

PG & RESEARCH DEPARTMENT OF ECONOMICS
POOMPUHAR COLLEGE (AUTONOMOUS)
 MELAIYUR - 609 107

COURSE STRUCTURE FOR PG COURSE

(Applicable to the candidates admitted from the academic year 2019 – 2020 onwards)

SEM	COURSE	TITLE	Ins Hrs- Week	Credit	Exam Hours	Marks		Total Mark s
						Inter nal	Exter nal	
I	CC – I	Advanced Micro Economic Analysis - I	6	5	3	25	75	100
	CC – II	Advanced Macro Economic Analysis - I	6	5	3	25	75	100
	CC – III	Public Finance	6	5	3	25	75	100
	CC – IV	Managerial Economics	6	5	3	25	75	100
	EL-C-I	Welfare Economics	6	4	3	25	75	100
		TOTAL	30	24				500
II	CC – V	Advanced Micro Economic Analysis - II	6	4	3	25	75	100
	CC – VI	Advanced Macro Economic Analysis - II	6	4	3	25	75	100
	CC – VII	Demography	6	4	3	25	75	100
	CC - VIII	Statistics for Economics	6	4	3	25	75	100
	EL –C- II	Industrial Economics	6	4	3	25	75	100
		TOTAL	30	20				500
III	CC -IX	Research Methodology - Chapter 6	6	4	3	25	75	100
	CC - X	International Economics	6	4	3	25	75	100
	CC - XI	Computer Application in Economics	6	4	3	25	75	100
	CC - XII	Fundamental Methods of Mathematical Economics	6	4	3	25	75	100
	EL -C- III	Economics of Sustainable Development	6	4	3	25	75	100
		TOTAL	30	20				500
IV	CC - XIII	Agricultural Economics	6	4	3	25	75	100
	CC - XIV	Development Economics	6	4	3	25	75	100
	CC - XV	Maritime Economics	6	4	3	25	75	100
	EL-C-IV	Environmental Economics	6	4	3	25	75	100
	Project	Project	6	10	---	---	---	100
		TOTAL	30	26				500
		GRAND TOTAL	120	90				2000

University Nominee

Subject Expert

Dr. R. KARTHIKEYAN, M.A., M.Phil., Ph.D., M.B.A.,
 Associate Professor & Head
 PG & Research Department of Economics,
 A.V.C. College, (Autonomous)
 Mayiladuthurai-609 305.

Chairman

K. RAJU, M.A., M.Phil., B.Ed.,
 Assistant Professor & Head,
 Department of Economics,
 Poompuhar College,
 Melaiyur - 609 107

2019-2020

Programme Outcomes – PG

At the end of a Post-Graduate programme students of Economics

PO1: Disciplinary Knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of a postgraduate programme of study.

PO–2 Personal and Professional Proficiency:

Develop the theoretical, interdisciplinary training necessary for the understanding the application of Economics, Economic policies, theories of various schools of Economics, sectoral studies covering important issues related to regional, national and International subjects and many others.

PO–3 Research Proficiency:

Demonstrate a thirst for advanced learning and research in their domain of interest so as to address economic and social related problems faced by the society and also to encourage the application of knowledge by concentrating on research work and by providing an opportunity to engage in research and giving solution for the society related problem and frame policy and planning for the social welfare.

PO-4 Entrepreneurial and Social Proficiency:

Exhibit competent skills to become successful entrepreneurs and leaders who will engage in policy making and apply economic theory to real world issues as well as critically evaluate market economy, public policies and to create huge level of employment opportunities, by creating new products and services, it will stimulate new employment which ultimately resulting in acceleration of economic development and consider the importance of economic growth.

PO-5 Social ethics and environmental responsibilities:

Emerge as responsible citizens who engage in activities that promote wellness in the community and environmental sustainability and apply moral and ethical standards on interpersonal and social levels to demonstrate integrity on economic, social, political, cultural and environmental issues.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: Demonstrate an understanding of complex economics mechanism that characterise modern society and to develop ability to present economic theory and applications in decision making in real life.

PSO2: Analyse and investigate economic theory and issues in the field of economics as well as contemporary socio-economic problems along with formulation and analyses of policy; and to understand how economy is influenced by economic policy and planning, technological advances and demographic conditions.

PSO3: – To adopt the digital advancement in the field to understand complex economic mechanism using statistical tools and packages and to embrace new opportunity in emerging technology and also to develop the ability to explain core economic terms, concepts, and theories including but not limited to the function of market and prices as allocative mechanisms; benefit/cost analysis; market failure and role of state; and other critical areas of economics.

PSO4: – Develop understanding of economic trade-offs and social values, impact public/private socio-economic policy for the achievement of intended outcomes which provide skills to become empowered and forecast outcomes of the policy as an entrepreneur employed in various positions.

PSO5: – Demonstrate the ability to employ the “economic way of thinking.” i.e. the ability to use critical thinking skills within the discipline of economics about economic matters, social and moral ethics and to

Construct systematic model for analysis and make use of knowledge on finance, health, environmental economics to formulate policies for sustainability on community and protective environment.

CORE COURSE – I – ADVANCED MICRO ECONOMIC ANALYSIS – I

(From 2019 – 2020 onwards – Semester – I)

SUBJECT DESCRIPTION: This supportive course is designed to introduce students to key contemporary issues in Micro Economics and equip them with the approaches in economics that are in general applied to analyse Economic Problems and Policies.

Goals: To enable the student to understand some of the central aspects of Micro Economic theory.

OBJECTIVES:

- To analyse various approaches related to Micro Economics
- To gain knowledge to understand Economic Theories and models related to Micro Economics.

CONTENT:

UNIT – I CONSUMER CHOICE - I

Cardinal and Ordinal Approaches to the theory of Demand – Revealed Preference Approach – Application of Indifference Curves to the theory of Exchange and Index Numbers.

UNIT – II CONSUMERS CHOICE – II

Hicks's Revision of Demand Theory – Neumann – Morgenstern Theory of Decision making under uncertainty – Veblen Effect and Bandwagon Effect.

UNIT – III COST AND PRODUCTION:

Theory of Production – Concepts of Costs of Production – Production Function – Properties of Linear Homogeneous Function – Cobb-Douglas and CES Production Function – ISO-Quant's Return to Scale.

UNIT – IV MARKET STRUCTURE - I

Market Structure: Price-output determination under perfect competition – Monopoly, Monopolistic Competition – Bilateral Monopoly.

UNIT – V MARKET STRUCTURE – II

Price-output determination under Duopoly and Oligopoly – Objectives of a firm – Sales Maximisation and Profit Maximisation – Welfare, Growth, Utility, satisfaction Principles

References:

- | | | |
|----|-----------------|---|
| A. | Edwin Mansfield | Micro Economics – Latest Edition |
| B. | Koutsoyiannis | Modern Micro Economic |
| C. | H.L. Ahuja | Advanced Economic Theory |
| D. | M.L. Jhinghan | Modern Micro Economics – Latest Edition |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE –II—ADVANCED MACRO ECONOMIC ANALYSIS – I

(from 2019-2020 onwards – Semester - I)

SUBJECT DESCRIPTION:

This course is designed to introduce students to key contemporary issues in Macro Economics and equip them with the approaches in economics that are in general applied to analyse Economic Problems and Policies.

Goals: To enable the student to understand some of the central aspects of Macro Economic Theory.

OBJECTIVES:

- To analyse various approaches related to Macro Economics
- To gain knowledge to understand Economic Theories and Models related to Macro Economics.

CONTENT:

UNIT-I - Keynesian Macro Economics:

Basic concepts: Stock and Flow – Static, Dynamic and Comparative Static – Classical Theory of Employment – Criticisms – Keynes theory of Underemployment Equilibrium.

UNIT – II - Consumption Function:

Keynesian Consumption function – concepts – Determinants of Consumption function: objectives and subjective factors – Measures to raise Consumption.

UNIT – III - Investment Function:

Meaning and types of Investment – Determinants of Investment – Marginal Efficiency of investment – Multiplier – Balanced Budget Multiplier – Principles of Acceleration.

UNIT – IV - Business Cycle:

Meaning and phases of Business Cycle – Theories of Business Cycle – Samuelson's Model – Hicks's Model – Kaldor's Model – Policy measures to control Business cycle.

UNIT – V – General Equilibrium Analysis:

Equilibrium of the produce Market – IS – Curve – Equilibrium of the Money Market – LM – Curve. Three Ranges: Classical, Intermediary and Keynesian Range – General Equilibrium – Uses and limitations of the IS-LM Model.

References:

- | | | |
|----|----------------|--|
| A. | M.L. Jhinghan, | Macro Economic Theory, Latest Edition |
| B. | H.L. Ahuja, | Macro Economics: Theory and policy, Latest Edition |
| C. | P.N. Chopra | Macro Economics. Latest Edition |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE - III - PUBLIC FINANCE

(From 2019-2020 onwards - Semester –I)

Subject Description:

This subject is primarily aimed at introducing principles of Public Finance, role of different Governments, Public Expenditure, taxation, budget, and Fiscal policy with reference to India.

Goals:

To give exposure to the student, the role and the function of the government in a Modern Economy.

Objectives:

- To gain sound knowledge on the principles of Public Finance
- To understand roles of different governments
- To provide a strong knowledge based on Indian Public Finance

Contents:

UNIT – I

INTRODUCTION:

Theory of Public Finance-Allocation, Distribution, Stabilisation, Coordination-Conflict of functions-Theory of Social Goods-Market Failure-Public Goods, Mixed Goods-Theory of Public Choice- Concept of Externalities.

UNIT – II

PUBLIC EXPENDITURE:

Public Expenditure: Structures, Growth and controlling measures – Theories of Public Expenditure – Wagner's Law and Wiseman – Peacock Hypothesis – Appraisal.

UNIT – III

PUBLIC REVENUE:

Public Revenue: Structures-Principles of Taxation-New Theory of Incidence- Effects on Efficiency, Capacity and output – Public Debt: Concept-Sources-Trends-Methods of redemptions

UNIT – IV

FISCAL POLICY:

Fiscal Policy: Definition-Objectives and tools - Balancing, Compensatory and Dynamic Goals – Fiscal Policy in India- Functional Finance-Deficit Financing for Development.

UNIT – V

FISCAL FEDERALISM:

Centre-State Financial relations – Principles - Balancing Factors-Finance Commission: 14th and 15th Commissions - Problems-Evaluation-Local Finance

References:

- | | |
|------------------------------|---|
| A. Musgrave and B. Musgrave, | Public Finance: Theory and Policy, Latest Edition |
| B. B.P. Tyagi | Public Finance – Latest Edition |
| C. Herber | Modern Public Finance. |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE –IV—MANAGERIAL ECONOMICS

(from 2019-2020 onwards – Semester - I)

Subject Description:

This Subject aims at providing knowledge on basic Economic Principles, as well as applied skills to enable the students to acquire Managerial Decision Making and skills.

Goals:

This paper intends to give the students a good understanding of the Economic Theory and applying it in Business decisions.

Objectives:

- To gain knowledge in basic Economic Theories, Concepts and Models
- To gain sound knowledge to apply Economic Theories and Models to execute Managerial Functions.

Contents:

UNIT – I

FUNDAMENTALS:

Definition-Nature and Scope of Managerial Economics-Significance of Demand Analysis in Managerial Economics-Demand Forecasting-Forecasting Demand for new products.

UNIT – II

PRICING STRATEGIES:

Pricing Techniques and practices-Marginal and Average Cost Pricing-Cost Pricing-Target pricing-Going Rate pricing—Loss Leader Pricing-Peak Loading Pricing-Price Discrimination.

UNIT – III

PROFIT ANALYSIS:

Profit: Measurement of Profit- Profit Planning-Break-Even Analysis-Profit Forecasting-

UNIT – IV

CAPITAL BUDGETING:

Capital Budgeting- Cost of Capital-Different Methods of Appraising Project Profitability

UNIT – V

INVESTMENT APPRAISAL:

The Investment selection process-Estimating cash flows-Evaluating Investment: (a) Payback Method (b) Net Present Value Method – The Cost of Capital: (a) Dividend valuation Model (b) Capital-Asset Pricing Model.

References:

A. Varshney and Maheshwari

Managerial Economics, Latest Edition

B. P.L. Mehtha,

Managerial Economics, Latest Edition

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

ELECTIVE COURSE –I—WELFARE ECONOMICS

(from 2019-2020 onwards – Semester – I)

Subject Description:

This Subject aims at providing knowledge on basic Economic Principles, as well as applied skills to enable the students to acquire Welfare of the society.

Goals:

This paper intends to give the students a good understanding of the Welfare Economics and its principles, Theories etc.,

Objectives:

- To gain knowledge in basic Theories of Welfare, and concepts .
- To gain sound knowledge to apply Economic Theories for the social well being.

Contents:

UNIT-I - Basic Concepts:

Positive and Normative Economics, Welfare Economics as a Normative Study – Preference ordering – Utility function: Properties of a Utility Function – Interpersonal Comparisons of Utility: Degrees of Interpersonal comparability.

UNIT – II Measurement of Welfare:

Ordinal Measure, merits and demerits of Ordinal Measures – Cardinal Measure: Interval scale and Ratio scale Merits and demerits of Cardinal Measures – Hick's four Measures of Consumers' Surplus.

UNIT – III Definition of Welfare:

The Preference definition of well-being – Utilitarian definition – Rawlsian Welfare Theory – Sen's Capability Approach.

UNIT – IV - Pareto Criterion and Compensation Test:

The Pareto Principle and assumptions underlying Pareto Optimality – Conditions for Pareto Optimality: Efficiency in Exchange, Efficiency in Production and Efficiency in Product Mix, Edgeworth Box Diagrams -

UNIT – V – Social choice:

Berguson-Samuelson social welfare function – Types of Social Welfare Functions: Utilitarian, Egalitarian and Rawlsian SWFs – Arrow's Impossibility, Resolving Arrow's Paradox: Single Peaked Preferences.

References:

- A. Ng, Yew-Kwang (1983), Welfare Economics: Introduction and Development of Basic Concepts, London: Macmillan
- B. Sen Amartya, (2004) Inequality Re-examined, Oxford University Press, New Delhi, Chapters 3,4, and 8.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – V – ADVANCED MICRO ECONOMIC ANALYSIS – II

(From 2019 – 2020 onwards – Semester –I I)

Subject Description:

This Course aims to gain strong fundamentals of Micro Economics, theories, policies, and models in a historical prospective. And also to know the concepts and measurements of Economic welfare and various expert ideas.

Goals:

The paper examines the basic principles underlying the functioning of an economy and analysis general market conditions.

Objectives:

- To analyse the theory of distribution
- To analyse general equilibrium analysis in Micro Economics.
- To understand the reasons for Market failures.

Contents:

UNIT-I - Distribution Theories:

Functional Vs Personal distribution – Marginal Productivity Theory of Distribution – Clark, Marshall and Hicks versions of Marginal Productivity Theory – Product Exhaustion Theorem.

UNIT – II Alternative Theories of Factor Shares:

Theories of Rent: Ricardo- Modern theory-Theories of Wages: Classical Theory – Modern Theory- Theories of Interest: Classical – Keynesian-Modern Theories of Profit.

UNIT – III General Equilibrium Analysis:

General Equilibrium Analysis-Partial Equilibrium – Walrasian General Equilibrium Model 2x2x2 graphical General Equilibrium Model – Edge worth Box Diagram

UNIT – IV Welfare Economics:

Concept and Measurement of Economic welfare- Pigouvian Welfare Economics- Pareto's Welfare Economics-Pareto's Optimality condition under Perfect Competition – Compensation Criteria – Social welfare Functions

UNIT – V – Economics of Information:

Informational asymmetry-Market of lemons-Adverse Selection-Insurance Market and Adverse Selection-Solution to principal Agent Problems-Hidden action (Moral Hazard) – Signalling and Screening

References:

- | | |
|--------------------|---|
| A. Edwin Mansfield | Micro Economics – Latest Edition |
| B. Koutsoyiannis | Modern Micro Economic |
| C. H.L. Ahuja | Advanced Economic Theory |
| D. M.L. Jhinghan | Modern Micro Economics – Latest Edition |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – VI – ADVANCED MACRO ECONOMIC ANALYSIS – II

(From 2019 – 2020 onwards – Semester –I I)

Subject Description:

This Course aims to gain strong fundamentals of Macro Economics, theories, policies, and models in a historical prospective.

Goals:

The paper examines the basic principles underlying the functioning of an economy and deals with the determination of major Macro Economic aggregates.

Objectives:

- To introduce the sectoral flow of national income, its accounting and factors influencing income at current and constant prices.
- To understand the role of expectation uncertainty and the relationship between inflation and employment.

Contents:

UNIT-I - Money Supply:

Supply of Money-Central Bank and High Powered Money-Commercial Banks and Credit Creation-Determinants of Money Supply- Money Multiplier

UNIT – II Demand for Money:

Demand for Money-Theory of Money Demand before Keynes-Keynes's Theory of demand for Money-Post-Keynesian Theories: Tobin-Baumal, Milton Friedman –Real Balance Effect.

UNIT – III Financial Intermediaries:

Financial Intermediation by non-banking Financial Institution-Radcliff Committee-Tobin, Gurley and Shaw on the role and regulation of non-banking Financial Institution in India-Control by RBI – Non-banking financial Institutions Vs Commercial Banks.

UNIT – IV Inflation and Deflation:

Inflation: Demand Pull and Cost Push Theories- Inflation and unemployment-Philips Curve-Shorty run and long run- Deflation and Stagflation.

UNIT – V – Macro Economic Policy:

Objectives and techniques of Macro Economic Policy-Policy Implementation- Tools and problems of Monetary Policy- Monetarism Vs Keynesianism-Supply side Economics

References:

- | | |
|--------------------|-------------------------|
| A. M.L. Jhinghan, | Macro Economics, Latest |
| B. H.L. Ahuja, | Macro Economics, Latest |
| C. P.N. Chopra | Macro Economics, Latest |
| D. Edward Shapiro | Macro Economics, Latest |
| E. L.G. Reynpolds, | Macro Economics, Latest |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – VII – DEMOGRAPHY

(From 2019 – 2020 onwards – Semester –I I)

Subject Description:

This course explores the fundamental theories of Malthus's and crude of birth and death rate, techniques of population projections, educational levels and problems of population.

Goals:

This course is intended to introduce the students on the basic concepts of Demography, population growth and birth rate and death rate. With this in background, the course will provide broad outline on the nature and characteristic features of the demography.

Objectives:

- To study about the demography and theories.
- To analyse population growth.
- To analyse the Human Migration.

Contents:

UNIT-I - INTRODUCTION AND THEORIES:

Nature and scope of Demography – Its relation with other disciplines – Theories of Population: Malthus's Optimum Theory of Population and the Theory of Demography Transition.

UNIT – II POPULATION PLANNING:

Factors affecting mortality – Nuptiality – Concept and analysis of Marital Status- single mean age at marriage – Trends in age at marriage – Concept, Measurement and factors affecting fertility in developed and developing nations.

UNIT – III POPULATION DATA:

Life Table: Meaning of its columns and uses – Techniques of population - concept of stationary stables and quasi – Stationary population – Sources of demography Data in India.

UNIT – IV EDUCATION AND HEALTH:

Education, Health and Population – Human Capital – Cost of Education – Investment in Education – Rate of Return – Achievements and problems of Elementary Education in India – factors affecting Health- Preventive and curative Health services.

UNIT – V – STRUCTURE AND POLICY:

Population structure and characteristics with special reference to India – Salient features of Population census of 2001 and 2011 – Problems of migration and Urbanisation – Evolution of Population Policy in India – Shift in Policy focus from Population Control to family welfare to Women Empowerment.

References:

- | | |
|---------------------------------|--|
| A. A.A. Bhends and T. Kanitkar, | Principles of Population Studies. Latest |
| B. Pathak and Ram, | Techniques of demographic Analysis, Latest |
| C. K. Srinivasan, | Basic Demographic techniques and Application |
| D. M.L. Jhinghan | Demography |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – VIII – STATISTICS FOR ECONOMICS

(From 2019 – 2020 onwards – Semester –I I)

Subject Description:

This course is designed to introduce the basic principles and methods of quantitative and qualitative research for conducting the empirical research and Statistical Methods.

Goals:

This course will emphasis on research process includes problem identification, Conceptualisation of research questions, Sampling, Design, Measurement, Data Collection, Analysis and Dissemination of findings with Economic Statistical Methods.

Objectives:

- To study about Statistical Methods.
- To apply Statistical Methods in Economic Research.
- To utilise the Statistical Tools in Economic Analysis.

Contents:

UNIT-I - INTRODUCTION:

Nature of Scope of Statistical Methods in Economics – Measures of Central Tendency: Mean, Median, and Mode – Measures of Dispersion, Deviation and Coefficient of Variation – Skewness - Karl Pearson's and Bowley's Co-efficient

UNIT – II PROBABILITY ANALYSIS:

Introduction to Probability Addition and Multiplication Rules – Random Variables and Probability Distribution – Properties of Binomial Poisson and Normal Sampling – Simple Random – Stratified random and Cluster Sampling (Theory Only) – Definition of Chi-Square, T and F statistics – Their uses.

UNIT – III ESTIMATION:

Point Estimation, Interval Estimation (Concept only) – Properties of Point Estimation – Test of Significance – Test for Mean, Difference between Two Sample Variance.

UNIT – IV CORRELATION:

Correlation – Karl Pearson's Co-efficient of Correlation – Rank Correlation – Fitting regression line by the method of least squares (Concepts Only), Partial and Multiple Regression.

UNIT – V – ASSOCIATION OF ATTRIBUTES:

Association of Attributes – Difference between Correlation and Association – Association and Disassociation – Method of finding Association: Expected Frequencies Method, Proportion Method – Yule's Coefficient of Association - Contingency tables (2x2 and 3x2 tables only) – Co-efficient of Contingency using Chi-squares.

References:

Gupta, S.P. Statistical Methods
Nagar and Das, A.L. Basic Statistics.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

ELECTIVE COURSE –II—INDUSTRIAL ECONOMICS

(from 2019-2020 onwards – Semester -I I)

Subject Description:

This paper deals with the basic concepts of Industrial Productivity, various Productivity Measurements, and Theory of Production.

Goals:

This course aims at providing an in-depth knowledge on the need, significance, Measurement and use of various Industrial Productivity Concepts.

Objectives:

- To introduce various concepts of Industrial Productivity.
- To enable the students to measure productivity numerically using mathematical and Econometric Techniques.

Contents:

UNIT-I INDUSTRIALISATION:

Introduction: Industrialisation, concept, problems, Government policy _ Industry and Economic Development – Industry and Sectoral linkages – Industrial Classification – Factors affecting Industrialisation and promoting Industrialisation.

UNIT – II INDUSTRIAL LOCATION:

Location and Dispersion – Theories of location: Alfred Weber – Florence Theories – Diversification – Integration and merger of Industrial units and problems of Regional Imbalances.

UNIT – III INDUSTRIAL DEVELOPMENT AND POLICY:

Industrial Development in India – Industrial Structure at the time of Independence – Industrial Policy – New Industrial Policy and Economic Reforms.

UNIT – IV - INDUSTRIAL LABOUR:

Industrial Labour: Structure of Industrial Labour – Industrial Legislation – Social Security Measures – Wages and problems of Bonus – Industrial Disputes – Industrial Relations.

UNIT – V – INDIAN INDUSTRIES:

Indian Industries: Introduction, Types of Industries – Industry and Globalisation – Financial Support: Financial Institutions – Indian Industries and Economic Development – Role of Industries – MNCs and their role.

References:

- | | |
|---------------------------|---|
| A. Bharathval | Industrial Economics: An Introductory Text. |
| B. Desai | Industrial Economy of India |
| C. Kuchal, S.C. | The Industrial Economy of India |
| D. Sivayya and V.B.M Dass | The Industrial Economy. |

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – IX – RESEARCH METHODOLOGY

(From 2019 – 2020 onwards – Semester –I I I)

Subject Description:

This course is designed to induce the basic principles and methods of quantitative and qualitative Research for conducting the empirical research and writing research report.

Goals:

This course will emphasis on research process includes problem identification, conceptualisation of research questions, sampling design, measurement, data collection and analysis and dissemination of findings.

Objectives:

Upon completion of this course, students should have developed an understanding of the research process, its applications in the economic research and its utilisations in the problem solving in economic research.

Contents:

UNIT-I RESEARCH METHODS IN ECONOMICS:

Nature of Social Science Research – Research Methods in Social Science –
Formulating the problem – Types and Sources of Hypothesis – Characteristics of a Good Hypothesis – Components and types of Research Design – Collection of Data – Sources and Methods – Presentation of results – Format of a Report.

UNIT – II SAMPLING AND DATA COLLECTION:

Sampling: Need, Types, Probability Sampling, Random, Systematic, Stratified, Multistage of Cluster Sampling, Non Probability Sampling, Purposive Judgement, Quota and Snowball Sampling – Data Collection: Primary and Secondary Data – NSS and Censes Data - Methods of Data Collection – Tools of Data Collection – Schedule and Questionnaire.

UNIT – III DATA PROCESSING AND PRESENTATION:

Processing and Analysis of Data: Editing, Coding and Tabulation – Use of Computers in Social Science research – diagrammatic and Graphic Representation of Data – Interpretation of results and Report writing – Preparation of Project Proposals.

UNIT – IV - STATISTICAL INFERENCES:

Census Versus Sampling – Random and Non-Random Sampling techniques – Estimation: Point and Interval Estimation – Statistics and Parameter – Standard Error – Confidence Interval – Null and alternative Hypothesis – Type I Error and Type II Error, Level of Significance – Steps in Testing Hypothesis.

UNIT – V – LARGE AND SMALL SAMPLE TESTS:

Properties ad uses of Normal Distribution – Standard Normal 'Z' Statistic – Z-Test of significance of Proportions, Means and Correlation – 'T' Test for sample, Mean and Equality of Mean – Paired 't' Test – Chi-Square Test for Association of Attributes.

References:

1. C.R. Kothari (2002), Research Methodology, Vikas Publishing House, New Delhi
2. Goode W. J and Hatt (1952), Methods in Social Research, Mcgraw Hill Book Co, Tokyo.
3. Kenneth. D and Bailey (1962), Methods of Social research Longman's Green Co, New York.
4. Enhance. D.N. (1973), Fundamentals of Statistics, KitabMahal, Allahabad.
5. Gupta. CB (1998) An Introduction to Statistical Methods, Vikas Publishing House, New Delhi.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – X – INTERNATIONAL ECONOMICS

(From 2019 – 2020 onwards – Semester –I I I)

Subject Description

This paper is containing theories of international Trade, and determination of exchange rate.

Goals:

This course will emphasis on Balance of Payment, Theories of Exchange and International Monetary and Trade Organisation.

Objectives:

1. To know about International Economics
2. To aware of Balance of Payment and adjustment Mechanism
3. How to control the Exchanges etc.,

Contents:

UNIT-I PURE THEORIES OF INTERNATIONAL TRADE:

Comparative Cost Theory – Refinements of Comparative cost Theory – Modern Theory of factor endowments – Leontief Paradox – Factor Price Equalisation Theorem – factors Intensity reversal: The Stolper-Samuelson theorem and Rybezynski theorem.

UNIT – II RECENT THEORIES OF INTERNATIONAL TRADE:

Karvi's Theory of availability – Lindar's Theory of Volume of trade and demand pattern – Posner's Technological Gap Theory – Vernon's Product Cycle Theory – Kenen's Human Capital theory – Intra-industry trade – Theory of Imperfect competition – Strategic Theory – External Economies and International Trade.

UNIT – III BALANCE OF PAYMENTS POLICIES:

BoP Disequilibrium – Adjustment Mechanism: Elasticity Approach, absorption Approach and Monetary Approach – Monetary and Fiscal Policies for internal and external Balance: The Swan Model and Mundallian Model – Expenditure Switching Policies and Expenditure Reducing Policies – Foreign trade Multiplier.

UNIT – IV – FOREIGN AID AND MNCs:

Foreign Aid – Types of Foreign Aid – advantages and Disadvantages – Factors determining Foreign Aid – Foreign Investment – Foreign Direct Investment – Types of FDI – FDI Policy of India – Multinational Corporations – features of Multinational Corporations – Advantages of Limitations of MNCs – MNCs and International trade.

UNIT – V – MANAGING FOREIGN EXCHANGE RISK:

Foreign Exchange Risk – Sources of foreign Exchange Risk – Types of Exchange Rate risk – transaction Risk – Translation Risk, Economic Risk, Measurement of Exchange Rate Risk- Value-at-risk (VaR) Model – Methods of Managing Foreign Exchange Risk – Internal and External techniques – Forward Contracts, Money Market hedges, Currency features, Currency Options, Currency Swaps.

References:

1. Francis Chgerunillam (2004), International Economics, tata McGraw Hill, New Delhi.
2. Paul Krugman and Maurice (2013), International Economics: Theory and Policy, Obstfeld, New Delhi.
3. J.N. Bhagwati (2003) Free Trade Today, Oxford University Press, New Delhi.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – XI – COMPUTER APPLICATION IN ECONOMICS

(From 2019 – 2020 onwards – Semester –I I I)

Subject Description:

This Subject is aimed at providing knowledge on basic computer Application in Economics as well as operating system, word processing and internet.

Goals:

The course intends to equip students to develop working knowledge of basic Computer operations and tools. The course aims at using such skills to apply to economic theory, various computer applications and managerial applications.

Objectives:

- To analyse the computer application
- To understand computer programmes in economic oriented application.

Contents:

UNIT- I INTRODUCTION

Introduction to Computer, History, Generations and Classification of Computer , Advantages, Uses of Computers – Hardware and Software – CPU and its functions – Functions and uses of Input and Output Devices.

UNIT – II OPERATING SYSTEMS:

Meaning, Functions and uses of Operating Systems – Types of Operating Systems – Fundamentals of MS-WORD – Creating a new Folder – Copying files and moving folder – Renaming Fields and Folders – Deleting files folders and searching files and folders.

UNIT – III WORD PROCESSING:

Introduction to MS-WORD – Menus in MS-WORD: File Menu – Edit Menu – View Menu – Format Menu – Auto correct inserting- special characters – spelling and Grammar checking – Mail merging of documents.

UNIT – IV – POWER POINT:

Power Point Preparations – Add Click – View – Inserting Images - Slideshow

UNIT – V – PRACTICAL:

Practical – Ms-Word – Power Point – Documentation typing – Edit – Print – Table Preparation – Data Preparation – Create Columns and Rows – Multiple Tables – Cut – Copy – Paste.

References:

1. Sheshasaayee, A and Sheshasaayee Computer Application in Business Management
2. Wray Computer Course, BPB Publications
3. Richard Internet Right From Start, BPB Publications

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – XII – FUNDAMENTAL METHODS OF MATHEMATICAL ECONOMICS

(From 2019 – 2020 onwards – Semester –I I I)

Subject Description:

This Course deals with the basic knowledge relating the set theory, relation and functions, Derivations and their interpretation, Introduction to Linear Algebra, Linear Programming and their Applications in Economics.

Goals:

The Course intends to equip students to develop working knowledge of basic Mathematical Operations and tools. The course aims at using such skills to apply to Economic Theory and Managerial Decisions.

Objectives:

- Impart various Mathematical and Statistical Methods
- Apply quantitative Techniques in Managerial practices.

Contents:

UNIT- I ECONOMIC MODELS:

Mathematical Economics Vs Literary Economics – Relations and Functions of Two or more variables in Economics. Economic Models – Model Construction – Economic and Econometric Model – Types of Models: Classical Model – National Income Model.

UNIT – II GRAPHIC REPRESENTATION:

Graphic Representation – Introduction – Types of Constant – Types of Variables – Types of Functions.

UNIT – III THEORY OF DEMAND:

Utility Function – Marginal Utility – Consumer's Equilibrium – Marginal Rate of Substitution – Normal Properties of Indifference Curves – Slutsky Equation – Separation of Price Effect into Income and Substitution Effect.

UNIT – IV – THEORY OF PRODUCTION:

Production Function – Marginal product – Isoquant – Marginal Rate of Technical Substitution – Elasticity of Substitution – Properties of Homogeneous Production Function, Application of Euler's Theorem to the Marginal Productivity Theory of Distribution – Cobb Douglas Production Function – Properties, uses and Limitation – Linear Programming – Graphic Method and Applications.

UNIT – V – THEORY OF FIRM:

Cost Function – Marginal, Average and Total Cost – Normal Cost Conditions – Revenue Functions: - Marginal, Average and Total Revenue – Profit Maximisation under Perfect Competition and Monopoly.

References:

1. Chiang, C (1994), Fundamental Methods of Mathematical Economics (New Delhi: McGraw Hill).
2. Dowling Edward T (1989), Mathematical Methods (Schaum Series, New York).
3. Geoff renshaw (2009), Maths for Economics (Oxford University Press, London)
4. Metha, B.C. & Madnani G.M.K. (2004), Mathematics for Economists (Sultan Chand & Sons, New Delhi).

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

ELECTIVE COURSE –III—ECONOMICS OF SUSTAINABLE DEVELOPMENT

(from 2019-2020 onwards – Semester -III)

Subject Description:

This paper deals with the basic concepts of Sustainable Development and Implications

Goals:

This course aims at providing an in-depth knowledge on the need for Sustainable Development

Objectives:

- To introduce various concepts of Sustainability
- To enable the students to know the various types of sustainability, Sectoral Policies Sustainable Development Rules and Indicators of Sustainability etc.,

Contents:

UNIT- I RATIONALE FOR INTEGRATING “SUSTAINABILITY” AND “DEVELOPMENT”

Distinction between “Sustainability” and “Development” – Inadequacy of growth as Indicator of welfare – Environmental basis of Economic Growth – Economic Development and Environmental quality: Negative Environmental and Economic Patterns of past Development Strategies.

UNIT – II CONCEPTUALISING SUSTAINABLE DEVELOPMENT:

Basic concepts – Capital Stock and Sustainability – Types of Capital – Substitutability between types of Capital – Weak Sustainability – Strong Sustainability – A holistic definition of Sustainable Development: Sustainable Development as comprising – Economic Sustainability – Environmental Sustainability – Social Sustainability.

UNIT – III SUSTAINABLE DEVELOPMENT RULES:

Sustainability of Free Market Outcomes – Placing correct Prices on the Environment – Hartwick-Solow Rule – The “Safe Minimum Standard Rule” – London School Approach

UNIT – IV - SUSTAINABILITY INDICATORS AND MEASUREMENT:

Global, National and Local indicators of Sustainability – Human Well being Index – Ecosystem Wellbeing Index – Stress Index – AMOEBA Approach – Green National Accounts – Genuine Savings Index – Shadow Project Approach.

UNIT – V – SECTORAL POLICIES FOR SUSTAINABLE DEVELOPMENT:

Institutions for Sustainable Development: - Institutions coordinating Human Behaviour – Market – Government – Civil Society – Sustainable Development in the Agricultural Sector – Intensifying use of Land, water – Sustainable Urban Development – Urban Environmental Problems – Institutions for Sustainable Urban Development.

References:

1. Beyond Economic Growth: An Introduction to Sustainable Development, Tatyana P Soubbotina, World Bank, 2004 (2nd Edn)
2. Eco-Efficiency: The Business link to Sustainable Development, Livio D Desimone, MIT Press, 2000.
3. Growing Greener Cities: Urban Society in the 21st Century, Eugenie L Birch, University of Pennsylvania Press, 2008.
4. Implementing Sustainable Development: Strategies and Initiatives, William M Zafferty, Oxford University Press, 2000.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) Either or type pattern's set question from each of Five Units

Section – C (3x10=30) Three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – XIII – AGRICULTURAL ECONOMICS

(From 2019 – 2020 onwards – Semester –IV)

Subject Description:

This Course will enable the students to acquire advanced knowledge as to how Agricultural Practices facilitate the Economic Growth and development in developing nations.

Goals:

This paper explains the economic Principles applied in Management of Farm. It also helps them understand the Indian Economic background under which farm operates.

Objectives:

- To Familiarise typical farm Management Decisions.
- To provide strong knowledge base on Indian Farm Management System.
- To develop a critical study on Principles of Farm Management Marketing and Agricultural Trade.

Contents:

UNIT- I INTRODUCTION:

Nature and Scope of Agricultural Economics – Relation between Agricultural and Industry – Role of Agriculture in Economic Development – Return to Scale and Farm Size – Principles of Choice and Resources Allocation – Cost Concept and Cost Minimisation – Specialisation – Farm Management Technique.

UNIT – II AGRICULTURAL FINANCE:

Agricultural Finance and Agencies – Capital formation in Agriculture – causes of Rural Indebtedness – Debt relief and Regulations of Money Lending Acts – Role of Rural Credit Institutions - Cooperative and Commercial Banks – Refinance Institutions.

UNIT – III LAND REFORM:

Land Reforms – Nature and Significance of Land Reforms – Progress of Land Reforms in India – Suggestion for Improvement – Agriculture Planning and Agriculture Taxation in India.

UNIT –IV – AGRICULTURAL MARKETING:

Imperfect Competition and Agricultural Marketing – Marketable Surplus – Agricultural Price Policy – Procurement and Public Distribution System – Subsidies Component — Food Security.

UNIT –V – AGRICULTURAL LABOUR:

Agricultural Labour – Causes and Growth of Agricultural Labour under poor Economic Conditions – Problems of Unemployment and under Employment – Government Measures for Assistance.

References:

1. C.B. Memoria Agricultural Problems of India
2. Sadhu and Singh Fundamentals of Agricultural Economics
3. Vasant Desai B.P. (1996), Agricultural Economics, Rural Development, (Jai Prakash North, Meerut)
4. RuddarDatt and K>P>M> Sundharam (2001), Indian Economy. (S. Chand and Ltd Ram Nagar, New Delhi).

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

University Nominee

Subject Expert

Chairman

CORE COURSE – XIV – DEVELOPMENT ECONOMICS

Subject Description:

This Course will enable the students to acquire advanced knowledge various theories of Development, and policies for development.

Goals:

This paper aims at knowing the theories of Development, poverty, inequality, human capital, Rural Development etc.,

Objectives:

- To Familiarise the theories of Development
- To provide strong knowledge base on India's agriculture and Rural Development.
- To develop a critical study on Developmental Factors.

Contents:

UNIT- I INTRODUCTION:

Conceptualising Development: (a) GNP as development Indicator (b) Sen's Capabilities approach to development: The Human Development Index – Structural characteristics of developing Economies – Factors of Development: Capital Accumulation, Labour, Natural Resources, Technological Progress and Entrepreneurial Ability.

UNIT – II THEORIES OF DEVELOPMENT:

Development as Growth: (a) Harrod Domar Model (b) Balanced and unbalanced Growth (c) Neo Classical Growth Theory – Solow Model – Contemporary Theory of Development: (a) New Growth Theory: Romer Model (b) Underdevelopment as Co-ordination Failure.

UNIT – III POVERTY, INEQUALITY AND HUMAN CAPITAL:

Measurement of Inequality – Causes of Inequality – Investing in Education and Health – Human Capital Approach – Social and Private Benefits of Education – Women's Education and Development – Health system and Development: (a) Health and Productivity (b) Gender perspective in health care (c) Financing health System.

UNIT –IV – AGRICULTURE AND RURAL DEVELOPMENT:

The role of Agriculture in development – Agricultural Policy: (a) Agricultural taxation (b) Pricing Policy – Rural Urban Migration – Rural credit Markets (a) Providers and characteristics (b) Lender's Monopoly and default collateral.

UNIT –V – POLICIES FOR DEVELOPMENT:

Market and State in Development: (a) The role of State in Development (b) Market Failure – state failure and development – Trade Policy for Development: (a) Direct Vs Indirect Taxes (b) level of Taxation and pattern (c) The role of Central Banks – (d) Financial Liberalisation.

References:

1. Michael P Todaro and Stephen C. Smith (2004), Economic Development, Pearson Education, Singapore Cha. 2,6,7,8.
2. Yujiro Hayami (2003) , Development Economics: Oxford University Press, New Delhi.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

CORE COURSE – XV – MARITIME ECONOMICS

(From 2019 – 2020 onwards – Semester –IV)

Subject Description:

This Course will enable the students to acquire advanced knowledge about the Maritime Economics

Goals:

This paper explains the Shipping and its market, companies etc.,

Objectives:

- To Familiarise Shipping Market Economics.
- To provide strong knowledge on the Financing ships and Shipping Companies.
- To know about the Seaborne Trade, Transport System and Maritime Forecasting.

Contents:

UNIT- I INTRODUCTION IN SHIPPING:

Sea Transport and Global Economy – Origin of Sea Trade – Sea Transport System – the Cost of Sea transport – the role of Ports in the Transport System – the role of Government in Shipping.

UNIT – II SHIPPING MARKET ECONOMICS:

Shipping Market Cycles – Characteristics of Shipping Market Cycles – The prediction of Shipping Cycles: Supply, Demand and Freight Rates – Key influences on supply and demand – The freight rate Mechanism – The Cost of running Ships – the Capital Cost of the Ship.

UNIT – III FINANCING SHIPS AND SHIPPING COMPANIES:

Ship Finance and Shipping Economics – The world Financial System and types of Finance – Analysing Risk in Ship Finance – The performance of Shipping Investments – The Shipping Company Investment Model – Pricing Shipping Risk.

UNIT – IV SEABORNE TRADE AND TRANSPORT SYSTEM:

The Geography of Maritime Trade – The Value added by Seaborne Transport – the Maritime Trading Network – The building blocks of Sea Trade – Trade due to differences in Natural resources – Theory of Absolute Advantage and Comparative Advantage.

UNIT –V – THE MERCHANT FLEET AND MARITIME FORECASTING:

Types of Ships – The role of the Merchant Ship building and scrapping Industries – Ship building Costs and Competitiveness – the Ship recycling Industry – Maritime Forecasting and Market Research – Approaches to Maritime Forecasting – Key elements of the Forecast – market Forecast Methodologies.

References:

1. Karakitsos, E., Varnavides, L (2014), Maritime Economics: A Macroeconomic Approach, Palgrave Macmillan UK.
2. Wilson, John (2010), Carriage of goods by sea, Longman, 7th Edition.
3. Allan E Branch (2017), Elements of Shipping, Routledge, 8th Edition

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

University Nominee

Subject Expert

Chairman

ELECTIVE COURSE – IV – ENVIRONMENTAL ECONOMICS

(From 2019 – 2020 onwards – Semester –IV)

Subject Description:

This Course explores the fundamental theories of Environmental Economics, the Environmental Problems and Policy Measures.

Goals:

This course is intended to introduce the basic environmental economics covering theory and concepts, environmental problems, issues in environment protection, assessment of environmental damages, policy issues, Government regulations and environmental protection in India.

Objectives:

Students who complete this course will be able to apply Economic Theories into the Environmental Problems to solve the social issues.

Contents:

UNIT- I INTRODUCTION :

Concept of Environment, Ecology and Eco-system – Difference between natural Resources and environmental Economics – Principles of fundamental Balance – Trade-off between Economic Growth and Environmental Quality -

UNIT – II ENVIRONMENT – PUBLIC GOOD:

Environment as a public Good – Market Efficiency and Perfect Competition – Pareto Optimality and Social Welfare – Externalities – Market Failure – Common Property Rights – Coase's Theorem.

UNIT – III ENVIRONMENTAL ISSUES:

Environment degradation and Ecological imbalances – Causes and types of Environmental Pollution: Air, Water, Soil and Noise Pollution – Industrial Pollution – Deforestation and Soil Erosion – Pollution from Agriculture – Irrigation and Environmental Problems – Urbanisation, Population Growth and Environment.

UNIT – IV ENVIRONMENTAL MANAGEMENT:

Economics of Pollution Control – Cost-benefit Analysis – Measurement of Environment Damages – Solution allowing Property Rights – Efficient tax – Subsidy – Permits – Direct Controls – Voluntary Movement – Government Intervention.

UNIT –V – ENVIRONMENTAL PROBLEMS IN INDIA:

India's Environmental Problems – Environmental Policies – Surface Water Problem and Interlinking of Rivers – Ground Water Exploitation and Rain Water Harvesting – Environmental Problems in Tamil Nadu: Tanneries, Textiles, and harvesting and sago industries – Role of Central and State Pollution Control Boards in India.

References:

1. B.C. Field, Environmental Economics – An Introduction
2. J. Joseph and M. Taussing, Environmental Economics.
3. Baumol and others Economics, Environmental Policy and Quality of Life
4. Sankaran S Environmental Economics.

Question Pattern:

Section – A (10x2=20) Two Questions each from of the Five Units

Section – B (5x5=25) either or type pattern's set question from each of Five Units

Section – C (3x10=30) three questions out of five Questions; a question from each of the five Units.

Section/Units	Unit - I	Unit - II	Unit -III	Unit - IV	Unit - V
Section-A - Questions	1-2	3-4	5-6	7-8	9-10
Section-B - Questions	11 – a&b	12 – a&b	13 – a&b	14 – a&b	15 – a&b
Section-C - Questions	16	17	18	19	20

University Nominee

Subject Expert

Chairman

