

**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – I**  
**CC I - ADVANCED MICRO ECONOMIC THEORY -1**

**Subject Code : PEA**  
**Exam Hours : 3**

**OBJECTIVES:**

1. To make the students aware of application and different theories in Micro Economics
2. To highlight the practical applications of economic theories in day to day life.

**UNIT – I: DEMAND ANALYSIS**

**20 hrs**

Indifference curve – Meaning - Characteristics – Revealed preference Theory - Hicksian – Reformulation theory - Characteristics of Goods Approach – Consumer choice - Involving Risk (N.M hypothesis) – Friedman – Savage, Markowitz Hypothesis.

**UNIT – II: THEORY OF PRODUCTION**

**15 hrs**

Multi- product firm, Elasticity of substitution -Euler’s theorem – Technical progress and production function, Cobb-Douglas production function – CES.

**UNIT – III: PRODUCT PRICING – I**

**20 hrs**

Perfect competition – Short run and Long run – Equilibrium of the firm and industry, Monopoly – Short run and Long run equilibrium, Price discrimination – Monopolistic competition – General approaches to equilibrium – Product differentiation and selling cost – Excess capacity under monopolistic and imperfect competition.

**UNIT – IV: PRODUCT PRICING – II**

**20 hrs**

Oligopoly – Non collusive Cournot, Bertrand, Edgeworth, Chamberlin, Kinked Demand curve and Stackberg’s solution and Collusive, Monopsony and Bilateral Monopoly.

**UNIT – V: Neo – CLASSICAL THEORY AND FIRM**

**15 hrs**

Neo-classical theory of firm – Marginal Pricing - Hall and Hitch Full cost pricing, Average cost pricing, Mark-up rule, Bain’s limit Pricing Theory.

**TEXT BOOKS:**

1. M.L. Jhingan - Modern Micro Economics – Vrinda Publication, Private Limited
2. S. Sankaran - Micro Economics, Margham Publications, Madras.
3. M.L. Seth - Micro Economic theory ( Lakshmi Narain Agarwalco., Agra)
4. H.L. Ahuja - Advanced Economic Theory. S Chand and co., Ltd., Ram Nagar, New Delhi
5. P.N. Chopra - Advanced Economic Theory

**REFERENCES:**

1. Waston - Price theory and uses (scientific book Co., Calcutta)
2. G.Stigler - Theory of prize (4<sup>th</sup> edition prentice hall of India, New Delhi.
3. Koutsyiannis - Modern Micro Economics (Macmillan press, London)
4. Salvatore, Domlnick - Micro Economic, theory Mc.Graw Hill, New Delhi.
5. D.N. Dwivvedi - Micro Economic Theory, Vikas publishing house private limited, New Delhi.

**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER - I**  
**CC II - MACRO ECONOMIC THEORY AND POLICY-I**

**Subject Code : PEB**  
**Exam Hours: 3**

**Objectives:**

1. To make the students aware of the concepts of macro economics
2. To develop skill in evaluating the macro economic policies

**UNIT I: CONCEPTS OF MACRO ECONOMIC ANALYSIS 18 hrs**

Macro Economic Concepts – Stock – Flow - Nature and Scope of Macro Economics -Importance and Limitations - Macro Economic Analysis – Statics – Comparative Statics and Dynamic Analysis.

**UNITII: NATIONAL INCOME ACCOUNTING 18 hrs**

National Income Accounting- Definition- Concepts and components- Methods of measuring National Income - Difficulties in Calculation- Circular flow model Two, Three, Four Sector Economy- Social Accounting - Input-output Accounts, Circular flow of fund Accounting and Balance of Payment Accounts.

**UNIT III: CLASSICAL VIEWS ON EMPLOYMENT 18hrs**

Classical Theory of Employment - Assumptions- Say's Law of Market – Criticisms of classical theory.

**UNIT – IV : KEYNESIAN THEORY OF EMPLOYMENT  
18 hrs**

Keynes theory of employment and output – Aggregate supply function – Aggregate demand function – Effective demand – Comparison and contrast Between classical and Keynes's Theory.

**UNIT – V: KEYNESIAN AND POST KEYNESIAN THEORIES OF CONSUMPTION  
FUNCTION 18 hrs**

Consumption function – Keynes Psychological Law - Determinants of Consumption – Short and Long run Consumption Functions – Theories – Absolute Income Hypothesis, Relative Income Hypothesis, Permanent Income Hypothesis, Life Cycle Hypothesis.

**TEXT BOOKS:**

- |                    |   |
|--------------------|---|
| 1. K.K.Dewett      | - Economics of growth and development     |
| 2. Kuznets         | - Modern Economic Growth                  |
| 3. Krishna Chandra | - The classical Theory of Economic Growth |
| 4. M.L. Jhingan    | - Economic Development and Planning       |
| 5. D.N.Dewetty     | - Macro Economic Theory                   |

**REFERENCES:**

- |                                |  |
|--------------------------------|--|
| 1. Behrman S.& T.N.Srinivasan  | - Hand book of development Economics           |
| 2. Chenery H & T.N. Srinivasan | - Hand book of development Economics           |
| 3. Todaro M.P                  | - Economic Development                         |
| 4. Misra and Puri              | - Development and planning theory and Practice |

**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – I**

**Subject Code : PEC**  
**Exam Hours: 3**

**CC III - CONTRIBUTIONS OF NOBEL LAUREATES**

**Objectives:**

1. To enable the students to understand about the Nobel laureates in Economics
2. To know about their economic contributions in detail.

**UNIT – I:- PAUL A.SAMUELSON**

**18 hrs**

Theory of Revealed preference – Business cycle social welfare function – utility possibility approach.

**UNIT –II:- SIR JOHN HICKS**

**18 hrs**

Main Economic ideas Consumer equilibrium – Revision of Demand Theory – Consumer's Surplus – General equilibrium – Economic Dynamics - Stationary state – Theory of Trade cycle welfare economics.

**UNIT - III:- MILTON FRIEDMAN**

**18 hrs**

Quantity Theory of Money – Demand Functions – Permanent Income Hypothesis – Savage Hypothesis.

**UNIT – IV:- AMARTHYA SEN**

**18 hrs**

Poverty And Famines – Poverty And Inequality – Concept of Capability – Entitlement - Choice of Technique – Time Series Criteria

**UNIT – V:- ROBERT A.MUNDELL**

**18 hrs**

Theory of International Trade – Open Macro Economy - Optimum Currency Area Argument – Monetary Approaches to the Balance of Payment – Macro Economics – Fiscal Monetary Mixtures and the Assignment Rule.

**TEXT BOOKS:-**

1. Bell J.F - A History of Economic Thought
2. Newman P.C. - Development of Economic Thought
3. Jhingan M.L - History of Economic Thought
4. Lokanathan - History of Economic thought

**REFERENCES:-**

1. Schumpeter - Ten great Economists
2. Cole G.D.H - History of Socialist Thought
3. Leckachman R. - A History

**Internal : 25**

**External : 75**

**Subject Code : PED**

**Exam Hours : 3**

**M.A ECONOMICS  
SEMESTER – I**

**CC IV – MATHEMATICAL METHODS FOR ECONOMIC ANALYSIS**

**Objectives:**

1. To create the awareness among the students about the concepts and techniques
2. To inculcate the application of Mathematical Techniques in Economics.

**UNIT – I : BASIC CONCEPTS**

**18hrs**

Constants, Variables, Parameters, Coefficient, Functions – Inverse, General and Specific Functions – Types of Functions - Linear and Non – linear . Uses of Mathematics in Economics. (Only Theory).

**UNIT – II: DIFFERENTIAL CALCULUS**

**18 hrs**

Differentiation – Definition , sign of Derivatives, Rules of Differentiation – Basic rule , power rule, power of power rule, Addition and Subtraction rule and Quotient rule. Differentiation of Simple Functions Like  $y = 5x^3 - 10x^2 + x - 100$ . (No Logarithmic, Exponential and Trigonometric functions). Partial derivatives only for two variables, Higher order derivatives up to second order for the functions like  $Z = f(x, y) = 10x^3 y^2 - 5x^2 y + 6x - 11y + 1000$ . Simple problems.

**UNIT – III: MATRIX ALGEBRA**

**18 hrs**

Matrix – Definition – Types, Addition and Subtraction of 2 or more matrices, Scalar multiplication of a matrix, Multiplication of 2 matrices, (up to 3x3 order ) Singular matrix, Non – Singular matrix, Uses of matrices – Simple problems.

**UNIT – IV: SOLVING SIMULTANEOUS EQUATIONS**

**18 hrs**

Determinants – Definitions, Minors and Co-factors of each element of a determinant (Simple problems.... No properties of determinants). Solving simultaneous equations using Cramer's rule up to 3x3 orders – Simple problems.

**UNIT – V: INPUT - OUTPUT MODEL**

**18 hrs**

Leontief's Input – Output model – Definition , Assumptions, Input Output Transaction Matrix , Closed and Open Input – Output models, Uses of Input – Output model, Limitations of Input – Output analysis (Only theory)

**TEXT BOOKS:**

1. Chiang, AC - Fundamental methods of mathematical Economics MC Graw Hill, New Delhi
2. Metha BC and Madnani G.M.K - Mathematics for Economists, Sultan Chand & Sons Publisher, New Delhi.

**REFERENCES:**

1. Allen R.G.D - Mathematical Analysis of Economist, Macmillan press and ELBS, Landon
2. Dr. Agarwal H.S - A mathematical approach to Economic Theory Lakshmi Narain Agarwal, Education.
3. Badal Mukherji and Pandit - Mathematical Methods for Economic Analysis, Allied Publisher Pvt., New Delhi.



**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER - I**  
**EC I - INDIAN ECONOMIC PROBLEMS**

**Subject Code : PEE1**  
**Exam Hours : 3**

**Objectives:**

1. Make the students to understand about various sectors and their development in Indian Economy.
2. Prepare the Students to Know about planning and financial sector reforms in India

**UNIT - I : DEMOGRAPHIC FEATURES**

**18hrs.**

Broad demographic features - Rural -Urban Migration; Urbanization - Environment Regional Imbalance; Issues and Policies in Financing Infrastructure Development.

**UNIT - II: AGRICULTURAL SECTOR**

**18 hrs.**

Institutional Structure - Land reforms in India; Technological change in agriculture - Pricing of agricultural inputs and outputs; Terms of Trade between Agriculture and Industry : Agricultural finance policy; Concepts in food security - Policies for sustainable agriculture.

**UNIT - III: INDUSTRIAL SECTOR**

**18 hrs.**

New Industrial policy; Public sector entrepreneurs and their performance; problems of sick units in India; Privatization and disinvestment debate; Small - scale sector; productivity in industrial sector - Issues in Labour market reforms - Concepts of Medium and Small Enterprise - Large Scale Industries - Industrial Problems - Measures.

**UNIT - IV: PLANNING IN INDIA**

**18hrs.**

Recent plan in India Objectives and strategies - Achievements and shortcomings - Nidhi Ayog - Poverty - Inequality - Unemployment.

**UNIT - V: ECONOMIC REFORMS**

**18 hrs.**

Globalization of Indian Economy; W.T.O. and its impact- Impact of Economic Reforms on Indian Economy - FDI and FII - Banking and Financial Sector Reforms - Global Economic Crisis and Indian Economy.

**TEXT BOOKS:**

1. Dutt, Rudrar & K.P.M. Sundaram - Indian Economy, Sultan Chand & CO., New Delhi
- 2 Dr..S.Sankaran - Indian Economy

**References:**

1. Brahmnananda, P.R and V.R. Panchmukhi (Eds) - Development Experience in the Indian Economy inter State Perspectives, Book well, Delhi.
2. Dantwala M.L (1996), - Dilemmas of Growth The Indian Experience Saga Publications, New Delhi.
3. Dutt, Rudrar & K.P.M. Sundaram (2000) - Indian Economy, Sultan Chand & CO., New Delhi
4. Jalan. B (1992) - The Indian Economy – Problems & Prospects New Delhi.

**Internal : 25**  
**External : 75**

**Subject Code : PEE**  
**Exam Hours : 3**

**M.A ECONOMICS**  
**SEMESTER – II**  
**CC V - ADVANCED MICRO ECONOMIC THEORY -II**

**Objectives:**

1. To make the students aware of application and different theories in Micro Economics
2. To highlight the practical applications of economic theories in day to day life.

**UNIT – I : DISTRIBUTION**

**18hrs**

Neo-Classical approach – Marginal productivity theory, Product exhaustion theorem - Theory of distribution - Macro Theories of distribution Ricardian – Marxian, Kelecki and Kaldor Model.

**UNIT – II: WELFARE ECONOMICS**

**18hrs**

Welfare Economics – Pigou- Pareto’s optimal conditions – Value Judgment, Social Welfare Functions, Compensation Principle – Inability to Obtain Optimum Welfare – Imperfections- Market Failure - Theory of Second Best - Arrow’s Impossibility Theorem, Equity Efficiency Trade off.

**UNIT – III: GENERAL EQUILIBRIUM**

**18hrs**

Walrasian Excess Demand and Input – Output Approach to General Equilibrium – Existence stability and Uniqueness of Equilibrium One Sector Model – 2x2x2 model.

**UNIT – IV: ECONOMICS OF UNCERTAINTY**

**18hrs**

Individual behaviour towards risk- Certainty Equivalence Approaches – Risk Version –Gambling –Insurance – Risk pooling and spreading –Portfolio selection.

**UNIT – V: COMPETITIVE FIRM UNDER UNCERTAINTY**

**18hrs**

The Efficient Market Hypothesis – Market with Imperfect Information Search and Transactions, The Economics of information.

**TEXT BOOKS:**

1. Koutsoyiannis, A - Modern Micro Economics
2. Agarwal H.S - Principles of Economics
3. Jhingan M.L - Modern Micro Economics

**REFERENCES:**

1. Baumol, W.J - Economic theory and operation analysis.
2. Salvatore, Dominick - Micro Economic theory
3. Ahuja H.L - Advanced micro economic theory

**Internal : 25**  
**External : 75**

**Subject Code : PEF**  
**Exam Hours: 3**

**M.A ECONOMICS**  
**SEMESTER – II**

**CC VI - MACRO ECONOMIC THEORY AND POLICY-II**

**Objectives:**

1. To make the students understand the macro economic concepts
2. To train the students in analyzing macro economic problems with the help of Theoretical foundations.

**UNIT I: INVESTMENT**

**18hrs**

Keynes theory of Investment – Marginal efficiency of capital – Marginal Efficiency of Investment – Investment Multiplier – The principle of Acceleration – The multiplier – Concept of Super Multiplier.

**UNIT II: RATE OF INTEREST**

**18hrs**

Classical Theory – Neo-Classical theories- Keynesian theory.

**UNIT III: IS-LM MODEL**

**18hrs**

Integration of Real and Monetary Sectors Through IS and LM Functions – Dynamic Shifting of IS and LM Functions – The Relative Effectiveness of Monetary and Fiscal Policy.

**UNIT – IV : INFLATION**

**18hrs**

Inflation- Meaning –Types, Causes The Effects of Inflation- Measures to Control Inflation – Implications of Philips curve.

**UNIT – V: BUSINESS CYCLE AND MACRO ECONOMIC POLICIES**      **18hrs**

Phase and Characteristics Monetary and Non-Monetary Business Cycle -Kaldor, Hicks and Samuelson, Concepts of Trade Cycle – Effectives of Macro Economic Policies.

**TEXT BOOKS:**

- |                    |   |
|--------------------|---|
| 1. K.K.Dewett      | - Economics of growth and development     |
| 2. Kuznets         | - Modern Economic Growth                  |
| 3. Krishna Chandra | - The classical Theory of Economic Growth |
| 4. M.L. Jhingan    | - Economic Development and planning       |
| 5. D.N.Dewett      | - Macro Economic Theory                   |

**REFERENCES:**

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| 2. Chenery H & T.N. Srinivasan | - Hand book of development Economics           |
| 3. Todaro M.P                  | - Economic Development                         |
| 4. Misra and Puri              | - Development and planning theory and Practice |

**Internal : 25**  
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**M.A ECONOMICS**  
**SEMESTER – II**  
**CC VII – FISCAL ECONOMICS**

**Subject Code : PEG**  
**Exam Hours: 3**

**Objectives:**

1. To make the student to understand about private goods and public goods.
2. To teach the country's revenue and expenditure, fiscal policy and financial administration.

**UNIT- I: THEORY OF PUBLIC GOODS AND PUBLIC CHOICE** **18hrs**

Theory of Private Goods and Merit Goods – Market Failure- Imperfection, Decreasing Costs, Externalities, Public Goods – Voting System

**UNIT-II: PUBLIC REVENUE AND TAXATIONS** **18hrs**

Sources – Tax, Non Tax - Theory of Incidence- Benefit and Ability to Pay Approaches- Theory of Optimal Taxation; Excess Burden of Taxes – Concept Double Taxation –VAT- Indian Tax Structure and Trends.

**UNIT III: PUBLIC EXPENDITURE** **18hrs**

Wagner's law of increasing State Activities; Wiseman – Peacock Hypothesis- Structure and Growth of Public Expenditure Budgeting; Programme Budgeting. Zero Base Budgeting.

**UNIT – IV: PUBLIC DEBT** **18hrs**

Public Debt- Classical view of Public Debt; Compensatory Aspects of Debt. Policy, Burden of Public Debt. Sources of Public Debt. Public Borrowings and Price Level, Principles of Debt Management and Repayment.

**UNIT – V: FISCAL POLICY AND FEDERALISM** **18hrs**

Objective of fiscal policy – Budgetary deficit and its implications- Meaning and significance of budgetary terms – Revenue account, capital account – Fiscal deficit and other types of deficit – Fiscal Federation in India – Centre State Financial Relations in India – Features of Recent Finance Commission.

**TEXT BOOKS:**

1. B.P Tyagi - Public Finance (Jai Prakash Rao)
2. Ram Niranjana Tripathy (1985) - Public Finance Underdeveloped countries (Sterling Publishers, New Delhi)
3. K.Kandley and K.P Sundaram - Public Economics and Public finance (Ratan Prakashan Mandist. Delhi)
4. R.Cauvery & Groups - Fiscal Economics, Chand & Company Ltd, New Delhi.

**REFERENCES:**

1. Atkinson A.B and J.E Sighitz (1980) - Lectures on Public Economics (Tata McGraw, Hill, New Delhi.
2. Bachana J.M (1968) - The Demand and supply of public goods (Rand Monally, Chicago )
3. Peacock A and D.J. Roberson (Eds) - Public Expenditure: Appraisal and Control (1963) (Oliver and Boyd, Edinburgh)
4. Raja Cheliah (1966) - Final Policy in Underdeveloped Countries (George Allen Unwin, London )
5. Datt. R (Ed) (2001) - Second Generation and Economic Reforms in India Deep and Deep Publications, New Delhi.
6. Musgrave R.A and Peggy B. Musgrave - Public Finance in theory and practice, New Delhi.(1980)

**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – II**  
**CC VIII - STATISTICAL METHODS FOR ECONOMIC ANALYSIS**

**Subject Code : PEH**  
**Exam Hours: 3**

**Objectives:**

1. The main objective is to teach the students to use the techniques and statistical analysis in order to understand Economic Problems.
2. To teach the students to frame and test the hypothesis.

**UNIT I: DESCRIPTIVE STATISTICS**

**18hrs**

Measures of Central Tendency, Definition, Characteristics of a good Measure of Central Tendency – Mean, Median and Mode – Definition, merits and demerits (Simple Problem). Measures of Dispersion – Definition , Characteristics of a good measure of dispersion – Standard Deviation – Definition , Merits and Demerits, Coefficient of Variation, (Simple Problems)

**UNITII: CORRELATION ANALYSIS**

**18hrs**

Correlation Analysis- Definition, Types, Methods of Finding Correlation Co-efficient – Scatter Diagram, Karl Pearson, Spearman’s Rank Correlation Co-efficient, Concurrent Deviations Method -Properties of Correlation Co-efficient.( Only statement With out proof) (Simple Problems)

**UNIT III: REGRESSION ANALYSIS**

**18hrs**

Regression Analysis –Definition, Types, Regression Equation X on Y and Regression Equation Y on X - Properties of Regression Co- Efficient- ( With out proof) - Difference Between Correlation and Regression Analysis. (Simple Problems)

**UNIT – IV: SAMPLING METHODS**

**18 hrs**

Sampling- Definition, Uses of sampling. Random Sampling- Simple Random Sampling Stratified Random Sampling, Systematic Random Sampling – Definition, Merits and Demerits, Non-random sampling – Purposive ,Quota and Judgement sampling.(Only Theory).

**UNIT – V: TESTING OF HYPOTHESIS**

**18hrs**

Sampling distribution of Means, Standard Error- Uses of Standard Error – Testing of Hypothesis – Test Procedure – Type I error, Types II error - One Tailed & Two Tailed Tests, - t - test- Testing Significance of Single Mean and Difference Between Two Means, Chi square test- Testing the Independence of Two Attributes, (Simple Problems).

**TEXT BOOKS:**

1. Gupta S.P - Statistical methods, Sultan Chand and Son's New Delhi
2. Gupta, S.C - Fundamentals of Applied Statistics, Sultan Chand and son's New Delhi

**REFERENCES:**

1. Nagar AL and Das RK - Basic statistics Oxford University Press New Delhi.
2. Salvatore Dominick - Statistics and Econometrics Mc. Graw Hill Co., New Delhi.
3. Morris Carl. N and John E Rolph - Introduction to Data Analysis and statistical Inference Prentice , Hall Inc. Engle wood Cliffs, New Jersey 07632
4. Speigal MR - Theory and problems of Statistics, Mc Graw hill Book Company.
5. Crozton Cowden and Klein - Applied General Statistics, Prentice hall of India New Delhi.
6. Chou Y - Statistics Analysis Holy Reinhart and Winston, New Delhi.



**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – II**  
**EC II - ENVIRONMENTAL ECONOMICS**

**Subject Code : PEE2**  
**Exam Hours: 3**

**Objectives:**

1. To make the students familiarize with Economics on Natural Resource management and Sustainable Development.
2. To make them aware of policy instruments for controlling pollution

**UNIT I : NEXUS BETWEEN ECONOMICS & ENVIRONMENTS** **18hrs**

Material balance principle – Externalities & Market inefficiency – Property Right & Externality – Non Convexities and Externalities – Pareto Optional Provision of Public Goods – Common Property Resources.

**UNIT-II : THE THEORY OF ENVIRONMENTAL POLICY** **18hrs**

Coase's Bargaining Solution and Collective Action- Monitoring and Enforcement of Environmental Regulation Global Environment – Externalities On Climate Change.

**UNIT III : NATURAL RESOURCE MANAGEMENT AND SUSTAINABLE DEVELOPMENT** **18hrs**

Optimal Use of Exhaustible and Renewable Resources – Environment and Development- Trade off Concept of Sustainable Development – Issues in Bio- Diversity.

**UNIT – IV: MEASUREMENT OF ENVIRONMENTAL VALUE** **18hrs**

User Values, Option Values and Non-Use Values, Valuation Methods – Hedonic Property Values – Contingent Valuation Methods.

**UNIT – V: ENVIRONMENTAL AND NATURAL RESOURCE PROBLEMS IN INDIA** **18hrs**

Mechanism for Environment Regulation in India – Legal Measures – Environmental Laws and their Implementation – Policy Instruments for Controlling Pollution Joint Forest Management –Social Forestry.

**TEXT BOOKS:**

- |                         |  |
|-------------------------|--|
| 1. Baumol W.J W.E Oates | - The theory of Environment policy     |
| 2. Sanker U             | - Environmental Economics              |
| 3. Kolstand C.D         | - Environmental economics              |
| 4. Fisher A.C           | - Resource and Environmental economics |

**REFERENCES:**

- |                        |   |
|------------------------|---|
| 1. Agarwal S.K         | - Environmental Issues and Themes   |
| 2. Sumi Krishna        | - Environmental policies people' s lives and<br>Development choices, sage- publications |
| 3. Sandhya Venkatraman | - Environment and development Sage- publications<br>New Delhi.                          |
| 4. Neela Mukherjee     | - participatory appraisal of Natural resources, Rewat<br>publications, New Delhi.       |

**Internal: 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – III**  
**CC IX - RESEARCH METHODOLOGY**

**Subject Code : PEI**  
**Exam Hours : 3**

**Objectives:**

- 1.To make the students understand the meaning and definition of research, features of research and concepts.
2. To make the students understand the process of preparing master table and Report writing.

**UNIT – I:-METHODS OF RESEARCH** **18hrs**

Research -Meaning and Definitions, Types- Features- Facts – Theory – Concepts – Causality – Objectivity in Research.

**UNIT – II :-RESEARCH PROBLEM AND HYPEOTHESIS** **18hrs**

Choice of the Research Problem – Factors involved in the choice – Review of Literature – Characteristics of a Good hypothesis.

**UNIT – III:- SAMPLING TECHNIQUES AND RESEARCH DESIGN** **18hrs**

Census Method – Sampling Method – Methods of Sampling: Random sampling method – Judgement Method – Stratified, Systematic, Quota and Multistage sampling Method – Sampling and Non Sampling errors –Methods of reducing both – Sampling size – Scaling techniques – Research design.

**UNIT – IV :- DATA SOURCE** **18hrs**

Merits and Demerits – Methods of collecting Primary data – Schedule methods – Observation Methods – Interview method –Questionnaire Method- Qualities of a good Questionnaire - Secondary data – Merits and Demerits –Sources of Secondary data- Published and Unpublished..

**UNIT – V:- RESEARCH REPORT WRITING** **18hrs**

Meaning of analysis –Editing –Coding – Classification of Research – Statistical and Mathematical tools of analysis –Research Report writing .

**TEXT BOOKS:**

1. Ghosh B.N - Scientific Method and Social Research
2. Kothari C.N - Research Methodology
3. Satavanavel P. - Research Methodology
4. Wilkinson and Bhandarkar - Methodology and techniques of Social research  
Himalaya Publishing House

## REFERENCES:

1. Goode W.J and Hatt P.K - Methods in Social research
2. Ghaturvedi D.D - Research in Economics
3. Bhatnaga P. - Research Methods and Measurements in Behaviour and Social, New Delhi, Agri, Cole Publishing Academy.
4. Myrdal G. - Objectivity in Social Research
- 5, C.T. Kurien - A Guide to research in Economics, Sangam Publisher

**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – III**  
**CC X - INDUSTRIAL ECONOMICS**

**Subject Code : PEJ**  
**Exam Hours : 3**

**Objectives:**

1. To make the students understand the role of Industries and corporate form of Organization
2. To gain the knowledge of the New Industrial Policy and some issues in Industry

**UNIT – I : PATTERNS AND STRUCTURE** **18hrs**

Rationale of Industrialization - Process and pattern of Industrialization – Industrial structure and change – Alternative patterns; Chenery- Hoffman, Simon Kuznet,

**UNIT – II: THEORIES OF INDUSTRIAL LOCATION** **18hrs**

Theories of Industrial location – Weber, Sargent Florence, and Losch- Factors affecting location.- Factors determining location – Cost approach – Demand approach

**UNIT – III: INDUSTRIAL FINANCE** **18hrs**

Institutional Finance – Need- Sources – IDBI – IFCI – SFCs – SIDCO, Commercial Banks Insurance company - LIC- Private LIC - AXIS Bank

**UNIT – IV: INDUSTRIAL LABOUR** **18hrs**

Structure of Industrial labour – Labour in organized and unorganized industries – Industrial Legislation, Wages and problems of Bonus – Absenteeism, Migration Turnover, and Attrition - Labour Market Reforms.

**UNIT – V: PROJECT PLANNING AND APPRAISAL** **18hrs**

Process- Methods- Pay Back Period and CPM – Project Evaluation Review Techniques – Net present value - Internal Rate of Return (I

**TEXT BOOKS:**

- 1.Barthwal.R - Industrial Economics
2. Kuchhal S.C - Industrial Economics of India.
3. Mamoria & Mamoria - Dynamics of Industrial Relations in India.
4. Cherunilam F - Industrial economics.
5. Sivayados - Industrial Economics

**REFERENCES:**

1. Ruddar Dutt and K.P.M Sundram - Indian Economy, S. Chand and company.
2. Bhagwati, J and P. Desai - Indian Planning for Industrialization.

**Internal : 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – III**  
**CC XI - INTERNATIONAL ECONOMICS**

**Subject Code : PEK**  
**Exam Hours: 3**

**Objectives:**

1. To make the students aware of trade Policies in India
2. To make the students understand the Meaning of International Trade and Theories of International Trade.

**UNIT-1: THEORIES OF INTERNATIONAL TRADE** **18 hrs**

The basis theory of International Trade - Theories of Absolute Advantage, Comparative Advantage and Opportunity Costs, Modern Theory of International Trade- Heckscher –Ohlin Theory of Trade –Stopler Samuel Son Theorem – Rybezynski Theorem.

**UNIT –II: TRADE GAINS AND THEORY OF INTERVENTIONS** **18 hrs**

Trade - Gains from Trade and their Distribution –Concepts of Terms of Trade - uses and Limitations –Foreign Trade Multiplier – Euro–Dollar Market –Theories of Interventions (Tariffs, Quotas and non- Tariff barriers).

**UNIT- III: BALANCE OF PAYMENTS** **18 hrs**

Meaning and Components of Balance of Payment, Equilibrium and Disequilibrium in the Balance of Payments –Relative Merits and Demerits of Fixed and Flexible Exchange Rates – Foreign Exchange Methods and Classifications.

**UNIT –IV : INTERNATIONAL TRADE ORGANISATION** **18 hrs**

International Trade and Financial Institutions –Role of GATT, WTO, UNCTAD, Asian Development Bank .

**UNIT-V: TRADE POLICIES IN INDIA** **18 hrs**

Trade Policies - Concepts – Objectives – Evolution – MNC – EPZ –SEZ –Recent Trade Policy .

**TEXT BOOKS:**

- |                         |  |
|-------------------------|--|
| 1.Dr.Framics Cherunilam | - International Economics                |
| 2.D.M.Mithani           | - International Economics                |
| 3.M.C.Vaish             | - Money, Banking and International Trade |

**REFERENCES:**

- |                            |   |
|----------------------------|---|
| 1. C.P.Kindleberger        | - International Economics                     |
| 2. D.Salvatore             | - International Economics.                    |
| 3. Dunn, R.M and J.H Mutti | - International Economics, Rout ledge, London |

**Internal : 25**

**External : 75**

**Subject Code : PEL**

**Exam Hours: 3**

**M.A ECONOMICS  
SEMESTER – III  
CC XII - MONETARY ECONOMICS**

**Objectives:**

1. To make the students aware of the concepts of monetary economics
2. To develop skill in evaluating the monetary policies

**UNIT I: CLASSICAL AND NEO-CLASSICAL THEORIES**

**18hrs**

Classical –Fisher’s approach; Neo- Classical – Cambridge- Marshall, Pigou – Robertson and Keynes Comparison – Critical Evaluation .

**UNIT II: KEYNES AND POST KEYNESIAN THEORIES**

**18hrs**

Keynesian Reformulation of Quantity Theory of money – Tobin’s port folio analysis of Money- Milton Friedman’s Reformulated Quantity Theory of money - Patinkin’s Real Balance Effect.

**UNIT III: MONETARISM Vs KEYNESIANISM**

**18hrs**

Monetarism Vs Keynesianism - Comparison –Determination of money supply – Policies of Inflation & Policy Implications – Gurley & Shaw Analysis

**UNIT IV: MONEY AND CAPITAL MARKET**

**18hrs**

Structure of money Market and Capital Market in India - The role in Financial Intermediaries- Effects of financial Intermediaries - the cost and availability of finance – Non Banking Financial Institutions in India.

**UNIT – V: BANKING AND MONETARY POLICY**

**18hrs**

Commercial Banks - Functions - Credit Creation –RBI’s role in Economic policy Development operation in India – Limitations of Monetary Policy – Effects of Debt Management Policy.

**Text Books:**

1. Gupta. R.D- Keynes and Post Keynesian Economics  
(Kalyan Publisher, New Delhi)
2. Sundram.K.P. M -Money Banking International, Trade (Vika, New Delhi.)
3. S.Sankaran - Monetary Economics, Margham Publications. Madras.

### Reference Books:

1. M.L. Seth - Monetary Economics, Lakshmi Narain Agarwal, Agra.
2. Vaish, MC -.Money Banking and International Trade (New Age International (P)Ltd, New. Delhi
3. Sayers R.S - Modern Banking (Oxford University, Press)
4. Badil.J Moore - An Introduction to the theory of Finance (Oxford) University Press.
5. Basu. S.K. .Recent Banking Development (Chand and Co., New Delhi.)



**Internal: 15**  
**External : 45**

**M.A ECONOMICS**  
**SEMESTER - III**  
**EC II - COMPUTER APPLICATIONS IN ECONOMICS**

**Subject Code : PEE3a**  
**Exam Hours: 2**

**Objective:**

1. Make the student to learn using of internet for higher study and Research work.

**UNIT - I INTRODUCTION TO COMPUTER**

**20 hrs**

Evolution, Generations and Classification of computers – Hardware and Software – C.P.U and its Functions – Input and Out put devices Application of computers in Economics and Business.

**UNIT - II WORLD WIDE WEB**

**25 hrs**

Internet Basics – Browsing internet – Using search engines – Opening E-mail ID. Sending and Checking E –mail – Downloading text from internet.

**TEXT BOOK**

1. Rajaraman,V, (1996) – Fundamentals of computers (Prentice Hall of India, New Delhi)
2. Sinha (1992) – Computer Fundamentals BPB Publications, New Delhi

**REFERENCES:**

1. Sandus, D.H(1988) – Computers Today, MC Graw Hill(3<sup>rd</sup> Edition), New York.
2. Leon and Leon – internet Basics.

**Internal: 10**  
**External : 30**

**M.A ECONOMICS**  
**SEMESTER - III**  
**EC II - COMPUTER APPLICATIONS IN ECONOMICS**  
**PRACTICAL LIST**

**Subject Code : PEE3bY**  
**Exam Hours: 3**

**USING WINDOWS**

**20 hrs**

1. Using Windows Explorer, Create a New Folder and send it to the Desktop  
Delete the folder and restore it from the recycle bin.

**USING MS-WORD**

**25 hrs**

2. Create a Circular Letter Using mail Merge Option.
3. Type two Paragraphs Using Ms-Word with heading & Sub –Heading, Show the effects using Bullets & Numbering Option for the above.
4. Using Page setup option set the Margin to 1.5 & Right Margin to 1.5 split the page in to two columns, Type and text using Header and Footer option, give suitable Title and page Number and Number of pages as Footer.

**Internal: 25**  
**External : 75**

**Subject Code : PEM**  
**Exam Hours: 3**

**M.A ECONOMICS**  
**SEMESTER - IV**  
**CC XIII - AGRICULTURAL ECONOMICS**

**Objectives:**

1. To make the students aware of the significance of agriculture in the development scenario of the nation.
2. To create awareness of promotion strategy and marketing research in agricultural sector.

**UNIT - I:- INTRODUCTION**

**15 hrs**

The Nature of Scope of Agricultural Economics –Features of Indian Agriculture – Agriculture and Industry –Significance of Agriculture in India – Inter Sector Linkage – Interrelationship between Agriculture – Industry– Agri and Agro based Industries.

**UNIT - II:- CROPPING PATTERN**

**15 hrs**

Meaning - Factors – Productivity Trends in Area –Production –Productivity and strategies –Crop Insurance.

**UNIT - III:- AGRICULTURAL FINANCE**

**15 hrs**

Meaning –Needs – Types – Source – Role of Co-operatives, Commercial Banks and NABARD in rural finance –Problems – Institutional – Non – Institutional.

**UNIT - IV:- AGRICULTURAL MARKETING**

**15 hrs**

Marketed and marketable surplus – Marketing of Agro- based Industrial Produces – Agricultural marketing System –Need for marketing Research –Procedure for Conducting Marketing Research –Food Corporation of India –TNCSC- Agricultural Pricing Policy.

**UNIT - V:- PROMOTION STRATEGIES**

**15 hrs**

Organic, Inorganic fertilizers, Compost manure – Bio-fertilizer – Recycling of Agricultural Products – Value Addition of Agricultural Commodities – Cold storage – Prospects of Agricultural of Agricultural Business in India

**TEXT BOOKS:**

- |                     |  |
|---------------------|--|
| 1.B.P. Vasant Desai | - Agricultural Economics, Rural development          |
| 2. V. Natarani      | - Agricultural Prices and Development with stability |
| C.B.Memoria         | - Agricultural problems of India.                    |

**RERERENCES:**

- |                                   |                                  |
|-----------------------------------|----------------------------------|
| 1. Government of India            | - Agricultural Marketing Reports |
| 2. Ruddar Dutt and K.P.M.Sundaram | - Indian Economy S.Chand Ltd.    |

**Internal: 25**

**External : 75**

**Subject Code : PEN**

**Exam Hours: 3**

**M.A ECONOMICS  
SEMESTER – IV  
CC XIV –ECONOMICS OF DEVELOPMENT**

**Objectives:**

1. To understand about the indicators of development.
2. To study about the theories of Economics of Development

**UNIT – I:- INTRODUCTION**

**15 hrs**

Definition- Growth Vs Development - Economic and Non-Economic Factors of Development – Obstacles to development- Vicious Circle Theory .

**UNIT – II:- CLASSICAL THEORIES**

**10 hrs**

Classical theories, Ricardo, Marx, Rostow, Schumpeter, Nurkse and Meir and Baldwin.

**UNIT – III:- GROWTH STRATEGIES**

**15 hrs**

Theories of Under development –Surplus labour theory by Lewis, Big-Push, Rosentain Rodan – Balanced Vs Unbalanced growth – Hirschman – Minimum Critical Effort – Leibenstein.

**UNIT – IV:- FACTORS OF PRODUCTION**

**20hrs**

Factors in the Development Process – Land, Labour and Capital – Population Growth and Development Processes – Theory of Demographic Transition –Employment Problem- Economic uses of National Resources –Capital Formation – Factors Affecting Capital Formation –Capital Output Ratio in Developed and Underdeveloped Countries.

**UNIT – V:- ECONOMIC PLANNING**

**15 hrs**

Rationale –Types – Objectives – Strategies – Models – Gandhian- Nehruvian, Rao, Mahalanobis – XI Plan – Achievements and Failures.

**TEXT BOOKS:**

1. CT.Kurien - The Economy Sage Publications, New Delhi.
2. Schaum's Service - Theories and problems of development Economics.

**RERERENCES:**

1. B.Higgins, - Economic Development
- 2.G.M.Meier (Ed) - Leading Issues in Economics Development
- 3.G.Myrdal - Economic Theory and Underdeveloped Regions.

**Internal: 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – IV**  
**EC IV - GENDER AND ECONOMICS**

**Subject Code : PEE4**  
**Exam Hours: 3**

**Objectives:**

1. Make the students to understand the demographic aspects of gender and their role in family.
2. Enable students to understand the role played by women in rural sector, urban sector and the empowerment of women.

**UNIT-I: DEMOGRAPHIC ASPECTS OF GENDER**

**15 hrs**

Age Composition –Life expectancy –Sex Ratio. Women Density – Mortality and Morbidity – Female Density- Women’s Paid Work –Dual Role of Women in Economic Development –Valuing women’s Work.

**UNIT-II: GENDER AND RURAL SECTOR**

**15 hrs**

Occupational Pattern of Women’s Employment –Agricultural and Non-Agricultural Occupation –Wage Differentials in the Labour Market –Male and Female Productivity Differences –Demand and Supply Factors.

**UNIT-III: GENDER AND URBAN SECTOR**

**15hrs**

Gender in Organized and Unorganized Sector – Emergence of Women Entrepreneurship –Women’s Employment in Service Sector.

**UNIT-IV: GENDER AND EMPOWERMENT**

**15 hrs**

Economic Empowerment – Concepts Economic, Social, Political and Psychological Empowerment Measure - Poverty Eradication – GDI-GEM –ideas of Sen Entitlement and Empowerment.

**UNIT-V: GENDER AND HEALTH**

**15 hrs**

Need for Gender Studies – Features of Female Population - Health status of women and children -Access to Nutrition – Age and Gender bias – Women and Food Security – Health Care Facilities.

**TEXT BOOKS:**

1. Ashok Mitra - Status of women Household and House hole
2. Activity, Bombay, Allied Publications.  
Krishnaraj M.K.M - Gender, Population and Development Oxford  
Sundarshan and Shariff University, New Delhi.
3. Nancy Davis and Loganatham - Women and the Economy : Mother (1993) Teresa  
Women's University, Kodaikanal.

**REFERNCES:**

1. Agnihotri S.B (2000) - Sex ratio in India Population: A Fresh  
Exploration Sage Publications, New Delhi.
2. Dwyer D and J Bruce (Eds) (1988) – A Home Divided: Women and Income in the  
Thrid World Stanford University Press Stanford.
3. Gulaji S.C (1998) - Fertility in India: An Econometric Analysis of a  
metropolis Sage Publications, New Delhi.
4. Kabeer, N (1994) - Reversed Realities Gender Hierarchies in  
Development, New Delhi.

**Internal: 25**  
**External : 75**

**M.A ECONOMICS**  
**SEMESTER – IV**  
**EC V - HEALTH ECONOMICS**

**Subject Code : PEE5**  
**Exam Hours : 3**

**Objectives:**

1. To teach the students the importance of Health Economics & the role of Economics in health care sector.
2. To make the students understand the process of development of health policy & the role of Planning in health care sector.

**UNIT -I-INTRODUCTION**

**15 hrs**

Meaning –Definition –Objectives –Importance –Determinants of Health Status.

**UNIT-II - HEALTH AND DEVELOPMENT**

**15 hrs**

Indicators of Health and Development -Ecological factors affecting Health – Fertility -Morbidity -Mortality -Life expectancy –Urbanisation -Industrialisation

–  
Impact on health and Human development

**UNIT –III DIMENSIONS OF DEVELOPMENT**

**15hrs**

Determinants of health -Poverty and malnutrition -Economic dimensions of health care -Health care programme -National programmes -The planning process -Role of policy research and advocacy -The budgetary process.

**UNIT-IV DONORS ON HEALTH CARE**

**15 hrs**

Allocation of Resources for health care -Donors spending -World Bank –USAID - UNFPA –DFID –WHO

**UNIT-V -EVALUATION**

**15 hrs**

Monitoring -Evaluation and Operational Research -HMIS -BLS –ELS or Studies, NFHS –DLHS -NSS

**TEXT BOOKS:**

1. S.B.Verma, S.K.Jiloka,A.CPanthak - Rural Health Care and Housing
2. William jack (1999). - Principles of Health Economics for Development Countries

**REFERENCES:**

1. Alistair Mc Guire, John Hendersone and Gavin Mooney(1988) – The Economic of Health Care. An Introductory text.
- 2 World Bank(1993) - World Development Report Investing in Health.World Dev