nature and Scope – Definition – Origin – Keynes' View on Expectations – Theories – Importance – Implications and critical evaluation

References

1. Keynes,J.M, The General Theory of Employment Interest & Money, Palgrave Macmillan, London Uk, Re print 2016.

2. Jhingan,M.L., Macro Economic theory, Konark Publication., New Delhi, 2016.

3. Gupta R.D, Keynesian and Post-Keynesian Economics, Kalyani Publications, *2015*.

4. Maria John Kennedy. M, Macroeconomic Theory, PHI, New Delhi, 2013.

5. Ahuja.H.L, Macroeconomics: Theory and Policy, S. Chand & Company, New Delhi, 2015.

Teaching and learning methods
- o Chalk and Talk
- o Power point
- o Brainstorm
- o ICT Tools
- o Newspaper cutting
- o Current affairs Discussion with group

Course Outcome

After completion of course **Advanced Macroeconomics** *the student will be able to*

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Outline the different methods and concepts pertaining to national income estimation	K3
CO$_2$	Make a distinction between classical and Keynesian income and employment concept	K3
CO$_3$	Examine the technical and behavioural attributes of consumption function	K3
CO$_4$	Explore the macroeconomic policies	K4
CO$_5$	Comprehend the Contemporary macroeconomic models and its implications	K4

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Outcomes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	2	2	3	3	2	3	2	-	-	-	26
CO2	3	3	2	2	1	3	3	2	2	1	-	-	-	22
CO3	3	3	3	2	2	3	3	3	3	2	-	-	-	27
CO4	3	3	2	1	3	3	3	3	3	2	-	-	-	26
CO5	3	3	3	2	-	3	3	3	2	1	-	-	-	23
Grand total of COs with PSOs and POs														124
Mean value of COs with PSOs and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COS\ relating\ with\ PSOs\ and\ POs} = (\dfrac{124}{49})\dfrac{107}{58}$														2.76

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.01 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.76
Observation	COs of Advance Macroeconomics is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core-3
Semester	:I	Hours	:90
Subject Code	:22PECC31	Credit	:05

MONETARY ECONOMICS
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To understand recent evolution of money and measures of money supply
2. To illustrate the classical theories of money and interest
3. To elaborate the liquidity preference theory and Non-Banking Financial Intermediaries
4. To analyze the post Keynesian theories of Demand for Money
5. To enlighten the subject matter of inflation and role of monetary policy in an economy

Unit - I: Introduction (18 hours)
Definition and Kinds of money – Functions of money - Significance of money in a modern economy
Sources of money supply – Measures of money supply in India - Theory of money supply – Monetary expansion and the money multiplier

Unit - II: Classical Theories of Money and Interest (18 hours)
The classical quantity theory of money – The Cambridge version of quantity theory of money – The classical theory of interest

Unit – III: Keynesian Theory of Money, Interest and Prices (18 hours)
The Keynesian theory of demand for money – Keynesian theory of interest - Changes in the money market and the interest rate – Gurley and Shaw's thesis of liquidity of money - Radcliff Sayers's thesis – Patinkin's monetary theory.

Unit – IV: Post – Keynesian Theories of Demand for Money (18 hours)
Baumol's approach to Transaction Demand for money – Tobin's theory of speculative demand for money - The portfolio optimization approach – Friedman's Quantity theory of money.

Unit – V: Theories of Inflation and Monetary Policy (18 hours)
The classical theory of inflation – The Keynesian theory of inflation – The monetarist view on inflation – Modern theories of inflation – Inflation in UDC's – The economic effects of inflation – Measures to control inflation
Phillips curve – Inflation and the rate of unemployment – Modification in Phillip's curve – Implications of Philip's curve
An analysis of IS&LM curve – Meaning and Scope of Monetary policy – Instruments of monetary policy – Transmission mechanism of monetary policy – The limitations and effectiveness of monetary policy.

References:

1. Michael Woodford, Interest and Prices: Foundations of a Theory of Monetary Policy Princeton University Press, New Jersey, USA, 2011.
2. Jhingan, M.L., Monetary Economics, Virinda Publication, New Delhi, 2012.
3. Sethi, T.T., Money, Banking and International Trade, S.Chand, New Delhi, 2001.
4. Nath H S, Monetary Economics: An Introductory Text Hardcover, KhelSahitya Kendra (K.S.K. Publishers & Distributors), New Delhi, 2011.
5. JordiGali, Monetary Policy, Inflation, and the Business Cycle: An Introduction to the New Keynesian Framework and Its Applications, Princeton University Press, 2015.

Teaching and learning methods

- o Chalk and Talk
- o ICT
- o Brainstorm
- o Quiz
- o Seminar

Course Outcome

After completion of course Monetary Economics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Sketch the monetary aggregates set	K3
CO$_2$	Examine the classical theory of Money and Interest	K3
CO$_3$	Assess the implications of Liquidity preference and Non-Banking Financial Intermediaries	K4
CO$_4$	Quantify the relationship among demand & supply of money and price	K4
CO$_5$	Point out the impact of inflation and monetary policy	K4

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	2	1	3	2	2	2	-	-	-	-	21
CO2	3	3	2	1	-	3	3	3	2	-	-	-	-	20
CO3	3	3	2	2	1	3	3	3	2	-	-	-	-	22

CO4	3	3	3	2	1	3	3	2	2	-	-	-	-	22
CO5	3	3	3	1	2	3	3	2	2	1	-	-	-	23
Grand total of COs with PSOs and POs														108

Mean value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ = ($\dfrac{108}{45}$) → 2.4

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.4
Observation	COs of Monetary Economics is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core-4
Semester	:I	Hours	:90
Subject Code	:22PECC41	Credit	:05

STATISTICAL METHODS
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives

1. To analyse the probability and its applications
2. To inculcate the importance of theoretical distributions in decision making
3. To acquire the knowledge of hypothesis testing
4. To enable the vitality of Chi-square test in research
5. To explain the techniques of analysis of variance in research (ANOVA)

Unit: I Probability and Expected value (18 hours)

Theorems of probability – Addition theorem – Multiplication theorem – Bayes theorem – Conditional probability – Mathematical expectation

Unit II: Theoretical Distributions (18 hours)

Meaning – Types - Binomial Distribution - Poisson Distribution - Normal Distribution

Unit III: Statistical Hypothesis (18 hours)

Procedure of testing Hypothesis – Standard error and sampling distribution – Estimation – Test of significance for attributes – Large samples and small samples – 'F' Test – 't' Test.

Unit IV: Chi – Square Test and Goodness of Fit (18 hours)

Definition – Conditions for Applying χ^2-Test – Yate's Corrections – Uses of χ^2-Test – Additive property of Chi – Square test for specified value of population variance – Limitations of χ^2 tests

Unit V: Analysis of Variance (ANOVA) (18 hours)

Analysis of Variance: Meaning – Techniques of Analysis of Variance – One way classification model - Two way classification model

References:

1. Gupta, S.P., Statistical Methods, Sultan Chand & Sons, New Delhi, 2016.
2. Pillai, R.S. N. &Bagawathi, Statistics, Sultan Chand & Co., New Delhi, 2014.
3. Sancheti and Kapoor, Statistics, Sultan Chand & Sons, New Delhi, 2013.
4. Gupta, S.C., Statistical Methods, Sultan Chand & Sons, New Delhi, 2011.
5. Gupta &Kapoor, Elements of Mathematical Statistics, Sultan Chand & Sons, New Delhi, 2002.

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz

- o ICT Tools
- o Follow up exercises

Course Outcome

After completion of course **Statistical Methods** *the student will be able to*

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Familiar with the nuances in the calculation of probability	K3
CO_2	Estimate and interpret the probability values of data	K3
CO_3	Framing and testing the statistical Hypothesis	K4
CO_4	Apply chi-square test in research problems	K4
CO_5	Testing the data with its Variance	K4

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K_5= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	1	3	3	2	-	3	3	3	3	2	2	-	-	25
CO2	1	3	3	2	-	3	3	3	3	2	2	-	-	25
CO3	1	3	3	2	-	3	3	3	3	2	2	-	-	25
CO4	1	3	3	3	1	3	3	3	3	2	2	-	-	27
CO5	1	3	3	3	1	3	3	3	3	2	2	-	-	27
Grand total of COs with PSOs and POs														129
Mean Value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ $\left(\dfrac{129}{52}\right)$														2.48

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.48
Observation	COs of Statistical Methods is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core Elective-1
Semester	:I	Hours	:90
Subject Code	:22PECE11	Credit	:04

ENVIRONMENTAL ECONOMICS
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives

1. To enlighten the needs of Environmental economics
2. To focus on economic development with environment sustainability
3. To make an awareness of environmental valuation
4. To discuss the global warming and green house effects
5. To perceive the international environmental policy

UNIT – I Introduction to Environmental Economics **(18 hours)**

Environmental Economics: Meaning, Nature, Scope and Importance – Classification of resources – The Leontief Abatement model – The Ayres–Kneese's model - Economics of waste management - Problems of waste management in developing economy

UNIT II Environment verses Development **(18 hours)**

Common property resources and its Characteristics - Tragedy of Commons - Pigouvian Solution – Buchanan's theory – Coase's theorem and its critique – Pigouvian verses Coasian solution – Kuznet's Environmental curve hypothesis - Market failure - Relation between development and environmental stress – Cost of economic growth and environmental degradation - Sustainable development

UNIT – III Conservation of Resources and valuation Methods **(18 hours)**

Conservation and Preservation – Methods of Conservation – Material substitution – Product life extension – Recycling – Optimum recycling - Green accounting – Importance – Problems

Environmental valuation Methods – Contingent valuation method – Revealed preference method - Travel Cost method – Hedonic price method – Preventive expenditure method – Cost based method – Dose – Response method – Difficulties in measuring environmental values

UNIT – IV Global Warming and Greenhouse Effects **(18 hours)**

Meaning of global warming – Greenhouse effect and its sources – Contribution to global warming – Response to greenhouse effect – Ozone depletion in the stratosphere – Effects of ozone depletion – Results from global warming – Climate change convention – Contribution of India towards global warming.

UNIT – V International Environmental Policy **(18 hours)**

Pollution as trans frontier problem – International agreements, policies, conferences and acceptances – International Whaling Commission 1947 – Stockholm Conference on Human Environment 1972– Basel convention 1989 – Montreal Protocol 1989 – UNCED Rio De Janeiro 1992 – Agenda 231 – Doha Conference – Environmental Regulation in India

Book for Reference

1. Ian. J, Environmental Economics Applications: A Cost Benefit Analysis, Cambridge University Press, England, 2012.
2. Kolstad. Charles, Environmental Economics, Oxford University Press, England, 2013.
3. M.L. Jhingan, ChandarK.Sharma., Environmental Economics Theory, Management & Policy Virinda Publication, New Delhi, 2012.
4. Eugine. T, EnvironmentalEconomics, Vrinda publications(P) Ltd, New Delhi, 2015.
5. Sankar. U, Environmental Economics, Oxford University Press, New Delhi, 2014.
6. Sankaran. S, Environmental Economics, Margham Publications, Chennai, 2015.

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools
- o Field visit

Course Outcome

After completion of course Environmental Economics the *student will be able to*

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Assess the core concepts of Environmental economics	K3
CO$_2$	Relate environment with economic development	K3
CO$_3$	Evaluate the methodology of calculating environmental degradation	K4
CO$_4$	Realise the global warming and greenhouse effect	K4
CO$_5$	Outline the different environmental policies	K3

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and Pos

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	2	1	1	1	3	3	2	2	2	-	-	2	22
CO2	3	3	3	1	2	3	2	3	3	2	-	-	1	26
CO3	3	3	3	3	3	3	2	3	3	2	-	-	2	30
CO4	2	3	2	-	1	3	2	2	2	2	-	-	1	20
CO5	3	3	3	1	1	2	2	2	3	2	-	-	2	24
Grand total of COs with PSOs and POs														122
Mean value of COs with PSOs and POs = $\dfrac{\textit{Grand total of COs with PSOs and POs}}{\textit{Number of COs relating with PSOs and POs}}$ ($\dfrac{122}{54}$)														2.26

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.26
Observation	COs of Environmental Economics is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core-5
Semester	:II	Hours	:90
Subject Code	:22PECC52	Credit	:05

ADVANCED MICROECONOMICS - II
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To understand the alternative theories of firm
2. To give conceptual clarity of the factors market and distribution models
3. To develop the knowledge of welfare economics
4. To obtain the technicalities of game theories
5. To widen the contextual understanding about risk and uncertainty

Unit - I: Alternative Theories of the Firm   (18 hours)
Baumol's Sales Revenue Maximization Model - Williamson's Model of Managerial Discretion – Marris Model of Managerial Firm - Full Cost Pricing Rule – Bains Limit Pricing Theory - Sylos – Labini Model – Behavioural Model of Firm

Unit – II: Economics of Game Theory and Uncertainty   (18 hours)
Game theory: Concepts – Two-Persons Zero Sum Game – Pay-off matrices - Prisoners dilemma.
Uncertainty: Individual Behaviour towards risk - Expected Utility and Certainty Equivalence Approaches - Risk and Risk Aversion – Competitive Firms under uncertainty

Unit – III: Distribution   (18 hours)
Neo Classical approach – Marginal productivity theory - Product exhaustion theorem– Macro theories of distribution: Ricardian – Marxian – Kalecki – Kaldors.

Unit – IV: Welfare Economics   (18 hours)
Pigovian Welfare Economics; Pareto Optimal Conditions - Value Judgment - Social Welfare Function - Compensation Principle - Inability to Obtain Optimum Welfare - Theory of Second Best - Arrows Impossibility Theorem - Equity Efficiency Trade Off

Unit – V: Economics of Information   (18 hours)
The information problem – The market for Lemons and Adverse selection – Asymmetric information – Adverse selection – Measures adopted to solve the problems of adverse – Insurance market and adverse selection – The problem of Moral Hazard – Market signalling – The principle Agent problems

References:

1. Baumol W.J, Economic Theory and Operation Analysis, Prentice-Hall of India Learning Pvt. Ltd, New Delhi, 2015.
2. Ahuja H.L, Modern MICROECONOMICS (Theory & Applications), S. Chand & Company New Delhi, 2017.
3. Geoffrey A. Jehle and Philip J. Reny, Advanced Microeconomic Theory, Pearson Education Pvt. Ltd, Singapore, 2011.
4. Koutsoyiannis. A, Modern Microeconomics, MacMillan Press Ltd, London, 2003.
5. John Kennedy. M, Advanced Microeconomics, Himalaya Publishing House Pvt. Ltd, Mumbai, 2001.

Teaching and learning methods

- Chalk and Talk
- Power point
- Brainstorm
- Quiz
- ICT Tools

Course Outcome

After completion of course Advanced Microeconomics – II the *student will be able to*

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Judge the objectives of the modern firms	K4
CO$_2$	Illustrate the distribution models	K3
CO$_3$	Familiar with the conditions necessary to achieve optimum social welfare	K3
CO$_4$	Present the ideas of game theories in business decision	K3
CO$_5$	Explain the individual behaviours towards risk and uncertainty	K4

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	2	1	3	3	2	1	-	-	-	-	21
CO2	3	3	3	2	1	3	3	3	2	-	-	-	-	23
CO3	3	3	3	2	1	3	3	3	2	1	-	-	-	24
CO4	1	2	3	3	2	2	2	3	3	2	-	-	-	23
CO5	3	3	3	3	1	2	2	3	3	2	-	-	-	25

Grand total of COs with PSOs and POs			116
Mean value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ $\left(\dfrac{116}{48}\right)$			2.42

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean value of COs with PSOs and POs			2.42
Observation	COs of Advanced Microeconomics – II is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	Part	:Core-6
Semester	:II	Hours	:90
Subject Code	:22PECC62	Credit	:05

FISCAL ECONOMICS
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To assimilate the necessities of public goods and externalities
2. To impart the Knowledge of theories of revenue and expenditure
3. To expound the technicalities of shifting of taxation
4. To enlighten about public debt and Budgetary procedure
5. To understand the nuances of federal finance

UNIT I: INTRODUCTION TO FISCAL ECONOMICS   (18 hours)
Fiscal Economics: Meaning, Scope and Importance – Major fiscal functions - Public goods *Vs* Private goods – Externalities – Market Failure – Prof. Musgrave's Views on public goods

UNIT II: PUBLIC REVENUE AND PUBLIC EXPENDITURE   (18 hours)
Public Revenue: Sources, Characteristics of good tax system - Principles of Taxation – Theories of Taxation – The Cost Theory – Benefit Theory – Ability to Pay Theory – Erik Lindahl's Theory - Bowens Model- Effects of taxation

Public Expenditure: Meaning and Scope - Theories of public expenditure – Wagner' law of Public Expenditure – Peacock and Wiseman Hypothesis – Colin Clark's Theory – Causes and effects of public expenditure

UNIT III: INCIDENCE AND SHIFTING OF TAXATION   (18 hours)
Direct Tax and Indirect Tax – Vertical and Horizontal Taxes – Impact, Incidence and Shifting– Theories of shifting: Concentration, Diffusion - Modern theory – Factors influencing incidence and shifting of taxation - Incidence of direct and indirect taxes –Incidence of taxation under monopoly and monopolistic Competition

UNIT IV: PUBLIC DEBT, BUDGET AND FISCAL POLICY   (18 hours)
Public Debt: Meaning, Types, Objectives, Importance, - Methods of public debt repayment methods – Principles of public debt management – Burden and effects of public debt
Budget: Meaning, Components and Types – Budgetary Procedure in India
Fiscal Policy: Meaning, Objectives – Instruments– Crowding in and Crowding out

UNIT V: FEDERAL FINANCE and LOCAL FINANCE   (18 hours)
Federal Finance: Meaning – Principles – Constitutional Provisions - Mechanism of Allocation of revenue resources between centre and states
Finance Commission – Functions – Review of 14th Finance Commission
   Local Finance: Functions, Sources of Revenues, Problems and Remedies.

References:
1. Musgrave, R.A, Theory of Public Finance, McGraw Hill, Tokyo, 2015.
2. Dalton, H, Routledge and Kegan Paul, Principles of Public Finance, Allied Publications, New Delhi, 2010.
3. John Kennedy. M, Public Finance, Prentice Hall of India Learning Pvt. Ltd, New Delhi, 2012.
4. Tyagi, B.P., Public Finance, Jai Prakash Nath& Co, Meerut, UP, 2016.
5. Chelliah, Raja, J, Fiscal Policies in Developed Countries, Himalaya Publishing House, Mumbai, 1990.

Teaching and learning methods

- o Chalk and Talk
- o Newspaper cutting
- o Survey Reports
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Fiscal Economics the *student will be able to*

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Associate with externalities and functions of fiscal system	K4
CO$_2$	Recognize the revenue and expenditure pattern of the government	K3
CO$_3$	Judge the incidence and impact of taxes at various market	K4
CO$_4$	Evaluate the fiscal policy of the government	K4
CO$_5$	Explain the role and importance of federal finance	K4

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	2	1	1	1	2	2	1	-	-	-	-	16
CO2	3	3	3	2	2	3	3	3	3	3	-	-	2	30
CO3	3	3	3	2	1	3	3	2	2	2	-	-	1	25

CO4	2	2	2	1	2	3	3	3	2	2	-	-	1	23
CO5	2	3	1	1	-	2	2	2	3	3	-	-	2	21
Grand total of COs with PSOs and POs														115
Mean value of COs with PSOs and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ ($\dfrac{116}{52}$)														2.21

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.21
Observation	COs of Fiscal Economics is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.		**Part**	:Core-7
Semester	:II		**Hours**	:90
Subject Code	:22PECC72		**Credit**	:05

MATHEMATICAL METHODS AND APPLICATION
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To understand the role of differential calculus in economics
2. To instruct the applications of differentiations in economic theories
3. To focus the production function by applying mathematical tools
4. To point out the concept of integration and its application in Economics
5. To outline the input-output strategies by employing Matrices

Unit – I: Simple Differentiation   (18 hours)
Meaning – Basic rules – Second order differentiation – Marginal concepts – Elasticity of Demand – Relationship between Average Cost and marginal Cost – Minimising average Cost, marginal Cost and total Cost – Relationship between average revenue and marginal revenue – Maximising total revenue and profit.

Unit – II : Partial And Total Differentiation   (18 hours)
Meaning – Basic rules – Second order differentiation.

Theory of consumer Behaviour

Meaning – Indifference curve – Marginal rate of substitution – Budget constraint – Consumer equilibrium – Derivation of demand function – Income and substitution effect of Slutsky

Theory of Production function

Meaning – Isoquants – Marginal rate of technical substitution – Cost constraint – Producers equilibrium (constrained output maximization and constrained Cost minimization) – Homogeneous functions: Linear homogenous production function – Cobb-Douglas production function – Properties – Euler's theorem.

Unit – III: Equilibrium under different Markets   (18 hours)
Determination of price, output and profit under perfect competition – Monopoly – Discriminating Monopoly – Non – collusive oligopoly (Cournot duopoly)

Unit – IV: Integration   (18 hours)
Meaning - Basic rules – Integration by substitution – Total concepts – Definite integral – Area between two curves – Consumer's surplus – Producer's surplus.

Unit –V: Matrices   (18 hours)
Meaning – Types – Inverse of a Square matrix – Input – Output Analysis – Assumptions – Importance – Limitations – Input – Output transaction table – Hawkins Simon Conditions – Solving an input – Output system.

References:

1. Edward T. Dowling, Schaum's Outline of Introduction to Mathematical Economics, McGraw-Hill Publishing Company, New York, 2011.
2. Alpha C Chiang&Kevin Wainwright, Fundamental Methods of Mathematical Economics, McGraw-Hill Publishing Company, New York, 2005.
3. Madnani G M K & Mehta B C Mathematics for Economists, Sultan Chand & Sons (P) Ltd, New Delhi, 2011.
4. Agarwal. D. R, Mathematics For Economists, Vrinda Publications (P) Ltd, Delhi, 2015.
5. Bose.D, An Introduction to Mathematical Economics, Himalaya Publishing House, Mumbai, 2007.

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools
- o Follow up exercises

Course Outcome

After completion of course Mathematical Methods and Application *the* student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Calculate the maximum and Minimum cost and revenue of firm	K3
CO$_2$	Apply the concept of partial and total derivatives in consume behaviour and production function	K3
CO$_3$	Determine the price and output of a firm by applying mathematical tools	K3
CO$_4$	Estimate the producer's and consumer's surplus by employing integral calculus	K3
CO$_5$	Solve the input and output model by adopting Matrices	K5

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	1	-	3	3	3	1	2	3	3	2	-	-	-	21
CO2	1	1	3	3	2	2	2	3	3	2	-	-	-	22
CO3	2	1	3	3	2	2	2	3	3	3	-	-	-	24
CO4	2	1	3	3	1	2	2	3	1	-	-	-	-	18
CO5	1	2	3	3	1	2	2	3	3	3	-	-	-	23
Grand total of COs with PSOs and POs														108
Mean value of COs with PSOs and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ $\left(\dfrac{108}{48}\right)$														2.25

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.25
Observation	COs of Mathematical Methods and Application is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	:M.A.	**Part**	:Core Elective-2
Semester	:II	**Hours**	:90
Subject Code	:22PECE22	**Credit**	:04

PRINCIPLES OF MANAGEMENT

(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To understand evolution of management concepts
2. To impart the implications of the planning of an organization
3. To spot light the procedure and structure of an organization
4. To acquaint the knowledge of Directing & Management culture
5. To educate the techniques of controlling mechanism

I INTRODUCTION OF MANAGEMENT   **(18 hours)**

Definition: Management – Importance and Functions – Role of Manager – Evolution of management thought – Organization and the environmental factors – Trends and challenges of management in global scenario

II PLANNING   **(18 hours)**

Definition**:** Planning – Importance and forms of planning – Planning process – Types of plans - Limitations of Planning

Decision making – Types of decision – Decision making process – Rational decision making – Decision making under different conditions – Environment of decision making

III ORGANIZNIG   **(18 hours)**

Meaning: Organization –   Process and principles of organizing – Organization structure – Line and staff authority – Departmentation – Span of management – Organizational chart – Principles and types – Delegation of authority – Staffing – Recruitment and Selection – Orientation – Career development – Career stages – Training – Performance appraisal.

IV DIRECTING   **(18 hours)**

Definition: Direction – Creativity and Innovation – Motivation and Satisfaction – Motivation theories – Leadership styles – Leadership theories – Communication – Barriers to effective communication – Organization culture – Elements and types of culture – Managing cultural diversity

V CONTROLLING   **(18 hours)**

Meaning: Control – Process of controlling – Types of control – Essential of effective control – Control techniques -Budgetary and non-budgetary –Managing productivity – Cost control – Purchase control – Maintenance control – Quality control

References:

1. Harold Koontz, Heinz Weihrich and Mark V Canniee, 'Management – A global perspective', McGraw-Hill- New York, 10th edition, 2013.
2. Hellriegel, Slocum & Jackson, 'Management – A Competency Based Approach', Thomson South Western, 10th edition, 2007.
3. Stephen P.Robbins and Mary Coulter, 'Management', Prentice Hall of India, 8th edition, 2014.
4. Ramasamy T, Principles of Management, Himalaya Publishing house, Mumbai, 2016.
5. P.C. Tripathi& P.N. Reddy, Principles of Management, Tata McGraw Hill Education Private Ltd, New Delhi, 2012.

Teaching and learning methods

- o Chalk and Talk
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Principles of Management the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Familiar with the core concepts of management	K3
CO$_2$	Justify the needs of planning by enterprises	K4
CO$_3$	Assess the activities of an organization	K3
CO$_4$	Imbibe the skills of directing	K3
CO$_5$	Denote the controlling activities of management	K3

K1=Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	-	-	3	-	1	-	-	1	2	1	2	3	2	15
CO2	-	-	3	-	1	-	-	1	2	1	2	3	2	15
CO3	-	1	3	-	1	-	-	1	2	1	2	3	2	16

CO4	-	1	3	-	1	-	-	1	2	1	2	3	2	16
CO5	-	1	3	-	1	-	-	1	2	1	2	3	2	16
Grand total of COs with PSOs and POs														88
Mean value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ $\left(\dfrac{88}{43}\right)$														2.05

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.05
Observation	COs of Principles of Management is strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	Part	: NME-1
Semester	: II	Hours	: 60
Subject Code	: 22PECN12	Credit	: 04

ISSUES IN INDIAN ECONOMY
(Non- Major Elective)
(Outcome based syllabus under CBCS Structure for the students admitted from the academic year 2020 - 2021)

Course Educational Objectives
1. To enrich the knowledge about the Indian economy
2. To inculcate the essentiality of agriculture sector and green revolution
3. To outline the role and problems of public sector in India
4. To focus on the MNC and Globalization
5. To precise the need of economic reforms

Unit – I Nature of Indian Economy   **(12 hours)**
        India – An Underdeveloped Economy, India – A Developing Economy, India – A Mixed Economy
        Meaning of Population Explosion – India's Population: Size and Growth Trends – Causes of the Rapid Growth of Population – The Future – Population and Economic Development – Remedies for Population Explosion – Population Policy.
        The Concept of Poverty line – Incidence of Poverty in India – Human Poverty – Rural Poverty – Poverty and Trickle Down in the Rural Sector – Safety Nets for Poor – Poverty Alleviation Programmes – Strategy of Poverty Alleviation.

Unit – II Indian Agriculture and Green Revolution   **(12 hours)**
        Role of Agriculture in Indian Economy – Nature of India's Agriculture – Cropping pattern in India - Green Revolution – Impact of Green Revolution – Agrarian Crisis

Unit – III Public Sector in the Indian Economy   **(12 hours)**
        Division of the Economy into Public and Private Sectors – Role of Public Sector in Indian Economy – Performance of the Public Sector – Problems of Public Sector Enterprises – Policy towards Public Sector Since 1991.

Unit – IV Multinational Corporations – Globalisation   **(12 hours)**
        Reasons for the Growth of MNCs – Foreign Collaboration and MNCs – A Critical Appraisal of MNC operations on Indian Economy – Control over Multinational Corporations
        Meaning of Globalisation – Globalisation in India – Steps towards Globalisation – Effects of Globalisation

Unit – V Economic Reforms and Liberalization   **(12 hours)**
        The origin of Economic Crisis – Macroeconomic Stabilization – Structural Reforms – An Appraisal of Economic Reforms – India's Economy Since Economic Reforms.

References
1.Mishra &Puri, Indian Economy, Himalaya Publishing House, Mumbai, 2016.

2. Gaurav Datt and AshwaniMahajan, Datt&Sundharam's Indian Economy, S. Chand & Company, New Delhi, 2015.
3. Agrawal, A.N. , Agarwal, M.K. Indian Economy : Problems of Development and Planning , New Age International (P) Ltd., Publishers, New Delhi, 2015.
4. Garg, V.K., Indian Economic Problems, Sultan Chand & Sons, New Delhi, 2016.
5. Economic Survey (Various Issues), Department of Economic Affairs, Ministry of Finance, Government of India, since 1951.

Teaching and learning methods

- o Chalk and Talk
- o Newspaper cutting
- o Survey reports
- o Article and Journal readings
- o Power point
- o Brainstorm
- o Quiz
- o ICT Tools

Course Outcome

After completion of course Issues in Indian Economy *the* student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Analyze the characteristics of Indian economy	K4
CO$_2$	Explain the impact of green revolution and cropping pattern of India	K3
CO$_3$	Highlight the problems of public sector	K4
CO$_4$	Expound the crucialities of Globalisation and Indian economy	K3
CO$_5$	Appraise the basics of structural reforms	K4

K1=Remembering, K2= Understanding, K3 = Application, and K4= Analysis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	1	-	3	2	1	1	2	2	-	-	1	19
CO2	3	3	1	-	3	2	1	1	2	2	-	-	1	19
CO3	2	3	3	1	1	2	1	1	2	2	-	-	1	19

CO4	2	3	3	1	2	2	1	1	2	2	-	-	1	20
CO5	2	3	3	1	2	2	1	1	2	2	-	-	1	20
Grand total of COs with PSOs and POs														97
Mean value of COs with PSOs and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ $\left(\dfrac{97}{53}\right)$														1.83

Strong – 3, Medium – 2 & Low - 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs		1.83	
Observation	COs of Issues in Indian Economy in relation with PSOs and POs is Medium		

****

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	**Part**	: CORE-8
Semester	: III	**Hours**	: 90
Subject Code	: 22PECC83	**Credit**	: 05

INTERNATIONAL ECONOMICS

(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :

1. To grasp the concepts in international economics.
2. To understand the modern theories in international trade
3. To discuss the factors influencing gains from trade and terms of trade
4. To explain the commercial policies in the context of Globalisation
5. To outline the stages of economic integration

Unit – I International Economics and Classical Theories   (18 Hours)

International Economics: Meaning – Importance – Difference between internal and international economics

Classical Theories of international Trade: Adam Smith's Absolute Cost Theory – Ricardo's Comparative Cost Theory – Haberler's Theory of Opportunity Cost

Unit – II Modern Theories of International trade   (18 Hours)

Factor Endowment Theorem – Leontief Paradox – Stopler – Samuelson Theorem – Rybczynski Theorem – Availability Doctrine - Vernon's product Cycle – Vent for Surplus – Linder's Theory of Trade – Paul Krugman's Intra-Industrial trade

Unit – III Gains From Trade and Terms of Trade   (18 Hours)

Gains from Trade: Factors affecting Gains from trade

Terms of Trade: Classification – Factors affecting terms of trade – Secular Deterioration Hypothesis – Theory of Immiserizing growth – Dutch disease

Unit – IV Commercial Policy   (18 Hours)

Free Trade vs Protection:

Tariffs: Meaning – Classification – Effects

Quotas: Meaning – Types – Effects

Exchange Control: Meaning, Objectives – Methods

Unit – V Customs Union and Regional Blocks   (18 Hours)

Economic Integration: Stages of economic integration – Static and dynamic effects – Determinants of success of a Customs Union - European Union: working, achievements and Challenges – SAARC: Objectives – SAPTA – Problems of SAARC – A note on BRICS – Suggestion to increase economic cooperation – ASEAN – NAFTA

References

1. Vaish, M.C.,Dr. Sudama Singh, International Economics, Oxford & IBH Publishing Co Pvt.Ltd, 2017
2. Dominick Salvatore, International Economics: Trade and Finance, John Wiley & SonsNew Jersey, United States 2016
3. Cherunilam Francis, International Economics, Tata McGraw Hill, New Delhi, 2016

4. Maria John Kennedy M, International Economics, Prentice Hall of India publication, New Delhi, 2016
5. Mithani, D.M. International Economics, Himalaya Publishing House, Mumbai, 2017

Teaching and learning methods

o Lecture
o Power point
o Brainstorm
o Quiz
o Google maps
o Videos

Course Outcome

After completion of course International economics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Relate different Classical theories of International trade	K3
CO$_2$	Assess the modern theories of International trade	K4
CO$_3$	Analyse the cause and effect relationship between export and import	K5
CO$_4$	Prioritise the Commercial policies at different economic environment	K4
CO$_5$	Categorise different trade blocs	K5

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	1	-	3	3	3	3	1	-	-	-	23
CO2	3	3	3	1	-	3	3	3	3	1	-	-	-	23
CO3	3	3	2	2	1	3	3	2	2	1	-	-	-	22
CO4	2	2	2	1	-	3	3	3	2	1	1	-	-	20
CO5	2	3	3	2	2	2	2	3	3	1	-	-	-	23
Grand total of COs with PSOs and POs														111
Mean value of COs with PSOs and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ ($\frac{111}{48}$)														2.31

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.31
Observation	COs of International Economics is Strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	**Part**	: CORE-9
Semester	: III	**Hours**	: 90
Subject Code	: 22PECC93	**Credit**	: 05

INDIAN ECONOMY

(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :
1. To understand the nature of the Indian economy
2. To get acquaint with the sectoral bases of the Indian economy
3. To enlighten India's external sector
4. To outline the fiscal performance of the economy
5. To clarify the contemporary economic issues of Indian economy

UNIT – I: ECONOMIC DEVELOPMENT (18 hours)
Concept of Under Development – Features of Underdeveloped Countries – The challenging scenario in UDC's – Poverty and Unemployment – Growth and Development – Measurement of Economic Development – Role of state and economic development – State vs Market

UNIT – II: SECTORAL DEVELOPMENT (18 hours)
a) Agricultural Sector: Role of agriculture in Indian economy - Causes for low productivity – Land Reforms – Objectives – Evaluation of land reforms in India – Green revolution and its Impact – Agricultural finance: Sources - Agricultural price policy: Need – Evaluation of government's agricultural price policies
a) Industrial Sector: Industrial Development: trends in industrial production – Changes in the industrial pattern – Problems of industrial development in India – MSME: Definition – Role of MSME in India – Problems of MSMEs – Industrial Policy – Brief review of 1948, 1956, 1977 and 1980 industrial policies – Industrial Policy 1991 – Critical review – Recent policy initiatives towards Industrial Policy – Make in India – Start up India
c) Services Sector: Role – Growth and contribution – Sustainability of service led growth

UNIT – III: INDIA'S FOREIGN TRADE (18 hours)
Trade and economic growth – Volume, Composition and direction of India's foreign trade – Trends in India's Balance of Payments – Recent Foreign Trade Policy – Management of foreign exchange reserves – Full convertibility of rupee – Foreign capital and multi-national corporation in India.

UNIT – IV: FISCAL SYSTEM IN INDIA (18 hours)
Trend and Growth: Public Revenue – Public Expenditure – Public Debt - India's Tax Structure – Tax Reforms in India – GST – Fiscal Discipline – Challenges – Growth of Public Expenditure in India– Fiscal Responsibility and Budgetary Management Act2003 – Centre state financial relations in India – Recommendations of latest finance commissions

UNIT – V: ISSUES OF CURRENT INTEREST (18 hours)
New Economic Policy – Structural Adjustment Programmes – Globalisation and the Indian Economy – FDI in India's Retail Sector – Special Economic Zones – Agrarian Crisis – Poverty, Inequality and Unemployment – Micro Finance – Employment Guarantee Act – Emerging

Trends in capital market in India – Interlinking of Rivers – Environmental Challenges – Sustainable Development – Black Money – Measures to Curb Black Money – Demonetisation – Effects of Demonetisation

References

1. Uma Kapila, Indian Economy Since Independence, Academic Foundation, Haryana 2019
2. GauravDatt and AshwaniMahajan, Datt&Sundharam's Indian Economy, S. Chand Company, New Delhi, 2017
3. Mishra & Puri, Indian Economy, Himalaya Publishing House, Mumbai, 2018
4. Agrawal, A.N., Agarwal, M.K. Indian Economy: Problems of Development and Planning, New Age International (P) Ltd., Publishers, New Delhi, 2017
5. Economic Survey (Various Issues), Department of Economic Affairs, Ministry of Finance, Government of India, since 1951
6. RBI Handbook of Statistics
7. CSO

Teaching and learning methods

- o Lecture
- o Power point
- o Brainstorm
- o Quiz
- o Google maps
- o Videos

Course Outcome

After completion of course Indian economy the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Narrate the nature of Indian economy	K4
CO$_2$	Dissect the sectoral performances of an economy	K4
CO$_3$	Summarise the India's external sector	K5
CO$_4$	Appraise the fiscal performance of Indian economy	K5
CO$_5$	Explore the emerging issues on the economy	K3

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	2	3	2	1	3	3	2	2	3	2	-	-	25
CO2	2	3	2	2	3	2	3	3	3	2	1	-	-	26
CO3	2	3	3	2	2	3	3	3	3	2	2	-	-	28
CO4	3	3	3	2	3	3	3	3	3	2	1	-	-	29
CO5	1	3	2	1	3	3	3	2	3	3	2	-	-	26
Grand total of COs with PSOs and POs														134
Mean value of COs with PSOs and POs = $\frac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}} \left(\frac{134}{55}\right)$														2.44

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.44
Observation	COs of Indian Economy is Strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	**Part**	: CORE-10
Semester	: III	**Hours**	: 90
Subject Code	: 22PECD03	**Credit**	: 05

DEVELOPMENT ECONOMICS

(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :

1. To comprehend the basic concepts in Development Economics
2. To associate with different indicators of human development
3. To familiarise with the conditions that are necessary for economic development through growth theories
4. To explain the literature on the applied economics of growth.
5. To deal the planning techniques for economic development

UNIT – I: ECONOMIC GROWTH AND ECONOMIC DEVELOPMENT   (18 hours)

Meaning of Economic Development – Growth Vs Development - The Developmental Gap – Convergence of Development levels – Kuznets Hypothesis - Chenery's Pattern of Structural Change – Obstacles to Growth and Development

UNIT – II: HUMAN DEVELOPMENT   (18 hours)

Physical Quality Life Index (PQLI) – Meaning – Indicators – Human Development Index (HDI) – Meaning - Components – Calculation – Gender Index and Gender Inequality Index(GII) – Meaning – Components – Multidimensional Poverty Index (MPI) – Meaning – Indicators - Role of Human Development for Economic Development – Sustainable Development Goals

UNIT – III: THEORIES OF ECONOMIC GROWTH   (18 hours)

Adam Smith's theory – Ricardian theory – The Malthusian theory - The Marxian Theory – Rostow stages of Economic growth – Lewis Theory of Unlimited supplies of labour – Fei Ranis theory - Dependency Theory of Under

UNIT – IV: ECONOMIC GROWTH MODELS   (18 hours)

The Harrod - Domar Model – Kaldor's Model - Joan Robinson's Model of Capital Accumulation – Solow model of Economic Growth – Meade's Model

UNIT – V: PLANNING TECHNIQUES   (18 hours)

Capital output ratio: Meaning – Factors Determining Capital output ratio – Causes for low and high capital output ratio.

Choice of Techniques: Meaning – Labour and Capital Intensive Techniques : Meaning – Arguments for and against capital intensive and labour intensive techniques.

Transfer Technology: Meaning – Need for Transfer of Technology – Channels of Technology Transfer.

References:

1. Thirlwall A.P., Economics of Development – Theory and Evidence, Palgrave Macmillan, 2016
2. Taneja M.L. & Myer R.M., Economics of Development and Planning Vishal Publishing Co, Jalandhar, Punjab, 2016

3. Misra & Puri, Economics of Development and Planning - Theory And Practice, Himalaya Publishing House, New Delhi, 2016
4. Jhingan, M.L., Economics of Development and Planning, Vrinda Publications P LT- New Delhi, 2018

Teaching and learning methods

- o Lecture
- o Power point
- o Brainstorm
- o Quiz
- o Google maps
- o Videos

Course Outcome

After completion of course Development Economics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Describe the nuances of economic growth and development	K3
CO$_2$	Estimate Human and gender indices	K4
CO$_3$	Examine the classical theories	K4
CO$_4$	Explain the conditions that are necessary for economic development through growth theories	K3
CO$_5$	Associate the key parameters of economic development	K4

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	3	3	2	2	3	3	3	3	2	1	-	-	27
CO2	2	3	2	3	3	2	3	3	3	3	-	-	-	27
CO3	3	2	2	3	3	3	3	3	3	2	1	-	-	28
CO4	2	3	3	2	2	2	3	3	3	3	1	-	-	27
CO5	2	3	3	2	2	2	3	3	3	3	1	-	-	27
Grand total of COs with PSOs and POs														136
Mean value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ ($\frac{88}{54}$)														2.52

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with POs and PSOs			2.52
Observation	COs of Development Economics is Strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	Part	: CORE-11
Semester	: III	Hours	: 90
Subject Code	: 22PECD13	Credit	: 05

ECONOMETRICS

(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :
1. To introduce the basic concepts in econometrics
2. To regress two variable
3. To estimate partial regression coefficient
4. To impart the knowledge of violations of assumptions
5. To familiarise the time series data

UNIT I: ECONOMETRICS (18 hours)
Econometrics: Meaning – Scope – Types of Data – Methodology – Limitations – Stochastic vs Non-stochastic Variable – Sampling Distribution.

UNIT II: SIMPLE REGRESSION (18 hours)
Regression: Meaning – Simple Linear Regression Model: Meaning – Assumptions – Reason for the introduction of disturbance term – Regression Model: Method of ordinary least square(concept only) – Properties of least square estimator – Estimation – Standard Error – Hypothesis Testing – Confidence Interval – Goodness of Fit – Elasticities – Simple Numerical Problems.

UNIT III: MULTIPLE LINEAR REGRESSION (18 hours)
Multiple Linear Regressions: Meaning – Estimation – Standard Error – Hypothesis Testing – Confidence Interval – Goodness of Fit – Elasticities – Simple Numerical Problems with three variables.

UNIT IV: PROBLEM OF SINGLE EQUATION MODEL (18 hours)
Autocorrelation, Heteroscedasticity and Multicollinearity
Meaning – Causes – Consequence – Test – Remedies.

UNIT V: Dummy Variable and Time Series (18 hours)
Dummy Variable: Meaning – Dummy Variable Model
Time Series: Meaning – Stationarity Vs Non-Stationarity – Random Walk Models – Causality (Concept only)

References:
1. Jeffrey M Wooldridge, Introductory Econometrics: A Modern Approach, Cengage Learning India Pvt Ltd, New Delhi, 2012
2. James H.Stock & Mark W. Watson, Introduction to Econometrics, Pearson Education Pvt. Ltd, Singapore, 2010
3. Damodar N. Gujarathi and Sangeetha, Basic Econometrics, Tata McGraw-Hill Publishing Company, New Delhi, 2011
4. Koutsoyiannis A, Theory of Econometrics, Palgrave, New York, 2001

5. Maddala G. S, Introduction to Econometrics, John Wiley & Sons, Fte. Ltd, Singapore, 2005

Teaching and learning methods
- o Lecture
- o Power point
- o Brainstorm
- o Quiz
- o Analytical tools
- o Videos

Course Outcome
After completion of course Econometrics the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Summarise the basics of Econometrics	K3
CO_2	Estimate and interpret two variable model	K4
CO_3	Evaluate the cause and effect relationship among more than two variable	K5
CO_4	Assess the violations of assumptions	K5
CO_5	Appraise the qualitative and time series data	K5

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	2	3	3	3	2	3	3	3	3	2	-	1	31
CO2	3	2	3	3	3	2	3	3	3	3	2	-	1	31
CO3	3	2	3	3	3	2	3	3	3	3	2	-	1	31
CO4	1	1	3	3	-	3	3	3	3	3	2	-	-	25
CO5	3	2	3	3	3	2	3	3	3	3	2	-	1	31
Grand total of COs with PSOs and POs														149
Mean value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ ($\dfrac{149}{58}$)														2.57

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.57
Observation	COs of Econometrics is Strongly related with PSOs and POs		

Class	: M.A.	Part	: Core Elective-3
Semester	: III	Hours	: 90
Subject Code	: 22PECE33	Credit	: 04

RESEARCH METHODOLOGY

(For Students admitted from the Academic Year 2020-21 onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :
1. To identify the research problems and formulate research design
2. To enlighten the significance of sampling in research
3. To indicate the essentialities of hypothesis testing
4. To focus on technicalities of collection of data
5. To develop the data processing and report writing skills

UNIT I: RESEARCH PROBLEM AND RESEARCH DESIGN (18 hours)

Research: Meaning, Objectives, Types of Research, Research Approaches, Research Methods and Research Methodology, Research Process, Problems Encountered by Researchers in India.

Research Problem: Definition, Formulation, Techniques.

Research Design: Meaning, Need, Features, and Concepts relating to Research Design

UNIT II: SAMPLING DESIGN (18 hours)

Census and Sample Survey; Steps in Sampling Design; Criteria for Selecting a Sampling Design; Characteristics of a Good Sample Design; Types of Sample Designs

UNIT III: HYPOTHESIS AND APPROACHES TO RESEARCH (18 hours)

Hypothesis: Meaning, Sources, Types, Characteristics of a Good hypothesis.

Research Approaches: Historical, Descriptive, Case Study and Survey.

UNIT IV: SOURCES AND METHODS OF DATA COLLECTION (18 hours)

Primary Data and Secondary Data; Collection of Data– a) Observation b) Interview c) Questionnaire d) Schedules Selection of Appropriate method of Data Collection - Sources of Secondary Data.

UNIT V: PROCESSING, ANALYSIS & INTERPRETATIONS AND REPORT WRITING
(18 hours)

Processing Operations; Some Problems in Processing; Elements and Types of Analysis, - Research Ethics

Interpretations: Meaning, Need, Technique, Precautions - Significance of Report Writing; Different Steps in Writing Report, Layout of the Research Report, Guidelines for writing Research Reports.

References:
1. De Vaus D.A, Surveys In Social Research, George Allen & Unwin (Publisher) Ltd, London, 2016
2. Donald H. McBurney, Research Methods, Thomson Asia Pvt. Ltd, Singapore, 2015
3. Pauline V. Young, Scientific Social Surveys and Research, Prentice Hall of India Pvt. Ltd, New Delhi, 2014
4. Kothari C.R, Research Methodology Methods and Techniques, New Age International Pvt Ltd, New Delhi, 2016

5. Panneerselvam R, Research Methodology, Prentice Hall of India Pvt. Ltd, New Delhi, 2015

Teaching and learning methods
- Lecture
- Power point
- Brainstorm
- Quiz
- Analytical tools
- Journals

Course Outcome

After completion of course Research Methodology the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Identify the research problems and construct the research designs	K3
CO_2	Prepare the suitable sampling design	K5
CO_3	Frame the hypothesis of research problem	K4
CO_4	Formulate the questionnaire and collect the data	K5
CO_5	Prepare the project layout	K5

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	3	2	3	3	3	3	3	3	2	1	1	33
CO2	-	2	1	3	2	1	1	3	3	3	2	-	-	21
CO3	3	3	2	3	2	3	3	3	3	3	2	-	1	31
CO4	1	2	2	3	1	1	1	3	3	3	2	-	1	23
CO5	2	2	3	3	3	2	3	3	3	3	2	-	1	30
Grand total of COs with PSOs and POs														138
Mean value of COs with PSOs and POs = $\dfrac{\text{Grand total of COs with PSOs and POs}}{\text{Number of COs relating with PSOs and POs}}$ $\left(\dfrac{138}{59}\right)$														2.34

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with POs and PSOs			2.34
Observation	COs of Research Methodology is Strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	Part	: Core-12
Semester	: IV	Hours	: 90
Subject Code	: 22PECD24	Credit	: 05

INTERNATIONAL MONETARY SYSTEM
(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :
1. To educate the International monetary transactions
2. To reveal the implications of exchange rate theories and policies
3. To highlight the International liquidity transaction
4. To indoctrinate the need of optimum currency region at present scenario
5. To instruct the operation of various international monetary institutions

Unit – I Balance of Payment   **(18 hours)**
Balance of Payment: Meaning – Structure – Causes for Disequilibrium – Correcting Measures – Elasticity Approach, Absorption Approach and Monetary Approach to BoP – J Curve Effect

Unit – II Foreign Exchange Rate Theories and policies   **(18 hours)**
Foreign Exchange: Meaning – Foreign Exchange Rate Determination: Mint parity Theory – Purchasing Power Parity Theory – Market Determination - Foreign Exchange Market: Types - Foreign Exchange Rate: Fixed and Flexible Rate – Arguments for and against Fixed and Flexible Exchange Rate

Unit – III Exchange Rate System and International Liquidity   **(18 hours)**
Bretton Woods System – The Breakdown of the Bretton Woods System – The Post Bretton Woods exchange rate Systems – Hybrid Intermediate Exchange Rate System – Adjustable Peg System – Crawling Peg – Managed Float – Clean Float – Dirty Float
International Liquidity: Meaning – Features of International Liquidity – Need – Importance – Problems - Measures to Solve the Problem of International Liquidity

Unit – IV Optimum Currency Area   **(18 hours)**
Optimum Currency Area: Meaning – Factors Determining the Success – Factor Mobility Theory – Open Economic Theory – Propensity to Inflation Theory – Cost Benefit Theory - General Theory of Optimum Currency Area – Merits and Demerits of Optimum Currency Area

Unit – V International Monetary Institutions   **(18 hours)**
World Bank: Organisation – Objectives – Functions – World Bank Groups
International Monetary Fund – Objectives – IMF's Facilities – A critical appraisal
World Trade Organisation – Objectives – Functions – WTO Agreements – A critical appraisal

References
1. Dominick Salvatore International Economics: Trade and Finance, John Wiley & Sons New Jersey, United States 2014
2. Maria John Kennedy M, International Economics, Prentice Hall of India publication, New Delhi, 2014
3. Cherunilam Francis, International Economics, Tata McGraw Publication, New Delhi, 2015
4. Mithani, D.M. International Economics, Himalaya Publishing House, Mumbai, 2015

5. Jhingan, M.L. International Economics, Virinda Publications New Delhi, 2015

Teaching and learning methods
- Lecture
- Power point
- Brainstorm
- Quiz
- Analytical tools
- Journals

Course Outcome

After completion of course International Monetary System the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO$_1$	Categorise various accounts in balance of payment	K4
CO$_2$	Compare the different exchange rate theories	K3
CO$_3$	Outline the various exchange rate systems	K3
CO$_4$	Expound the prominence of Optimum currency area	K4
CO$_5$	Narrate the functions of International monetary institutions	K4

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K$_5$= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	3	2	2	1	3	2	3	3	2	1	-	-	24
CO2	3	3	3	1	-	3	3	3	3	1	-	-	-	23
CO3	3	3	3	1	-	3	3	3	3	1	-	-	-	23
CO4	2	3	3	2	2	3	3	3	3	2	1	-	-	27
CO5	1	1	1	1	2	2	1	3	3	2	1	-	-	18
Grand total of COs with PSOs and POs														115
Mean value of COs with PSOs and POs = $\dfrac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ ($\dfrac{115}{51}$)														2.25

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.25
Observation	COs of International Monetary System is Strongly related with PSOs and POs		

ARUL ANANDAR COLLEGE (AUTONOMOUS) KARUMATHUR – 625 514
DEPARTMENT OF ECONOMICS

Class	: M.A.	**Part**	: Core -13
Semester	: IV	**Hours**	: 90
Subject Code	: 22PECD34	**Credit**	: 05

OPERATIONS RESEARCH

(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :
1. To acquaint the linear programming problems
2. To familiarise the transportation problem
3. To disseminate the assignment problem
4. To develop the inventory control skill
5. To understand the relevance of Game theory and Queuing theory in enterprises

UNIT I: OPERATIONS RESEARCH AND LINEAR PROGRAMMING   (18 hours)
Operations Research: Meaning – Methodology – Scope – Advantages - Limitations.
Linear Programming: Meaning – General model of LPP – Formulation of a problem into LPP – Solution by Graphical Method – Solution by Simplex Method.

UNIT II: TRANSPORTATION PROBLEM   (18 hours)
Transportation Problem: Meaning – General Model, Methods of finding initial solution: North-West Corner Method – Least Cost Method – Vogal's Approximation Method, Test for Optimality: Modified Distribution Method.

UNIT III: ASSIGNMENT PROBLEM   (18 hours)
Assignment Problem: Meaning - General Model - Hungarian Method of Assignment Problems (Minimization Case & Maximization Case) - Unbalanced Assignment Problems.

UNIT IV: INVENTORY CONTROL   (18 hours)
Meaning – Objectives – Characteristics – Economic Order Quantity – Models of Inventory Control: Purchase Model with Instantaneous Replenishment and without Shortages – Manufacturing Model without Shortages – Purchase Model with Instantaneous Replenishment and with Shortages – Manufacturing Model with Shortages, Quantity Discount.

UNIT V: THEORY OF GAMES AND QUEUING THEORY   (18 hours)
Game Theory: Meaning - Two Person Zero – Sum Games – The Maximin – Minimax Principle – Pure Strategy Games – Principle of dominance – Mixed Strategy Games – Graphical Method.
Queuing Theory: Meaning – Characteristics of a queuing system – Single-channel Queuing model.

References
1. Frederick S. Hillier & Gerald J.Lieberman, Introduction to Operations Research, McGraw-Hill Publishing Company, New York, 2014
2. Michael W. Carter, W H C Bassetti, Camille C. Price, Operations Research: A Practical Introduction, CRC Press LLC,Florida, United States, 2012
3. Hamdy A Taha, Operations Research an Introduction, Pearson Education Pvt. Ltd, Singapore, 2011

4. William J Baumol, Economic Theory and Operations Analysis, Prentice Hall India Learning Private Limited; 4 edition, 1979
5. Tiwary N.K &Shishir K. Shandilya, Operations Research, Prentice Hall of India Pvt. Ltd, New Delhi, 2014

Teaching and learning methods
- Lecture
- Power point
- Brainstorm
- Quiz
- Analytical tools
- Journals

Course Outcome

After completion of course Operations Research the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Construct and solve the Linear Programming models for various type of problems	K5
CO_2	Optimise the transport cost of enterprises	K5
CO_3	Allocate the resources to the various activities	K5
CO_4	Plan for the purchase of raw materials	K5
CO_5	Formulate the queues in business hours	K5

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K_5= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	2	2	3	3	2	2	2	3	3	3	2	1	-	28
CO2	1	1	1	3	2	1	3	3	3	3	2	2	1	26
CO3	1	1	1	3	2	1	3	3	3	3	2	2	1	26
CO4	1	1	1	3	2	1	3	3	3	3	2	2	1	26
CO5	1	1	3	3	2	1	3	3	3	3	3	-	-	26
Grand total of COs with PSOs and POs														132
Mean value of COs with PSOs and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ $(\frac{132}{62})$														2.13

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with PSOs and POs			2.13
Observation	COs of Operation Research is Strongly related with PSOs and POs		

Class	: M.A.	Part	: Core Elective-4
Semester	: IV	Hours	: 90
Subject Code	: 22PECE44	Credit	: 04

ECONOMICS FOR SET / NET / JRF

(For Students admitted from the Academic Year 2020-21onwards under the New CBCS Pattern)

Course Educational Objectives (CEO) :

1. To remind the Micro and Macroeconomics concepts
2. To recall the Statistics, Econometrics and Mathematical Economics
3. To recollect the prime concepts in International economics and Public economics
4. To highlight the areas of Growth, Development Economics, Money and Banking
5. To revise the Environmental Economics, Demography and Indian Economy

Unit I: Micro and Macroeconomics **(18 hours)**

Microeconomics - Theory of Consumer Behaviour - Theory of Production and Costs - Decision making under uncertainty Attitude towards Risk - Game Theory – Non Cooperative games - Market Structures, competitive and non-competitive equilibria and their efficiency properties - Factor Pricing - General Equilibrium Analysis - Efficiency Criteria: Pareto-Optimality, Kaldor – Hicks and Wealth Maximization - Welfare Economics: Fundamental Theorems , Social Welfare Function -Asymmetric Information: Adverse Selection and Moral Hazard

Macroeconomics - National Income: Concepts and Measurement - Determination of output and employment: Classical & Keynesian Approach - Consumption Function - Investment Function - Multiplier and Accelerator - Demand for Money - Supply of Money - IS – LM Model Approach 2 - Inflation and Phillips Curve Analysis - Business Cycles - Monetary and Fiscal Policy - Rational Expectation Hypothesis and its critique

Unit II Statistics, Econometrics and Mathematical Economics **(18 hours)**

Statistics and Econometrics - Probability Theory: Concepts of probability, Distributions, Moments, Central Limit theorem - Descriptive Statistics – Measures of Central tendency & dispersions, Correlation, Index Numbers - Sampling methods & Sampling Distribution - Statistical Inferences, Hypothesis testing - Linear Regression Models and their properties – BLUE - Identification Problem - Simultaneous Equation Models – recursive and non-recursive - Discrete choice models - Time Series Analysis

Mathematical Economics - Sets, functions and continuity, sequence, series- Differential Calculus and its Applications - Linear Algebra – Matrices, Vector Spaces - Static Optimization Problems and their applications - Input-Output Model, Linear Programming - Difference and Differential equations with applications

Unit – III International Economics and Public Economics **(18 hours)**

International Economics - International Trade: Basic concepts and analytical tools-Theories of International Trade- International Trade under imperfect competition - Balance of Payments: Composition, Equilibrium and Disequilibrium and Adjustment Mechanisms - Exchange Rate: Concepts and Theories - Foreign Exchange Market and Arbitrage - Gains

from Trade, Terms of Trade, Trade Multiplier - Tariff and Non-Tariff barriers to trade; Dumping - GATT, WTO and Regional Trade Blocks; Trade Policy Issues - IMF & World Bank Public Economics - Market Failure and Remedial Measures: Asymmetric Information, Public Goods, Externality - Regulation of Market – Collusion and Consumers' Welfare - Public Revenue: Tax & Non-Tax Revenue, Direct & Indirect Taxes, Progressive and non-Progressive Taxation, Incidence and Effects of Taxation - Public expenditure - Public Debt and its management - Public Budget and Budget Multiplier - Fiscal Policy and its implications

Unit IV: Growth, Development Economics, Money and Banking **(18 hours)**
Growth and Development Economics - Economic Growth and Economic Development - Theories of Economic Development: Adam Smith, Ricardo, Marx, Schumpeter, Rostow, Balanced & Unbalanced growth, Big Push approach. - Models of Economic Growth: Harrod-Domar, Solow, Robinson, Kaldor - Technical progress – Disembodied & embodied; endogenous growth - Indicators of Economic Development: PQLI, HDI, SDGs- Poverty and Inequalities – Concepts and Measurement - Social Sector Development: Health, Education, and Gender
Money and Banking - Components of Money Supply - Central Bank - Commercial Banking - Instruments and Working of Monetary Policy - Non-banking Financial Institutions -Capital Market and its Regulation

Unit – V Environmental Economics, Demography and Indian Economy **(18 hours)**
Environmental Economics and Demography - Environment as a Public Good - Market Failure - Coase Theorem - Cost-Benefit Analysis and Compensation Criteria - Valuation of Environmental Goods
Theories of Population - Concepts and Measures: Fertility, Morbidity, Mortality - Age Structure, Demographic Dividend - Life Table - Migration
Indian Economy - Economic Growth in India: Pattern and Structure - Agriculture: Pattern & Structure of Growth, Major Challenges, Policy Responses - Industry: Pattern & Structure of Growth, Major Challenges, Policy Responses - Services: Pattern & Structure of Growth, Major Challenges, Policy Responses - Rural Development – Issues, Challenges & Policy Responses- Urban Development – Issues, Challenges and Policy Responses - Foreign Trade: Structure and Direction, BOP, Flow of Foreign Capital, Trade Policies - Infrastructure Development: Physical and Social; Public-Private Partnerships - Reforms in Land, Labour and Capital Markets - Centre-State Financial Relations and Finance Commissions of India; FRBM - Poverty, Inequality & Unemployment

Book for Reference
1. SriniwasShirur, UGC NET/ SLET Economics, Danika Publishing Company, New Delhi, 2016
2. John Kennedy M, Objective Economics for Competitive Examinations, Himalaya Publishing House, Mumbai, 2015
3. Gopal Garg, UGC NET/JRF/SET Economics, Upkarprakashan, Agra, 2015
4. Gupta, UGC NET/ SLET Economics, Danika Publishing Company, New Delhi, 2014
5. Sanjay Kumar, UGC NET/SLET Economics, Ramesh Publishing House, New Delhi, 2014

Teaching and learning methods
o Lecture
o Power point

- ○ Brainstorm
- ○ Quiz
- ○ Analytical tools
- ○ Journals

Course Outcome

After completion of course Economics for NET / SET/ JRF the student will be able to

SL.NO	COURSE OUTCOME	KNOWLEDGE LEVEL (Bloom's Taxonomy)
CO_1	Attend the Micro and Macroeconomics questions	K2
CO_2	Clear the questions in Statistics, Econometrics and Mathematical Economics	K2
CO_3	Get through the International Economics and Public Economics questions	K2
CO_4	Face the questions in Growth, Development Economics, Money and Banking	K2
CO_5	Confront the questions in Environmental Economics, Demography and Indian Economy	K2

K1= Remembering, K2= Understanding, K3 = Application, K4= Analysis and K5= Synthesis

Mapping of COs with PSOs and POs

Out comes	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Sum of COs with PSOs & POs
CO1	3	3	2	1	1	3	2	2	1	1	-	-	-	19
CO2	3	3	2	1	1	3	2	2	1	1	-	-	-	19
CO3	3	3	2	1	1	3	2	2	1	1	-	-	-	19
CO4	3	3	2	1	1	3	2	2	1	1	-	-	-	19
CO5	3	3	2	3	1	3	2	2	1	1	-	-	-	19
Grand total of COs with PSOs and POs														95
Mean value of COs with PSOs and POs = $\frac{Grand\ total\ of\ COs\ with\ PSOs\ and\ POs}{Number\ of\ COs\ relating\ with\ PSOs\ and\ POs}$ $\left(\frac{95}{50}\right)$														1.9

Strong – 3, Medium – 2 & Low – 1

Mapping Scale	1	2	3
Relation	0.1 to 1.0	1.01 to 2.0	2.01 to 3.0
Quality	Low	Medium	Strong
Mean Value of COs with POs and PSOs		1.9	
Observation	COs of Economics for NET / SET/ JRF in relation with PSOs and POs is Medium		

(Centre for Research)
ARUL ANANDAR COLLEGE (Autonomous)
Karumathur, Madurai District
External Question Pattern for M.A. Economics
(Students who are joining from 2020-21 under OBE Pattern)

Total Marks: 100   **Time**: 3 hrs
Section – A   **(10 X 1 = 10 marks)**
Answer All the questions
(Multiple Choice Question)

Unit	Question Numbers	REMEMBERINGLEVEL (Bloom's Taxonomy)
I	**1 & 2**	
II	**3 & 4**	
III	**5 & 6**	**KI & K2**
IV	**7 & 8**	
V	**9 & 10**	

Section – B   **(5 X 6 = 30marks)**
Answer all the questions not exceeding 2 pages

Unit	Question Numbers	REMEMBERINGLEVEL (Bloom's Taxonomy)
I	11. **(a) or (b)**	
II	12. (**a) or (b)**	
III	13. **(a) or (b)**	**K3 & K4**
IV	14. **(a) or (b)**	
V	15. **(a) or (b)**	

Section – C   **(5 X 12 = 60 marks)**
Answer all the questions not exceeding 4 pages

Unit	Question Numbers	REMEMBERINGLEVEL (Bloom's Taxonomy)
I	16. **(a) or (b)**	
II	17. **(a) or (b)**	
III	18. **(a) or (b)**	**K3, K4 & K5**
IV	19. **(a) or (b)**	
V	20. **(a) or (b)**	

External Question Pattern for Economics of NET/SET M.A. Economics
(Students who are joining from2020-21 under OBE Pattern)

Total Marks: 100   **Time**: 3 hrs
Section – A   (100 X 1 = 100 marks)
Answer all the questions
(Multiple Choice Question)

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	1 – 20	
II	21 – 40	
III	41 – 60	K1, K2 & K3
IV	61 – 80	
V	81- 100	

Internal Question Pattern for M.A. Economics
(Students who are joining from 2020-21 under OBE Pattern)

Total Marks: 40   **Time**: 2 hrs
Section – A   (4 X 1 = 4 marks)
Answer All the questions
(Multiple Choice Question)

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	1 &2	KI & K2
II	3 & 4	

Section – B   (2 X 6 = 12 marks)
Answer all the questions not exceeding 2 pages

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	5.(a) or (b)	K3 & K4
II	6. (a) or (b)	

Section – C   (2 X 12 = 24 marks)
Answer all the questions not exceeding 4 pages

Unit	Question Numbers	KNOWLEDGE LEVEL (Bloom's Taxonomy)
I	7. (a) or (b)	K3, K4 & K5
II	8. (a) or (b)	K3, K4 & K5

Syllabus 2023-24