



KUVEMPU UNIVERSITY

Department of Studies in Economics

CHOICE BASED CREDIT SYSTEM

Two year M.A. Course in Economics of 4 Semesters

SYLLABUS

(RESTRUCTURED)

With Effect From: 2013-14

| Semester | Credits | Marks |
|-----------------|----------------|--------------|
| I | 23 | 500 |

| | | |
|--------------|-----------|-------------|
| II | 20 | 450 |
| III | 24 | 550 |
| IV | 23 | 500 |
| Total | 90 | 2000 |



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SYLLABUS

(RESTRUCTURED)

With Effect From: 2013-14

| I Semester | | | | | | |
|------------------|-------------------------------------|-----------|--------------|-----------|---------------------------|-------------|
| Paper No. | TITLE OF THE PAPER | Credits | Theory Marks | Practical | Internal Assessment Marks | Total Marks |
| | HARD CORE PAPERS | | | | | |
| 1.1(H) | Micro Economic Analysis | 05 | 75 | - | 25 | 100 |
| 1.2(H) | Economics of Growth and Development | 05 | 75 | - | 25 | 100 |
| 1.3(H) | Mathematical Methods for Economists | 05 | 75 | - | 25 | 100 |
| SOFT CORE PAPERS | | | | | | |
| 1.4(S) | Financial Institutions and Markets | 04 | 75 | - | 25 | 100 |
| 1.5(S) | Economics of Social Sector | 04 | 75 | - | 25 | 100 |
| | Total | 23 | | | | 500 |



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| II Semester | | | | | | |
|--|------------------------------------|-----------|--------|-----------------|---------------------------|-------------|
| Paper No. | TITLE OF THE PAPER | Credits | Theory | Practical Marks | Internal Assessment Marks | Total Marks |
| | HARD CORE PAPERS | | | | | |
| 2.1(H) | Public Economics | 05 | 75 | - | 25 | 100 |
| 2.2(H) | Statistical Methods for Economists | 05 | 75 | - | 25 | 100 |
| SOFT CORE PAPERS (2 of the following) | | | | | | |
| 2.3(S) | Mathematical Economics | 04 | 75 | - | 25 | 100 |
| 2.4(S) | Agricultural Economics | 04 | 75 | - | 25 | 100 |
| 2.5(S) | Economic Planning | 04 | 75 | - | 25 | 100 |
| 2.6(S) | Karnataka Economy | 04 | 75 | - | 25 | 100 |
| ELECTIVE PAPERS (1 of the following) | | | | | | |
| 2.7(E) | Economics of Infrastructure | 02 | 40 | - | 10 | 50 |
| 2.8(E) | Resource Economics | 02 | 40 | - | 10 | 50 |
| 2.9(E) | World Trade Organization | 02 | 40 | - | 10 | 50 |
| | Total | 20 | | | | 450 |

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| III Semester | | | | | | |
|--|--|---------|--------------|-----------------|---------------------------|-------------|
| Paper No. | TITLE OF THE PAPER | Credits | Theory Marks | Practical Marks | Internal Assessment Marks | Total Marks |
| | HARD CORE PAPERS | | | | | |
| 3.1(H) | Macro Economic Analysis | 05 | 75 | - | 25 | 100 |
| 3.2(H) | Computer Applications in Economic Analysis | 05 | 50 | 25 | 25 | 100 |
| SOFT CORE PAPERS (3 of the following) | | | | | | |
| 3.3(S) | Environmental Economics | 04 | 75 | - | 25 | 100 |

| | | | | | | |
|---|--------------------------------------|-----------|----|---|----|------------|
| 3.4(S) | Demography | 04 | 75 | - | 25 | 100 |
| 3.5(S) | Research Methodology | 04 | 75 | - | 25 | 100 |
| 3.6(S) | Managerial Economics (Compulsory) | 04 | 75 | - | 25 | 100 |
| ELECTIVE PAPERS (1 of the following) | | | | | | |
| 3.7(E) | Indian Public Finance | 02 | 40 | - | 10 | 50 |
| 3.8(E) | Indian Economy | 02 | 40 | - | 10 | 50 |
| 3.9(E) | Rural Development | 02 | 40 | - | 10 | 50 |
| 3.10(E) | Human Resource Development | 02 | 40 | - | 10 | 50 |
| | Total | 24 | | | | 550 |



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With Effect From: 2013-14

| IV Semester | | | | | | |
|--|------------------------------------|---------|--------------|-----------|---------------------------|-------------|
| Paper No. | TITLE OF THE PAPER | Credits | Theory Marks | Practical | Internal Assessment Marks | Total Marks |
| | HARD CORE PAPERS | | | | | |
| 4.1(H) | International Economics | 05 | 75 | - | 25 | 100 |
| 4.2(H) | Time Series Data Analysis | 05 | 75 | - | 25 | 100 |
| SOFT CORE PAPERS (2 of the following) | | | | | | |
| 4.3(S) | Operations Research for Economists | 04 | 75 | - | 25 | 100 |
| 4.4(S) | Indian Economic Policy | 04 | 75 | - | 25 | 100 |
| 4.5(S) | Industrial Economics | 04 | 75 | - | 25 | 100 |
| 4.6(S) | Economics and Law | 04 | 75 | - | 25 | 100 |
| 4.7(S) | Economics of Gender | 04 | 75 | - | 25 | 100 |
| 4.8(S) | Economics of Insurance | 04 | 75 | - | 25 | 100 |
| | PROJECT WORK | 05 | 100 | | - | 100 |

| | | | | | |
|--|---------------------|-----------|--|--|------------|
| | (Compulsory) | | (75 Marks for Project Report & 25 Marks for Viva-Voce) | | |
| | Total | 23 | | | 500 |

Contents

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| 1.3 (H) | Mathematical Methods for Economists | 05-06 |
| 1.4 (S) | Financial Institutions and Markets | 07-08 |
| 1.5 (S) | Economics of Social Sector | 09-10 |
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Project Work (**Compulsory**)

PAPER-1.1 (H): MICRO ECONOMIC ANALYSIS

MODULE -1: INTRODUCTION

Scarcity and Choice- Methods of Economic Analysis – Economic Models – Theory and Policy

MODULE – 2: CONSUMER BEHAVIOR AND DEMAND ANALYSIS

Demand –Concept – Theories – Marshall, Hicks and Allen, Samuelson - Risk and Uncertainty

MODULE-3: THEORIES OF PRODUCTION AND COSTS

Production – Concept - Production Function - Long run and Short run Analysis of Production – Traditional and Modern Theories of Costs

MODULE -4: THEORIES OF MARKETS AND GENERAL EQUILIBRIUM

Price and Output determination under Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly (Collusive and Non-Collusive Models) – Walrasian Equilibrium – Existence, Stability and Uniqueness of Equilibrium-Recent Developments in Price Theory

MODULE-5: THEORY OF DISTRIBUTION AND WELFARE ECONOMICS

Marginal Productivity Theory of Distribution – Rent, Wages, Interest and Profit – Contribution of Marx, Kalecki and Kaldor - Value Judgments in Welfare Economics – Welfare ideas of Pigou, Pareto, K.J. Arrow and Amartya Sen - Social Welfare Function

BOOKS FOR REFERENCE

- William A. MeEachern (2008), ***Microeconomics: A Contemporary Introduction***, Southwest Cengage Learning Publication, Mason, USA.
- Andrew Schotter (2008), ***Microeconomics: A Modern Approach***, Southwest Cengage Learning Publication, Mason, USA.
- Chauhan. S.P.S (2009) ***Microeconomics: Theory and Applications***, PHI Learning Pvt. Ltd., New Delhi – 110001.
- Dwivedi (2008), ***Microeconomics: Theory and Applications*** (Second Edition), Dorling Kindersley (India) Pvt. Ltd.

FURTHER READINGS

- Kreps David. M. (1990), ***A Course in Microeconomic Theory***, Princeton University Press, Princeton
- Koutsoyinnis. A (1979), ***Modern Micro Economics***, Macmillan Press, London
- Sen Anindya (1999), ***Micro Economic Theory and Applications***, Oxford University Press, New Delhi.
- Baumol W.J. (1982), ***Economic Theory and Operations Analysis***, Prentice Hall of India, New Delhi.
- Hirshleifer J.A Glazer (1997), ***Price Theory and Applications***, Prentice Hall of India, New Delhi.
- Layard P.R.G and A.W. Walters (1978), ***Micro Economic Theory***, McGrew Hill, New York.
- Stigler G. (1996), ***Theory of Price*** (4th Edition), Prentice Hall of India, New Delhi.
- Varian. H. (2000), ***Micro Economic Analysis***, W.W. Norton, New York.

FURTHER READINGS

PAPER-1.2 (H): ECONOMICS OF GROWTH AND DEVELOPMENT

MODULE-1: DEVELOPMENT AND UNDER DEVELOPMENT: AN OVERVIEW

Economic Growth And Development - The world distribution of income- Development Gap and Income Inequality- Absolute and Relative Poverty- Concept of Economic Growth and Economic Development and Sustainable Development- Measures of Economic Development- Characteristics of Less Developed Countries(LDCs)

MODULE-2: THEORIES OF DEVELOPMENT

Classical Models –Smith, Ricardo, Malthus, - Karl Marx: Theory of Social Evolution – Surplus Value and Exploitation - the Marxian Dynamic Process- Internal Contradictions in Capitalism and the Socialism- Joseph Schumpeter: Process of Production- Dynamic Evolution of an Economy – Role of Innovations

MODULE-3: SOME GROWTH MODELS AND FACTORS AFFECTING ECONOMIC GROWTH

Harrod- Domar Model - Meade's Neo- Classical Model of Economic Growth- Solow Model of Long Run Growth – Joan Robinson's Model of Capital Accumulation - Human Resource Development (HRD) and Economic Development - Capital: Role of Capital in Economic Development – Determinants of Capital Formation – Technology: Technology and Development – Labour Intensive and Capital Intensive Technology - Choice of Technology – Non – Economic Factors and Economic Development

MODULE-4: APPROACHES TO DEVELOPMENT

Nurkse Model - Rosentein Rodan's Big Push Theory - Harvey Leibenstein's Critical Minimum Effort Thesis- Hrischman Model - Balanced and Unbalanced Growth – Theories of Dualism – Lewis Theory of Unlimited Supply of Labour – Gunnar Myrdal's Theory of Backwardness and Spread Effect - Rostow's Stages of Economic Growth

MODULE-5: SECTORAL ASPECTS & POLICY ISSUES

Problems of Agriculture in LDCs – Importance of Industry in Economic Development - Patterns of Industrialization in Developing Countries- Infrastructure and Economic Development – Trade and Economic Development – Prebisch and Singer Thesis- Resource Allocation in Developing Countries- Investment Criteria –Cost Benefit Analysis and Project Evaluation

BOOKS FOR REFERENCE

- Gerald. M. Meier, and Robert E. Baldwin,(1957) (Reprint in 1975), ***Economic Development- Theory, History ,Policy***, Asia Publishing House, Mumbai
- Gerald. M. Meier, James E. Rauch,(2005), ***Leading Issues in Economic Development***, (8th Edition) Oxford University Press, Oxford,
- Meier .G.M. (1995), ***Leading Issues in Economic Development*** (6th edition) Oxford University Press, New Delhi.
- Higgins Benjamin (1963), ***Economic Development, Principals, Problems and Policies***, Central Book Depot, Allahabad
- Kindleberger C.P. (1977), ***Economic Development*** (III edition) McGraw Hill New York.

FURTHER READINGS

- Adelman. I (1961), ***Theories of Economic Growth and Development***, Stanford Universities Press, Standford.
- Bose. A, (1975), ***Marxian and Post Marxian Political Economy***, Penuin London
- Chakrvarthy S (1982), ***Alternative Approaches to the Theory of Economic Growth***, Oxford University Press, New Delhi.
- Growth. S, (1986), ***An Introduction to Development Economics***, Allen and Unwin
- Little IMD (1982), ***Economic Development : Theory Policy and International Relations***, Basic Books, New York
- Schumpeter J.A., (1949), ***The Theory of Economic Development***, Harvard University Press, Cambridge.
- Bhagavathi J and Desai, (1970), ***India: Planning for Industrialization***, Oxford University Press, Oxford
- Jolly. R., (1973), ***Third World Employment***, Penguin, Oxford
- Sen.A.K. (1962), ***Choice of Techniques***, Basil Backwall, Oxford
- Sen A.K. (Employment, Technology and Development, Basil Backwell, Oxford
- Thrilwal (2000), ***Growth and Employment***, 6th edition, Affiliated East West Press, New Delhi.

PAPER-1.3(H) MATHEMATICAL METHODS FOR ECONOMISTS

MODULE-1: INTRODUCTION

Importance of Mathematical Methods in Economic Analysis-Review of some Elementary Mathematics like Number Systems, Sets-Algebraic Expressions Properties of Exponents, Constants, Variables, Co-efficient, Ratio Proportion Variation of some Functions, Demand and Supply Functions

MODULE-2: SYSTEM OF EQUATIONS AND IDENTITIES

Linear and Non-Linear Equations, Identities, System of Simultaneous Equations, Graphs of Equations, Market Equilibrium Effects of Specific and Sales Taxes on Equilibrium Price and Quantity. Pareto's Law of Distribution of Income – Product Transformation Curve

MODULE-3: DIFFERENTIAL CALCULUS

Concepts of a Function and Types, Limits, Continuity and Derivatives, Rules of Differentiation, Marginal Concept, Marginal Cost, Marginal Utility, Elasticity and Types, Differentiation and Applications- Problems of Maxima and Minima in Single Functions

MODULE-4: INTEGRAL CALCULUS

Concept of Integration, Indefinite Integration, Definite Integration, Rules of Indefinite and Definite Integration, Application to Consumer's Surplus and Producer's Surplus

MODULE-5: MATRIX ALGEBRA

Determinants of a Matrix, Matrix Operations, Special Types of Matrices-The Transpose of a Matrix, Determinants and their Basic Properties, Solution of Simultaneous Equations Through Cramer's Rule

BOOKS FOR REFERENCE

- Chiang.A.C.(2000), ***Introduction to Mathematical Economics***, McGraw Hill, New York.
- Barry Bressler, (2001), ***A Unified Introduction to Mathematical Economics***, McGraw Hill, New York.
- Monga.G.S (1972), ***Mathematical and Statistics for Economists***, Vikas Publishing House, New Delhi.
- Yogish.S.N. (2006), ***Mathematical Methods for Economists***, Mangal Deep Publications, Jaipur

FURTHER READINGS

- Veerachamy.R.(2002), ***Quantitative Methods for Economists***, Mangal Deep Publications, Jaipur
- J.Black and J.F.Bradley (1973), ***Essential Mathematics for Economists***, John Wiley and Sons, London.
- Edward.T.Dosling (1992), ***Introduction to Mathematical Economics***, Schaum's outline series Tara McGraw Hill, New Delhi.
- Yamane, Taro (1975), ***Mathematics of Economists***, Prentice Hall of India, New Delhi

PAPER-1.4 (S): FINANCIAL INSTITUTIONS AND MARKETS

MODULE-1: NATURE AND ROLE OF FINANCIAL SYSTEM

Money and Finance- Money and Near Money – the Structure of the Financial – System- Functions of the Financial Sector- Equilibrium in Financial Market- Financial System and Economic Development –Risk and Financial Assets- Types of Risks- Returns on Assets- Risk – Return Trade off - Valuation of Securities

MODULE-2: BANKING AND NBFIs

Commercial Banking – Functions - Credit Creation and its Control- Non Performing Assets - Priority Sector Advances - Central Bank Credit Control Measures - Development Banks – NBFIs and their Role and Functions- Insurance and Mutual Funds- Financial Sector Reforms in India- Recent Issues

MODULE-3: FINANCIAL MARKETS: MONEY MARKET & CAPITAL MARKET

Role and Structure of Money Market- Call Money Market- Treasury Bill Market- Commercial Bill Market Including Commercial Paper and Certificate of Deposits- Discount Market- Govt. Securities Market- Market for Derivatives- Forwards- Futures Options and Swaps - Structure of Capital Market - Stock Exchange Markets - Trading Regulations - SEBI – National Stock Exchange

MODULE-4: INTERNATIONAL FINANCIAL MARKETS

Foreign Exchange Rates - International Financial Flows- International Monetary Fund- International Liquidity- Leading Operation of World Bank and its Affiliates- Working of International Development Agency and International Finance Corporation- Growth of Regional Financial Institutions- Asian Development Bank and India- Euro-Dollar and Euro Currency Markets

BOOKS FOR REFERENCE

- Bholey L.M. (1999), ***Financial Institutions and Markets***, Tata McGraw Hill Co Ltd, New Delhi
- Bholey L.M.(2000), ***Indian Financial Systems***, Chugh Publications, Allahabad
- Edminister R.O (1986), ***Financial Institutions, Markets and Management***, Mc Graw Hill Co Ltd, New York
- Goldsmith R.W. (1969), ***Financial Structure and Development***, Yaley London
- Johnson H.J.(1993), ***Financial Institutions and Markets***, McGraw Hill Co Ltd, New York

FURTHER READINGS

- Khan Y.M. (1996), ***Indian Financial System***, Tata McGraw Hill Co Ltd, New Delhi
- Machiraju, M.R. (1999), ***Indian Financial System***, Vikas Publishing House, New Delhi
- Prasad. K.N. (2001), ***Development of India's Financial System***, Sarup and Sons, New Delhi
- Robinson, R. I and D Wrightman (1981), ***Financial Markets***, McGraw Hill, London
- Smith P.F (1978), ***Money and Financial Intermediaries***: The theory and Structure of Financial System. Practice Hall, Engle Wood – Cliff- New Jersey.

PAPER-1.5(S) ECONOMICS OF SOCIAL SECTOR

MODULE-1 : INTRODUCTION

Meaning and Importance of Social Sector: Components - Education, Health, Nutrition, Sanitation and Social Security Concept and Measurement of Human Development HDI and GDI

MODULE – 2: ECONOMICS OF EDUCATION

Education and an Instrument for Economic Growth: Demand for Education Private Demand and Social Demand - Determinants of Demand: Cost Benefit Analysis - Private Costs and Social Costs; Benefits of Education-Direct and Indirect Benefits - Private and Social Benefits - Educational Financing-Resource Mobilization and Utilization, Pricing and Subsidies

MODULE-3: EDUCATIONAL PLANNING AND DEVELOPMENT

Objectives of Educational Planning - Educational Planning and Economic Growth-Equity Considerations in Educational Planning - Economics of Educational Planning in Developing Countries with Special Emphasis on India Development of Education in India – Flagship Programmes – S.S.A

MODULE-4 : HEALTH ECONOMICS

Health Dimensions of Development - Determinants of Health – Poverty Malnutrition and Environmental Issues- Economic Dimensions - Demand and Supply of Health Care - Financing of Health Care- The Concept of Human Life Value- Health Care, Inequalities in Health Delivery Systems in India - Public and Private Expenditure on Health in India - Nutrition and Food Security in India

BOOKS FOR REFERENCE

- McMahon Walter. W. (2002), ***Education and Development: Measuring the Social Benefits***, Oxford University Press, Oxford.
- Tilak, J.B.G, (1994), ***Education for Development***, Sage Publications, New Delhi.
- Woodhall.M. (1992), ***Cost- Benefit Analysis in Educational Planning***. UNESCO, Paris
- Baru, R.U(1998), ***Private Health Care in India; Social Characteristics and Trends*** ,Sage Publications, New Delhi.
- Panchamukhi.P.R (1980): ***Economics of Health: A Trend Report in ICSSR's A Survey of Research in Economics***, Vol. VI., Infrastructure Allied Publishers, New Delhi

FURTHER READINGS

- World Bank (1993), ***The World Development Report 1993: Inversing in Health***, Oxford University Press, New York
- Jandhyala.B.G. Tilak (1987), ***The Economics of Inequality in Education***, Sage Publishers, New Delhi
- Ghosh S.Ch.(1976), ***Educational Strategies Developing Countries***, Sterling Publishers Pvt. Ltd. New Delhi
- V.K.R.V. Rao (1966), ***Education and Human Resources Development***, Allied Publishers, New Delhi
- Berman.P. (Ed.) (1995), ***Health Sector Reform in Developing Countries: Making Health Development Sustainable***, Harvard Series on Population and International Health, Boston,
- Blaug.M.(Ed.) (1972), ***Introduction to Economics of Education***, Pergamum Press, London.
- Cohn.E. and T.Gaske (1989), ***Economics of Education***, Pergamum Press, London
- Klarman.H.E. (1965), ***The Economics of Health***, Columbia University Press, New York.
- Schultz.T.W.(1971), ***Investment in Human Capital***, Free Press, New York.

PAPER- 2.1 (H): PUBLIC ECONOMICS

MODULE – 1: INTRODUCTION

Economic Functions of a Modern State – Role of Government in a Liberalizing Economy as an Agent of Development and Economic Planning – Public Goods and Merit Goods – Market Failure – Forms and Need for State Intervention – Efficiency in Public Goods Provision

MODULE – 2: THEORY OF PUBLIC CHOICE

Public Mechanisms for Resources Allocation Voting and Public Choice – Voluntary Exchange Model – Problems of Preference Revelation and Aggregation of Preferences – Demand Revealing Methods – Contributions of Clarke, Groves and Leyard – Tibout Model – Theory of Club Goods – Arrow's Impossibility Theorem - Economic Bureaucracy – Rent Seeking and Directly Unproductive Profit Seeking Activities

MODULE – 3: PUBLIC EXPENDITURE AND TAXATION

- A) Wagner's Law of Increasing State Activities – Wiseman – Peacock Hypothesis – Pure Theory of Public Expenditure – Structure and Growth of Public Expenditure – Criteria for Public Investment - Social Cost Benefit Analysis – Project Evaluation – Estimation of Cost – Discount Rate – Reforms in Expenditure Budgeting – Programme Budgeting and Zero Base Budgeting
- B) Theory of Incidence – Alternative Concepts of Incidence – Allocative and Equity Aspects of Individual Taxes – Benefit and Ability to Pay Approaches – Theory of Optimal Taxation – Excess Burden of Taxes – Trade off Between Equity and Efficiency – Theory of Measurement of Dead Weight Losses – The Problem of Double Taxation

MODULE – 4: PUBLIC DEBT AND FISCAL POLICY

- A) Public Debt – Burden Controversy – Structure – Consumption and Growth of Internal Debt and External Debt – Principles of Debt Management
- B) Objectives of Fiscal Policy – Interdependence of Fiscal and Monetary Policies – Budgetary Deficits and Its Implications – Fiscal Policy for Stabilization – Automatic Vs Discretionary Stabilization – Balanced Budget Multiplier

MODULE – 5: FISCAL FEDERALISM

Principles of Multi-unit Finance – Fiscal Federalism in India – Vertical and Horizontal Imbalance – Assignment of Function and Sources of Revenue – Constitutional Provisions – Finance Commission and Planning Commission – Devolution of Resources and Grants – Resource Transfer from Union to States – Criteria for Transfer of Resources – Center–State Financial Relations in India – Problems of States’ Resources and Indebtedness – Transfer of Resources from Union and States to Local Bodies

BOOKS FOR REFERENCE

- David N. Hyuan (2005), *Public Finance: A Contemporary Application of Theory*, Thousom South Western, Ohio, USA
- Musgrave. R.A. (1959), *The Theory of Public Finance*, McGraw Hill, Kogakhusa, Tokio
- Anderson. John E (2003), *Public Finance: Principles and Policy*, Houghton Mifflin Company, Boston
- Stiglitz J.E (1986), *Economics of Public Sector*, Norton, New York
- Vebrich Holly (2003), *Public Finance- In Theory and Practice*, Thomson South Western Ohio, USA

FURTHER READINGS

- Atkinson A.B. and J.E. Stiglitz (1980), *Lectures on Public Economics*, Tata McGraw Hill, New York
- Bernand P. Herber (1994), *Modern Public Finance*, (5th Edition), Aitbs Publishers, East Delhi, Gurgaon
- Challiah R. et.al. (1996), *Trends and Issues in India’s Federal Finance*, Allied Publishers Private.Ltd. CRISIL (The Credit Rating Information Services of India Ltd.), Princep Street, Kolkata
- Govinda Rao. H and Tapas K. Sen (1996), *Fiscal Federalism in India: Theory and Practice*, Mac Milan Ltd., 2/10 Ansari Road, Daryaganj, New Delhi -110002 India.
- Hugh Dalton (1922), *Principles of Public Finance*, Routledge, 11 New Fetter Lane, London EC4P 4EE

PAPER- 2.2 (H): STATISTICAL METHODS FOR ECONOMISTS

MODULE – 1: COLLECTION OF DATA AND SAMPLING

Meaning and Scope of Statistics - Primary and Secondary Data - Direct Personal Information - Indirect Oral Interview - Information Through Agencies - Mailed Questionnaires - Schedules Sent Through Enumerators - Sources of Secondary Data - Precautions in the Use of Secondary Data - Framing a Questionnaire- Basic Concepts of Sampling - Sampling Techniques

MODULE-2: CLASSIFICATION AND TABULATION

Meaning of Classification, Characteristics of Classification, Types of Classification, Geographical Classification - Chronological Classification- Qualitative Classification – Quantitative Classification- Statistical Series - Types of Series – Frequency Distribution - Individual Observation- Discrete Frequency Distribution – Continuous of Grouped Frequency Distribution - Magnitude of Class Intervals, Cumulative Frequency Distribution - Two – way Frequency Distribution - Tabulation of Data – Meaning and Objects - Difference Between Classification and Tabulation - Parts of Tabulation - Structure of Tabulation - Rules for Tabulation - Types of Tables on the Basis of Originality on the Basis of Objective (Purpose)

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Measures of Central Tendency - Measures of Dispersion - Correlation- Regression Analysis - Time Series Analysis – Probability, Elementary Concept of Probability, Random Variable, Expectation of Random Variables, Mean and Variance of Variable in Terms of Expectation and Its Applications

MODULE-4: INDEX NUMBERS

Index Numbers – Problems in the Construction of Index Numbers - Laspeyres Paaches’s and Fisher’s Ideal Index Numbers - Wholesale Price Index Numbers and Cost of Living Index Numbers

MODULE-5: STATISTICAL HYPOTHESIS

Formulation of Statistical Hypothesis – Simple and Alternative Hypotheses – Type I and Type II Errors – Level of Significance – Illustration Suitable Examples from Economics – Some Statistical Tests of Significance – Z, t, F and X^2 Tests and their Applications

BOOKS FOR REFERENCE

- Gupta. S.C. (1982), ***Fundamentals of Statistics***, Himalaya Publishing House Private Limited, 'Ramdoot', Dr. Bhalerao Marg, Girgaon, Mumbai-400 004
- Gupta.S.P. (1983), ***Statistical Methods***, S.Chand and Company, New Delhi
- Gupta.B.N. (1992), ***Statistics Theory and Practice***, Sahithya Bhavan, Agra
- Yogish.S.N. (2008), *Statistical Methods for Economists*, Mangala Deep Publication, Jaipur

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- Gupta.S.P. and Gupta.M.P. (2004), ***Business Statistics***, Sultan Chand and Sons, Educational Publishers, New Delhi
- Goom.A.M and Gupta.M.K (1975), ***Fundamentals of Statistics***, The world Press Ltd. Kolkata
- Elhance D.N. et.al (1996), ***Fundamentals of Statistics***, Kitab Mahal, Allahabad

PAPER – 2.3(S): MATHEMATICAL ECONOMICS

MODULE-1: THEORY OF CONSUMER CHOICE

The Problem Facing the Consumer - Marshallian Cardinal Utility Approach- Hicks Ordinal Utility Approach - Consumer Equilibrium Demand Functions- Substitution and Income Effects - Shortcomings of Ordinal Utility Theory- Revealed Preference Theory- Uncertainty and Consumer Choice

MODULE-2: THEORY OF THE FIRM AND ITS DECISIONS

The Firm: Production and Loss Minimizing Costs for any Level of Production – Production Function Approach – Profit Maximization: Costs - Modern Approach – Cost Functions and Profit Maximization in the Long Run – The Multiple Plant Firm – Multiple Product Firm - The Profit Maximization Hypothesis – Production Functions for an Entire Industry

MODULE-3: MONOPOLY AND OLIGOPOLY EQUILIBRIUM

Monopoly and Profit Maximization – Monopoly Profit Maximization Using Production Functions – Monopoly and Price Discrimination – The Multiple – Point Monopolist - the Multiple Product Monopolist – Taxing the Monopolist – Monopoly and Revenue Maximization - Oligopoly – Profit Maximization Under Oligopoly , Assuming Dominant Firm Leadership- Profit Maximization Under Oligopoly, Assuming Fixed Market Shares

MODULE-4: MARKET EQUILIBRIUM

Competitive Market Equilibrium - Single Market Equilibrium - Marshallian and Walrasian Equilibrium Conditions - Lagged Market Equilibrium – General Equilibrium Systems of Walras and Debreu Conditions of Stability of Equilibrium

BOOKS FOR REFERENCE

- Allen. R.GD (1976), **Mathematical Economics**, Macmillan Publishing House, London
- Chiang.A.C.(2000), **Introduction to Mathematical Economics**, McGraw Hill, New York.
- Monga.G.S (1972), **Mathematical and Statistics for Economists**, Vikas Publishing House, New Delhi.
- Yogish.S.N. (2006), **Mathematical Methods for Economists**, Mangal Deep Publications, Jaipur

FURTHER READINGS

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- Edward.T.Dosling (1992), **Introduction to Mathematical Economics**, Schaum's outline series Tara McGraw Hill, New Delhi.
- Yamane, Taro (1975), **Mathematics of Economists**, Prentice Hall of India, new Delhi

PAPER – 2.4 (S): AGRICULTURAL ECONOMICS

MODULE-1: INTRODUCTION TO AGRICULTURAL ECONOMICS

Nature and Scope of Agricultural Economics- Traditional Agriculture and its Modernization – Role of Agriculture in Economic Development – Interdependence between Agriculture and Industry-Agrarian Structure-Factors shaping Agrarian Structure

MODULE-2: THEORIES OF AGRICULTURAL PRODUCTION

Production Function in Agriculture – Production Relationships in Agriculture-Factor-Product Relationship – Factor- Factor Relationship, Product- Product Relationship – Resources use Efficiency – Cobb-Douglas Production Function and its relevance in Agriculture-Farm size and Productivity Relationship-Technical Change and Labour Absorption

MODULE-3: LAND, RURAL LABOUR AND RURAL FINANCE

Land Tenure and Farming Systems- Land Reform Measures and Performance in India- Contract Farming - Rural Labour Supply – Nature, Extent and Trends in Rural Unemployment – Agricultural Wages in India – Non-Agricultural Rural Employment- Demand for and Supply of Rural Credit – Institutional and Non- Institutional Agencies Supplying Rural Credit-Institutional agencies: Co-operatives, Commercial Banks, Regional Rural Banks (Grameena Banks), SHGs and Role of NABARD- Financial Inclusion for Agricultural Development

MODULE-4: AGRICULTURAL MARKETING AND INFRASTRUCTURE

Marketable and Marketed Surplus- Meaning and Functions of Agricultural Marketing - Problems of Agricultural Marketing – Regulated Markets, Co-operative Markets – Nature of Demand for and Supply of Agricultural Products – Behaviour of Agricultural Prices – Cobweb Theory – Terms of Trade in Agriculture and Industry – Agricultural Price Policy – WTO and Indian Agriculture- Rural Infrastructure – Capital Formation in Indian Agriculture – Sustainable Agriculture

BOOKS FOR REFERENCE

- Sadhu and Singh (1985), ***Fundamentals of Agricultural Economics***, Himalaya Publishing House, Mumbai
- Srivatsava O.S. (1987), ***Theoretical Issues of Agricultural Economics***, Allied Publishers Pvt. Ltd. Delhi.
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- Sen A.K (1980), ***Levels of Poverty, Policy and Change***, World Bank, Washington D.C

PAPER-2.5 (S): ECONOMIC PLANNING

MODULE-1: INTRODUCTION TO PLANNING

Meaning and Importance of Economic Planning-Distinction between Planned and Market Economies-Need for Planning in a Globalized Economy - Techniques of Planning - Various steps in Aggregate Planning-Input-Output Analysis-Linear Programming-Cost Benefit Analysis and Project Evaluation-Choice of Techniques

MODULE-2: PLANNING IN INDIA

The Emergence of Planning in India-Goals and Strategies of Indian Planning-Mahalanobis Model and Vakil and Brahmananda's Wage-Goods Model - Instruments of Planning: Direct and Indirect Controls-A Brief Resume of Five Year Plans in India with Emphasis on Recent Five Year Plan - Planning Machinery at the Centre, State and Local levels-Problems of Plan Implementation

MODULE -3: MOBILISATION AND ALLOCATION OF RESOURCES FOR THE PLANS

Methods and Sources of Resource Mobilization: Their Merits and Demerits-Pattern of Financing Under Five Year Planning – Allocation among Various Sectors - A critical Appraisal of the Resource Mobilization and Allocation Methods

MODULE-4: SECTORAL PLANNING

Need for Sectoral Planning-Strategy, Progress and Appraisal of Agricultural and Industrial Development under Plans-Poverty and Planning-Unemployment in India- (Human Resource Development) HRD and Population Policy-Regional Imbalance-Planning for Infrastructure Development in the Indian Economy

BOOKS FOR REFERENCE

- Agarwal A.N. and Kundanlal (1999), ***Economics of Development and Planning***, Vikas Publishing House, New Delhi
- Seth.M.L. and S.P. Singh (1998), ***Economic Planning: Theory and Practice***, S.Chand and Company Ltd., Ram Nagar, New Delhi
- Dhingra.I.C. and V.K.Garg (2000), ***Economic Development and Planning in India***, Sulthan Chand Publications, New Delhi

FURTHER READINGS

- Mishra S.K. and Puri V.K (2008), 26th Edition, ***Indian Economy***, Himalaya Publishing House Pvt. Ltd., Mumbai-400 004 and Latest Editions can be referred
- Desai and Bhale Rao (1986), ***Economic Planning and Policy***, Himalaya Publishing House, Mumbai
- Madan Mohan Batra (1987), ***Planning in India: development perspective towards the 21st century***, V.K. Publishing House, Mysore
- Misra and Puri (1999), ***Development and Planning Theory and Practice***, Himalaya Publishing House, Mumbai

PAPER – 2.6 (S): KARNATAKA ECONOMY

MODULE-1: INTRODUCTION TO KARNATAKA ECONOMY

Karnataka in the Indian Economy - Trends in Development –Growth of State Income and Per Capita Income - Structure of SDP - Role of Agriculture in Karnataka Economy - Land Use Pattern in Karnataka - Trends in Area, Production, Yield of Major Crops - Regional Pattern of Agricultural Production - Industrial Economy of Karnataka - Trends in the Development of Major, Medium and Small Scale Industries - Rural Industrialization –Village and Cottage Industries - Growth of I.T & BT Sectors - Their Contribution - Regional Pattern of Industrial Development - Industrial Policy

MODULE-2: DEVELOPMENT OF INFRASTRUCTURE

Irrigation Development – Power, Hydel and Thermal- Non Conventional Sources- Transportation and Communication – Marketing and Ware Housing Facilities- Education and Health Facility in Karnataka-Sources of Finances for Developmental Activities- Institutional Sources of Finance- Structure and Organization-Government, Co- Operatives, Commercial Banks and Regional Rural Banks (Grameena Banks) -Growth of ICT Services Sector and ITES

MODULE -3: STATE FINANCES OF KARNATAKA

Issues in State Finances: Fiscal Deficit, Revenue Deficit and Primary Deficit Trends in Tax Revenue and Non-Tax Revenue, Sharing of Central Taxes and Grants-in-Aid - Trends in Developmental Expenditure and Non-Developmental Expenditure - State's Indebtedness- Role of State Finance Commission – State-Local (Urban Local Bodies and Panchayath Raj Institutions) Relations – Structure and Functioning of Decentralization in Karnataka

MODULE 4: POVERTY, UNEMPLOYMENT AND REGIONAL DISPARITIES IN KARNATAKA

Concept of Poverty- Causes and Magnitude – Approach to Poverty Alleviation – Magnitude and Type of Unemployment – Measures to Reduce Unemployment – Anti-Poverty Programs and Employment Programmes – an Evaluation - Anti – Poverty Programmes in Karnataka with reference to Public Distribution System and Employment - Recommendations of High-Power Committee for Redressal of Regional Imbalances (HPCRRRI) - Policy Measures

BOOKS FOR REFERENCE

- MVS Gowda, and D.T. Nanje Gowda (Eds) (1999), ***Economic Development of Karnataka- Leading Issues***, (Papers presented at 81st Annual Conference of the IEA, held in Bangalore) Contact: Department of Economics, Bangalore University, Bangalore
- Nanjundappa, D.M. and Raj Kishore Sinha (India, Planning Commission) (1982), ***Backward area development: problems & prospects***, Sterling Publication, New Delhi
- Madaiah M and Ramapriya (1988) ***Karnataka Economy***, Himalaya Publishing House, Girgaon, Mumbai
- Puttaswamaiah. K. (1980), ***Economic Development of Karnataka: a treatise in continuity and change***, Volume, 1&2, Oxford & IBH, 66 Janpath , New Delhi, 110001

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- Planning Commission, GOI ((2007), ***Karnataka Development Report***, Academic Foundation, 477 2- 73/23, Bhart Ram Road, Darya Ganj, New Delhi-110 002
- Government of Karnataka, ***Economic Survey***, Latest and Old Issues
- Government of Karnataka, ***Human Development in Karnataka***

PAPER – 2.7 (E): ECONOMICS OF INFRASTRUCTURE

MODULE -1: INTRODUCTION

Infrastructure: Concept and Salient Features of Infrastructure – Classification of Infrastructure – Infrastructure and Economic Development – Infrastructure Development Policy – Role of Government

MODULE -2: ECONOMIC INFRASTRUCTURE

Structure of Transport – Demand for Transport – Principle of Pricing – Inter-Modal Condition in the Indian Situation – Rural - Urban Transport Planning – Communication: Concept, Significance and Role of Communication in Development - Electricity: Significance and Pricing – Thermal, Hydel and Nuclear Power Plants – National Power Grid- Irrigation – Investment and Measurement of Benefits –Social Rate of Return on Investment –Energy Economy Linkages – Demand for and Supply of Energy Pricing – Energy Crisis – Private Participation – Energy Policy

MODULE -3: SOCIAL INFRASTRUCTURE – EDUCATION AND HEALTH

Role of Education in Development – Development of Primary, Secondary and Higher Education in India – Sarva Shishksha Abhiyan – Health Dimensions of Development – Financing of Health Care – Health Inequalities –Health Security and Health Care Delivery System in India – Evaluation of National Rural Health Mission

BOOKS FOR REFERENCE

- Crew M.A & P.R Kleindrofer (1979), **Public Utility Economics** , McMillan, London
- Indian Council of Social Sciences Research (1976), **Economics of Infrastructure**, Vol. 6, New Delhi.
- National Council of Applied Economic Research (1988) **India Infrastructure Report : Policy Implications for Growth & Welfare**, New Delhi
- Bhat, Jayarama B. (ed.) (2008), **Infrastructure Development in India**, Published by the Author, Dos in Economics, Kuvempu University, Shankaraghatt-577 451, Shivamogga District

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- Parikh K.S (ed.) (1997), **India Development Report**, Oxford, New Delhi.
- Parikh K.S (ed.) (2000), **India Development Report**, Oxford, New Delhi.
- **World Bank Staff Working Papers on Infrastructure**
- **India Infrastructure Report**, by IGIDR, IIM & IIT

PAPER-2.8(E): RESOURCE ECONOMICS

MODULE -1: INTRODUCTION

Nature and Scope of Resource Economics - Interface Between Natural Resources and Economic Development - Classification of Natural Resources – Exhaustible and Non-Exhaustible - Depletion of Natural Resources - Indicators of Natural Resource Scarcity - Externalities and Market Inefficiency - Sustainable Development

MODULE -2: ECONOMICS OF NATURAL RESOURCES

Theories of Exhaustible Resources- Hotelling's Theory of Exhaustible Resources – The Theory of Optimum Utilization – Theories of Renewable Resources – Hardin's Tragedy of Commons – The Theory of Optimum Use – Management of Common Property and Transnational/Global Commons – Management of Renewable and Non-Renewal Resources

MODULE -3: MECHANISM FOR RESOURCE REGULATION

Environmental Laws and their Implementation – Peoples' Participation in Conserving and Managing Common Property Resources - Water and Forest Management- Institutions of Joint Forest Management and Joint Protected Area Management – Social Forestry – Rationale and Benefits – Forms of Government Intervention in Environment Management

BOOKS FOR REFERENCE

- Henk Folmer.H. Landis Gabel and Hans Opschoor (Ed) (1997), ***Principles of Environmental and Resource Economics***, Edward Elgar Publishing Ltd., UK
- Hussen A.M (1999), ***Principles of Environmental Economics***, Routledge, London
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- Kolstad C.D(1999), ***Environmental Economics***, Oxford University Press, New Delhi
- Pearce, D.W. and R. Turner, (1991), ***Economics and Natural Resource Use and Environment***, John Hopkins University Press, Baltimore

PAPER 2.9 (E): WORLD TRADE ORGANIZATION

MODULE-1: INTRODUCTION

GATT Rounds of Negotiations- Emergence of WTO- Structure – Objectives- Functions – Dispute Settlement Mechanism

MODULE-2: WORLD TRADE AGREEMENTS

TRIPs- TRIMs – GATS- Agreement on Agriculture- Textiles and Clothing- Dumping- Subsidies- Safeguards

MODULE -3: WTO MINISTERIAL ROUNDS

Singapore (1996)- Geneva (1998)- Seattle (1999) Doha (2001)- Cancun (2003)- Hong Kong (2005) – Potsdam (2007) Geneva (2008) – the Subsequent Rounds – Implications on Indian Economy

BOOKS FOR REFERENCES

- N.S. Bansal (2007), ***The World Trade Organization***, Mittal Publication, New Delhi – 110002, India.
- K.R. Gupta (2008), ***A Study of World Trade Organisation*** (Second Revised Edition) , Atlantic Publishers and Distributers (P) Ltd., New Delhi -110027
- Bhagirath Lal Das (1999-(I print), 2000 II print)), ***The World Trade Organisation: A Guide to the Framework for International Trade***, Published by Zed Books Ltd., London, New York.
- Myneni S.R. (2003), 2nd Edition, ***World Trade Organisation*** (WTO), Asia Law House Publishers and Distributers, Opp: IOB, Bank Street, Kothi, Hyderabad
- Pradeep S. Mehta (2002), ***WTO and India : An Agenda for Action in Post Doha Scenario***, CUTS Center for International Trade, Economics and Environment, D-217, Bhaskar Marg, Bani Park, Jaipur-302 016,India

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- Arun Goyal and Noor Mohd (2001), ***WTO in the New Millennium***, Academy of Business Studies, New Delhi.
- ***World Trade Organization*** Web Site www.wto.org
- Anne O. Krueger (Edl.) (1998), ***The WTO as an International Organization***, Oxford University Press, New Delhi.
- Jagdish N. Bhagwati, Arvind Panagariya, and T.N. Srinivasan (1998), ***Lectures on International Trade***, Oxford University Press, New Delhi

PAPER –3.1 (H): MACRO ECONOMIC ANALYSIS

MODULE-1: INTRODUCTION AND MEASUREMENT

Central Questions in Macroeconomics – Approaches (Schools) to Macroeconomic Analysis – Measurement of Macroeconomic Variables – The National Income Accounts – Concepts and Identities – Measuring Price Changes – Understanding Trends in National Income – Green Accounting – National Income and Quality of Life

MODULE-2: MACRO ECONOMIC MODELS

The Classical System: Implications and Relevance – The Keynesian System: The Role of Aggregate Demand – Components – Consumption Function- Alternative Theories of Consumption Behaviour – Linear and Non-Linear Consumption Function – Implications – Investment Function: Determinants - MEC and Capital Accumulation – Accelerator and Investment Behaviour – Monetarist and Keynesian Controversy

MODULE-3: NEW CLASSICAL MODELS

Concepts – Rational Expectations Theory – Policy Conclusions – Short run Fluctuations (New Keynesian Economics) - Sticky Wage – Price Models – Policy Issues – The IS-LM Curve Model – Money Market Equilibrium: The LM Curve- Product Market Equilibrium: The IS Curve- The IS-LM Curves combined

MODULE- 4: THEORY OF INFLATION

Classical, Keynesian, Monetarist and New Classical Approaches to Inflation- Philips Curve – Short Run and Long Run Trade-off- The Stabilization Policies – Instruments and Mechanism – Limitations

MODULE-5: OPEN ECONOMY MACRO ECONOMICS

Concepts and Identities – Mundell Fleming Model – Role of Interest and Exchange Rate – Simultaneous Equilibrium and Automatic Adjustment – Monetary and Fiscal Policy in an Open Economy

BOOKS FOR REFERENCE

- Mankiw, N.G. (1994), **Macroeconomics**, (2nd Edition.), Worth Publisher, New York
- Ackley, G., (1978), **Macroeconomic: Theory and Policy**, Macmillan, New York ,
- Shapiro, E., (1996), **Macroeconomic Analysis**, Galgotia Publications, New Delhi
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- Romer, D.L., (1996), **Advanced Macroeconomics**, McGraw Hill Publishing Company Ltd. New Delhi,
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- Robert Barro (2008), **Macro Economics- A Modern Approach**, Thomson Higher Education, 5191, Natorp Boulevard, Mason, OH 45040, USA

PAPER –3.2 (H): COMPUTER APPLICATIONS IN ECONOMIC ANALYSIS

MODULE-1: INTRODUCTION TO COMPUTERS AND PERIPHERALS

Basic Components of Computer – CPU – Input Output Devices: Keyboard, Mouse, and Scanner, Video Display, Printers and Plotters, Data Storage and their Applications – Computer networking – Hardware –Software and Firmware

MODULE-2: DATA PROCESSING TECHNIQUES AND ALGORITHMS

Concept of Data- Record and File – Types of Data and Data Structure, Data Analysis – File Handling and Operations – like Operating - Data Storage and Retrieval – Data Operations – Algorithms – Data base – DBMS and RDMS

MODULE-3: STATISTICAL PROCESSING TECHNIQUES AND METHODS

Series – Groups – Tables – Graphs – and Objectives - Time and Frequency Series – Regression Methods / Techniques – Regression Analysis – Data Validation – Trends and Cyclist – Forecasting System Modeling and Description – Error and Correction Strategies – Statistical Modeling and Descriptive Statistics – Distribution Function – Regression Statistics

MODULE -4: REVIEW OF MULTIVARIATE MODELS

Estimation of Recursive and Simultaneous Equations Models – Analysis of Qualitative Data – ANOVA – ANCOVA etc. – Multivariate Statistical Analysis – Multiple Correlation and Multiple Regression

MODULE – 5: FACTOR ANALYSIS

Cluster Analysis – Discriminate Analysis - Application of Excel – SPSS and LIMDEP for Statistical and Econometric Analysis – Database in Indian Economy – Census – Central Statistical Organization (CSO) – National Sample Survey Organisation (NSSO) – Centre for Monitoring Indian Economy (CMIE)

BOOKS FOR REFERENCE

- Rajasekaran, S. (1986), ***Numerical Methods in Science and Engineering***, A. H. Wheeler , Allahabad
- Sanders D.H (1988) *Computer Today*, McGraw Hill (3rd Edition), New York
- Sinha P.K. (1992), ***Computer Fundamentals*** , BPB Publications, New Delhi

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- Rajaraman, V. (1996), ***Fundamentals of Computers***, Prentice Hall of India, New Delhi
- Lipschultz, M.M and S. Lipschultz (1982), ***Theory and Problems of Data Processing***, Schaum's Outline Series, McGraw Hill,, New York
- Intrilligator, M.D (1978), ***Econometric Models, Econometrics and Applications***, Prentice Hall. Hanglowood Cliffs,
- Wood, M.B. (1983), ***Introducing Computer Security***, Broadman Associates, New Delhi

PAPER – 3.3(S): ENVIRONMENTAL ECONOMICS

MODULE-1: INTRODUCTION

Nature and Scope of Environmental Economics – Environment and Development – Sustainable Development – Strategic Imperatives for Sustainable Development – Measuring Sustainable Development – Economic Approach and Ecological Approach – Environmental Kuznet's Curve – Environmental Accounting – System of National Account (SNA) – Integrated Environmental and Economic Accounting (IEEA)

MODULE-2: THEORIES OF ENVIRONMENTAL ECONOMICS

Pareto Optimality and Competitive Equilibrium – Fundamental Theorems of Welfare Economics – Externalities and Market Inefficiency – Divergence Between Social Cost and Private cost – Technological Externalities – Consumption and Production Externalities – Pecuniary Externalities – Reciprocal – Unidirectional Externalities – Internalization of Externalities

MODULE-3: MEASUREMENT OF ENVIRONMENTAL VALUES AND ENVIRONMENTAL PROBLEMS

Benefit-Cost Analysis (BCA) Valuation of Environment – Travel Cost Method (TCM) – Hedonic Price Method (HPM) – Household Production Function Method (HPM) – Contingent Valuation Method (CVM) Environmental Pollution – Types of Pollution, Issues, Problems, Remedies – Deforestation and Environmental Degradation

MODULE-4: ECONOMICS OF NATURAL RESOURCE MANAGEMENT

Classification of Natural Resources – Theories of Exhaustible Resources – Hotelling's Theory of Exhaustible Resources – the Theory of Optimum Utilization – Theories of Renewable Resources – Hardin's the Tragedy of Commons – The Theory of Optimum Use – Management of Common Property and Transnational/Global Commons – Renewable and Non – Renewable Energy Resources – Population and Environment

BOOKS FOR REFERENCE

- Charles D. Kolstad (2000), ***Environmental Economics***, (Volume 1), Oxford University Press, New Delhi
- David Burningham, John Davies, Susan Grant, (2004), ***Environmental Economics-Studies in economics and business***, (3rd Edition), Heinemann Education Publishers, Halley Court, Jordan Hill, Oxford OX2 8EJ, Port of Harcourt Education
- Barry C. Field, Martha K. Field (2008), ***Environmental Economics***, McGraw-Hill Irwin
- Charles D. Kolstad (2010), ***Environmental Economics***, Oxford University Press, New Delhi
- Nick Hanley, Colin J. Roberts (2002), ***Issues in environmental economics*** , (Ed.), Blackwell Publishers Ltd. UK
- Nick Hanley, Jason F. Shogren, Ben White (2008), ***Environmental economics in theory and practice***, Palgrave Macmillan Publisher

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- Karpagam M. (2007), ***Environmental Economics*** (5th revised Edition), Sterling Publishers, New Delhi
- Katar Singh and Anil Shishodia (2007), ***Environmental Economics : Theory and Application***, SAGE Publications, New Delhi

PAPER – 3.4(S): DEMOGRAPHY

MODULE-1: INTRODUCTION

Meaning and Scope of Demography – Population Studies and Demography – Relation with other Disciplines- Size, Composition and Distribution of Population - Demographic Data Base in India: Census, Civil Registration System and Sampling Surveys

MODULE -2: THEORIES OF POPULATION

An overview of Pre-Malthusian Theories – Malthusian Theory- Post Malthusian Theories-Marx ideas on Population- Optimum Theory of Population – Theory of Demographic Transition

MODULE-3: FERTILITY, MORTALITY AND MIGRATION

Fertility- Differential Fertility- Measurement of Fertility – Factors Influencing Fertility - Fertility levels and Trends in Developed and Developing Countries - Fertility in India – Mortality –Measurement of Mortality – Mortality levels and Trends in Developed and Developing Countries - Declining Trends in Fertility and Mortality – the Reasons - Infant Mortality – Life Table - Migration – Concept and Types- Factors Affecting Migration – Theories of Migration

MODULE-4: STRUCTURE OF POPULATION AND POPULATION POLICY

Population Trends in 20th Century- Population Explosion - Age and Sex Structure – Urbanization - Rural – Urban Population - Measures to Reduce Excessive Urbanization- Population Projection, Population - Development – Environment Linkages - Population Policy – Meaning and Importance- Population Policy in India

BOOKS FOR REFERENCE

- Agarwal S.N (1972), ***India's Population Problem***, Tata McGraw-Hill Co, Mumbai
- Bose.A. (1996), ***India's Basic Demographic Statistics***, B.R. Publishing Corporation, New Delhi
- Bogue. D.J. (1971), ***Principles of Demography***, John Wiley, New York
- Chenery. H. and T.N. Srinivasan (Eds.) (1989), ***Hand Book of Development Economics***, Vol.I and II, Elseview, Amsterdam
- Choubey. P.K. (2000), ***Population Policy in India***, Kanishka Publications, New Delhi

FURTHER READINGS

- Cocle.A.J and E.M. Hoor (1958), ***Population Growth and Economic Development in Low Income Countries: A Study in India's Prospects***, Princeton University Press, Princeton
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- United Nations (1973), ***The Determinants and Consequence of Population Trends***, Vol.I, UNO Publications , New Delhi

PAPER – 3.5 (S): RESEARCH METHODOLOGY

MODULE -1: INTRODUCTION

Meaning and Importance of Research – Research and Theory; Theoretical Models - Social Science Vs Natural Science Research – Scientific Method – Limitations – Review of Literature – Research Proposal

MODULE -2: RESEARCH DESIGN

Meaning of Research Design-Statement of Research Problem – Objectives, Scope and Time-Period of Study – Formulation of Hypotheses – Methodology – Types and Method of Collection of Data - Types of Research - Explorative, Experimental, Analytical, Case Studies

MODULE – 3: STATISTICAL TECHNIQUES FOR ANALYSIS OF DATA

Sampling Techniques – Probability and Non- Probability Sampling – Testing of Hypothesis - ‘t’ Test Chi² Test, F Test – Application in Economic Analysis

MODULE – 4: RESEARCH REPORT

Meaning, Purpose and Functions of a Research Report –Outline of a Research Report, Title Page, Table of Contents, Summary, Introduction, Findings, Limitations, Conclusions and Recommendations, Appendices, Guidelines for Writing the Research Report, Criteria Used for Writing the Research Report, Criteria Used for Judging the Suitability of Report for Publication.

BOOKS FOR REFERENCE

- Catherine Dawson (2010), ***Introduction to Research Methods, A Practical Guide for Anyone Undertaking a Research Project***, 4th Edition, Viva Books Pvt. Ltd., 4737/23, Ansari Road, New Delhi-110 002
- C R Kothari (2008), ***Research Methodology: Methods and Techniques***, New Age International, Ansari Road, Darya Ganj, New Delhi-110 002, INDIA
- B. C. Tandon (2007), ***Research Methodology in Social Sciences***, (2nd Edition) Chaitanya Pub. House, 1979
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- Gosh.B.N (1985), ***Scientific Methods and Social Research***, Sterling Publication, New Delhi,
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- Donald R. Cooper (2006), ***Business Research Methods***, TATA McGraw-Hill Education, Noida, UP – 201301, India

**PAPER- 3.6(S): MANAGERIAL ECONOMICS
(Compulsory)**

MODULE-1: NATURE AND SCOPE OF MANAGERIAL ECONOMICS

Introduction – Definitions –Managerial Economics and Economic Theory – Decision Sciences- Functional Areas of Business Administration Studies – Fundamental Concepts and Methods of Managerial Economics

MODULE-2: ORGANISATIONS AND OBJECTIVES OF FIRM

The Theory of the Firm: Reasons for the Existence of Firms and their Functions – The Objective and Value of the Firm – The Nature and Function of Profits – Business Vs Economic Profit – Theories of Profit - Functions of Profit

MODULE-3: DEMAND ESTIMATION AND FORECASTING

The Identification Problem – Marketing Research Approaches – Regression Analysis – Problems in Regression Analysis- Demand Estimation – Demand Forecasting – Qualitative Forecasts – Time Series Analysis – Smoothing Techniques – Barometric Methods – Econometric Models (Input – Output Forecasting)

MODULE-4: LINEAR PROGRAMMING

Meaning – Assumption and Applications of Linear Programming – Basic Linear Programming Concepts – Procedure used in Formulating and Selecting Linear Programming Problem – Linear Programming and Profit Maximization - Linear Programming and Cost Minimization – the Dual Problem and Shadow Prices- Linear Programming and Logistics in the Global Economy

BOOKS FOR REFERENCE

- Salvatore Dominick (2008), ***Managerial Economics- Principles and Wide Applications***, (6th Ed.), Oxford University Press, New Delhi
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- Dwivedi D.N. (1980), ***Managerial Economics***, Vikas Publishing House Pvt. Ltd. Noida, UP, New Delhi
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PAPER- 3.7(E): INDIAN PUBLIC FINANCE

MODULE-1: INTRODUCTION

Meaning, Nature and Scope of Public Finance – Indian Federal Finance – Historical Background – The Meston Award – The Government of India Act 1935 – Neimeyer Award – Deshmuk Award – Financial Federalism Under the Constitution - Division and Distribution of Functions and Revenue Between Centre and State Governments –Role of Finance Commission

MODULE-2: INDIAN TAX SYSTEM

Taxation and Economic Development – Direct Taxes (All to be discussed) and Indirect Taxes (All to be Discussed) of both the Center and the States – Recent Reforms in Direct and Indirect Taxes

MODULE – 3: BUDGET

Meaning of Budget – Importance of Revenue Budget and Capital Budget – Trends in Central Government Budget – Trends in State Government Budget with Special Reference to Karnataka – Deficit Financing in India – Revenue Deficit – Budget Deficit – Fiscal Deficit – Primary Deficit – Effects of Deficit Financing – Analysis of Latest Budgets of Government of India and Government of Karnataka.

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PAPER -3.8(E): INDIAN ECONOMY

MODULE-1: INTRODUCTION TO INDIAN ECONOMY

Trends in Development of Indian Economy since Independence – Development Role of State – Market and Other Institutions - Indicators of Development-PQLI – Human Development Index (HDI) – Gender Development Indices – Basic Demographic Issues _ Population growth and its Implications

MODULE-2: SECTORAL ANALYSIS

Institutional Structure _ Land Reforms in India - Technical Change in Agriculture – Pricing of Agricultural Inputs and Output _ Terms of Trade Between Agriculture and Industry – Agricultural Finance Policy _ Agricultural Marketing and Warehousing, - Issues in Food Security – Policies for Sustainable Agriculture _ Industrial Policy – Public Sector Enterprises and their Performance – Problem of Sick Units in India – Privatization and Disinvestment Debate – Growth and Pattern of Industrialization _ Small Scale Sector – Productivity in Industrial Sector Exit Policy – Issues in Labour Market Reforms – Approaches for Employment Generation - Service Sector Problems , Prospects and Solutions.

MODULE – 3: ECONOMIC REFORMS

Rationale of Internal and External Reforms – Globalization of Indian Economy- WTO and its Impact on the Different Sectors of the Economy – Need for and Issues in good Governance – Issues in Competition and Safety Nets in Indian Economy

BOOKS FOR REFERENCE

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PAPER-3.9 (E): RURAL DEVELOPMENT

MODULE-1: RURAL DEVELOPMENT THEORIES AND APPROACHES

Meaning and Objectives of Rural Development - Indicators of Rural Development – Characteristics of Rural Economy – Social, Political and Economic Characteristics - Unbalanced Growth Theory – Growth Pole Theory, Dualistic Models of Development – Approaches to Rural Development in India – Community Development Approach -Target Area Approach - Integrated Rural Development Approach - Institutional Approach – Land Reforms and Rural Development in India

MODULE-2: POVERTY AND UNEMPLOYMENT

Rural Poverty – Concept and Measurement – Income and Non-Income Indicators – Extent - Regional Disparity – Causes – Rural Unemployment – Concepts – Types and Extent – Regional Disparity – Causes – Review of Poverty Alleviation and Employment Generation Programmes in India

MODULE-3: DIVERSIFICATION OF RURAL ECONOMY

Agricultural Growth and Rural Development in India – Farm and Non- Farm Interdependence – Diversification of Agriculture – Livestock and Dairying – Fishery – Non-Form Employment in India – Trends – Size and Determinants – Rural Industrialization – Strategies and Policies

BOOKS FOR REFERENCE

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- Jain, Gopal Lal (1997), ***Rural Development*** , Mangal Deep Publications, Jaipur
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- Katra Singh (1986), ***Rural Development Principles***, Policies and Management, SAGA Publications, New Delhi

PAPER -3.10 (E): HUMAN RESOURCE DEVELOPMENT

MODULE-1: INTRODUCTION

Concepts of HRD: Development of Knowledge, Skills and Capacities – Formal and Non-formal Education-Improvement in Health and Nutrition-Economic Analysis of Investment in man: Education as Investment-Expenditures on Education and Income – the Residual Approach in Determining the Contribution of Education to GNP-the Rate of Return From Expenditures on Education-Major Problems Of HRD: Generation And Utilization of High Level Manpower – Utilization of Redundant Manpower – Strategies of HRD-Indicators of HRD; Stock of Human Capital-Rate of Human Capital Formation-Composite Index of Levels of HRD.

MODULE-2: COST-BENEFIT ANALYSIS OF EDUCATIONAL EXPENDITURES

Educational Investment: Characteristics of Educational Investment – Educational Priorities- the Rate of Return on Investment on Education-Education and Productivity-Public and Private Financing of Education-Trends in Public Expenditures on Education in India-Expenditures on Different Sectors of Education such as Primary, Secondary, Vocational, Higher, Technical and Adult Education-Educational Planning in India-a Review of Educational Development in India.

MODULE-3: HEALTH AND ECONOMIC DEVELOPMENT

Health and Economic Development: Health Output and Input Indicators and their Correlation with the Level of Economic Development and with the Public Expenditures on Health-Resource Allocation in the Health Sector-the Demand for Health Services-the Failure of the Market to Provide Essential Health Services-Public Expenditure on Health-Private Benefits and Private Costs of Providing Health Services – the Need for a General Health Insurance - The Concept of Human Life Value – Theory and Empirical Studies of Production of Health care – Inequalities in Health.

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PAPER-4.1 (H): INTERNATIONAL ECONOMICS

MODULE-1: INTERNATIONAL TRADE THEORIES

Importance of International Economics and the Themes therein - Trade and Development–Classical Theories - Opportunity Cost Theory - Factor Endowments– Heckscher – Ohlin Theory - Factor Price Equalization and Income Distribution – Leontief Paradox – Neo-technological Trade Theory

MODULE-2: DEMAND ISSUES IN INTERNATIONAL ECONOMICS

Theory of Reciprocal Demand – Offer Curve Technique – Terms of Trade – Different Concepts of Terms of Trade and their Measurement – Secular Deterioration Hypothesis – Trade as an Engine of Growth – Rybozynski Theorem

MODULE-3: COMMERCIAL POLICY AND ECONOMIC INTERGRATION

Free Trade Vs Protection- Tariffs – the Effect of Tariffs – the Stolper Samuelson Theorem – Optimum Tariff – Non- Tariff Barriers – Quotas - Effects of Quotas- Economic Integration – Customs Union Theory - Regional Integration – European Union- SAARC-Multilateral Trade Agreement- Pre-WTO Rounds- WTO Background, Structure and Functions – GATT, GATS, TRIPs, TRIMs and other Issues

MODULE-4: INTERNATIONAL CAPITAL MOVEMENTS, EXCHANGE MARKETS, EXCHANGE RATES

Role of Capital in Economic Development, FDI- Welfare Effects - Multi National Corporations – Exchange Markets – Functions - Exchange Rates Determination – Arbitrage – Spot and Forward Rates- Foreign Exchange Risks – Hedging- Speculation – Purchasing Power Parity Theory

MODULE-5: BALANCE OF PAYMENTS AND INTERNATIONAL FINANCIAL INSTITUTIONS

Balance of Payments: The Concept – Accounting Principles – Balance of Payments Equilibrium – Adjustment Mechanism – Elasticities and Income Absorption Approaches – The Brettonwoods System – The IMF – Its Functioning – International Liquidity – Special Drawing Rights – Role of IMF – Past and Present – The World Bank and its Affiliates (IFC, IDA, ADB, MIGA)- Structure and Functioning

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PAPER – 4.2: (H): TIME SERIES DATA ANALYSIS

MODULE-1: INTRODUCTION

Meaning and Scope of Econometrics – Nature and Sources of Data for Econometric Analysis –Steps involved in Formulating Econometric Models

MODULE – 2: DATA AND FORECASTING

Introduction to Time-Series Data- Collection –Sources, Comparability of Data over time Components, Smoothing Time Series Data – Calculating Compound Annual Growth Rates – Forecasting - Introduction, Types, Methodology and Measuring the Accuracy of Forecasting Models – Simple Forecast Methods

MODULE – 3: LINEAR AND CURVILINEAR TREND

Modeling Trend Using Regression Analysis – Introduction, Building Estimating, Forecasting Linear and Curvilinear Trend

MODULE -4: EXPONENTIAL TREND

Exponential Smoothing – Forecasting Time Series with No Trend, with a Linear Trend and with a Curvilinear Trend – Advantages and Disadvantages of Exponential Smoothing

MODULE- 5: ADDITIVE AND MULTIPLICATIVE MODELS

Decomposition Method – Additive and Multiplicative Models – Seasonal and Cyclical Component – Tests for Seasonally Dealing with Cyclical Component

BOOKS FOR REFERENCE

- Robert H. Shumway and David S. Stoffer (2010), 3rd Edition, ***Time Series Analysis and Its Applications: With R Examples***, Springer Publication, New York.
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PAPER-4.3 (S): OPERATIONS RESEARCH FOR ECONOMISTS

MODULE-1: INTRODUCTION

Operations Research- Definitions and Characteristics of Operations Research – Methodology and Scope of Operations Research

MODULE- 2: LINEAR PROGRAMMING-PROBLEM FORMULATION AND GRAPHICAL SOLUTION

Basic Terminology – Requirements and Assumptions – Formulation of Linear Programming Models and Graphical Solutions of Linear Programming Models

MODULE-3: LINEAR PROGRAMMING-SIMPLEX METHOD

Standard Form of Linear Programming Model, Simplex Method - Application to Maximization and Minimization Cases – Big ‘M’ Method of Charri’s M Technique, Special Cases – Degeneracy Unbounded Solution _ Multiple or Alternative Solutions

MODULE-4: TRANSPORTATION MODEL

Definition and Application of Transportation Model – Solution of the Transportation Problems using North-West Corner Rule - Matrix Minimum Method and Vogel’s Approximation Method

BOOKS FOR REFERENCE

- Churchman C.W Ackoff. R and Arnoff E.L (1957), **Introduction to Operations Research**, John Wiley and Sons, Inc. New York,
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PAPER-4.4 (S): INDIAN ECONOMIC POLICY

MODULE – 1: INTRODUCTION TO INDIAN ECONOMY

Structure of the Economy – National Income – Growth and Trends - PQLI
Human Development Index – Population and Human Resources – Natural
Resources – Rural–Urban Divide – Poverty Index – Informal Sector –
Environmental Aspects - Regional Variations in Growth

MODULE- 2: SECTORAL ISSUES

Role of Agriculture in Indian Economy – Growth Trends in Productivity –
Cropping Pattern-Agricultural Finance and Marketing – Price Policy –
Development of Industries – Growth of Public and Private Sectors – Small
Industries – Industrial Policy – Industrial Finance – Industrial Sickness –
Indian Industries in Global Market Context – Growth of Service Sector in
India

MODULE-3: STATE OF INFRASTRUCTURE

Physical Infrastructure – Transport – Energy – Telecommunications –
Information Technology - Social Infrastructure – Health: National Rural
Health Mission (NRHM) – Education- Sarva Shiksha Abhiyan (S.S.A)
Programme-Evaluation of Policies in Housing, Drinking Water and
Sanitation

MODULE-4: BASIC PROBLEMS AND POLICIES IN INDIA

Poverty and Unemployment – MGNREGA – SGSY- Evaluation- Globalisation
– Economic Reforms – Trade Reforms - Financial Sector Reforms- Special
Economic Zones (SEZ) - India and WTO

BOOKS FOR REFERENCE

- Ahluwalia. I.J. and I.M.D Little (Eds.) (1999), **India's Economic Reforms and Development (Essays in Honor of Manmohan Singh)**, Oxford University Press, New Delhi
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PAPER -4.5 (S): INDUSTRIAL ECONOMICS

MODULE-1: INTRODUCTION

Meaning and Importance of Industrial Economics – Concepts and Organisation Firm - Optimum Firm – Ownership Control and Objectives of the Firm- Passive and Active Behaviour of the Firm

MODULE-2: INDUSTRIAL LOCATION AND PRODUCTIVITY

Theories of Industrial Location – Weber and Sargent Florence – Central Place Theory of Walter Isard, Christaller's Central Place Theory - Factors affecting Location of Industries - Regional Industrial Distribution in India – Industrial Productivity – Efficiency and Capacity Utilisation – Concept and Measurement, Indian Situation – Project Appraisal – Cost Benefit Analysis

MODULE-3: INDUSTRIAL GROWTH PATTERN AND FINANCE IN INDIA

Growth of Industries in India –Industrial Policy in India – Recent Issues- Role of Public and Private Sectors – Role of Small and Medium Enterprises (SMEs) – Problems and Prospects- Recent Issues – MNCs and Transfer of Technology – Liberalization and Privatisation – Industrial Finance – IDBI, IFCI, SFCs, SIDC, Commercial Banks - Financial Statement – Balance Sheet- Assessment of Financial Soundness – Ratio Analysis

MODULE – 4: INDUSTRIAL LABOUR

Industrial Labour Market- Employment Dimensions of Indian Industry- Industrial Legislation - Industrial Relations – Exit Policy and Social Security- Wages and Problem of Bonus – Labour Market Reforms

BOOKS FOR REFERENCE

- Barthwai. P.R. (1985), ***Industrial Economics - Indian Prospective*** (3rd edition), Himalaya Publishing House, Mumbai
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PAPER-4.6(S): ECONOMICS AND LAW

MODULE-1: INTRODUCTION TO LAW AND LEGAL INSTITUTIONS

Economic Analysis of Law - Introduction to Legal Reasoning and Efficiency - The Civil Law and the Common Law Traditions - Institutions of the Federal and State Court Systems- the Nature of Legal Disputes - Evolution of Legal Rules.

MODULE-2: LAWS RELATING TO CONSUMER ACTIVITIES

Bargain Theory - Economic Role of Contract - Economic Theory of Contract - Remedies as Incentives, Formation, Defenses and Performance Excuses; Duress; Bargaining Power and Unconsciousness Ability; defining Tort Law, Economics of Tort Liability; Tort Liability and Economic Models- Economics of Accidents, Fault, Victim - Fault and Strict Liability - Function of Damages - Consumer Protection - Consumer Courts

MODULE-3: ECONOMIC THEORY OF CRIME AND PUNISHMENT

The Traditional Theory of Criminal Law - Economic Theory of Crime and Punishment- Efficient Punishment- Efficiency of Capital Sentence- Addictive Drugs and Crime, Plea Bargaining - Reforms of Criminal Procedure and Futility Thesis - Law Relating to Economic Offences and Corruption- Violation of Human Rights

MODULE-4: LEGAL ISSUES UNDER GLOBAL REGIME

Law and Distribution of Income and Wealth – Inequality - Contract Theory of Distributive Justice - Personal and Corporate Taxation - Legal Issues in Federalism - Legal Issues Involved in Liberalisation, Privatisation and Globalisation - Legal Dimensions of International Environmental Agreements – WTO - TRIPs and TRIMs - Export and Import Policy - Custom Duties - FEMA

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PAPER-4.7 (S): ECONOMICS OF GENDER

MODULE – 1: INTRODUCTION

Basic Concepts - Differences between Gender and Sex - Gender Bias - Gender Division of Labour - Gender Order - Gender Segregation - Gender Mainstreaming – Gender Laws – Gender Discrimination – Gender Audit – Gender Budgeting - Importance and Need for the Study of Economics of Gender - Women in Matriarchal and Patriarchal Societies, Economic Basis and Functioning of Patriarchy in LDCs - Gender Bias in the Theories of Production – Value and Distribution -- Invisibility of Women’s Work

MODULE – 2: GENDER AND DEMOGRAPHIC ISSUES

Gender Differences in the World Economies - Gender Differences in Education and Health in Developed Economies and Less Developed Economies – Gender Differences in India – Demographical Differences – Age Structure, Mortality Rates – Sex Ratio – Causes for Declining Sex Ratio – Differences in Access to Health and Education – Inter-State Differences – Rural-Urban Differences

MODULE – 3: GENDER AND LABOUR MARKET

Trends in Labour Force Participation - Causes for the Changing Trends - Economic Factors Affecting Labour Force Participation - Extensions of the Simple Economic Model - Gender Segregation in the Workplace - Theories of Segregation–The Relationship between Segregation and Earnings - Causes of Earnings Differences: Human Capital - Human Capital Investments and Earnings -Policy Application - Affirmative Action Legislation – Impact of Technology on Women’s Work – Women in Unorganized Sector – Social Security Issues

MODULE -4: GENDER AND DEVELOPMENT

The Concepts of Gender and Development - Women in Development (WID), Women and Development (WAD), Gender and Development (GAD), Human Development Index (HDI), Gender Development Index (GDI) and Gender Empowerment Index (GEM), Women Development Approaches in Indian Five Year Plans – From Welfare to Empowerment Approach - New Economic Policy- Globalization, Liberalization and Privatization-Impact on Women – Science and Technology and Employment of Women

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PAPER 4.8 (S): ECONOMICS OF INSURANCE

MODULE – 1: INTRODUCTION

Economics of Insurance as a Branch of Economics - Human Security Issues through time - Insurance-Concept , Definition , Scope and Importance – Functions and Features of Insurance - Economic, Social and Legal Perspective of Insurance – Planning for Wealth Accumulation through Insurance

MODULE -2: INSURANCE AND ECONOMIC DEVELOPMENT

Insurance and Economic Development-Business Environment and Insurance-Risk Management through Insurance - Risk Pooling, Sharing, Transfer, Management and Risk Assessment – Insurance Institutions as Financial Intermediaries and Investment Institutions – Insurance Institutions in the Indian Capital Market and their Regulation – Organization and Management of Insurance Companies, Malhotra Committee Recommendations

MODULE-3: ESSENTIALS OF LIFE AND HEALTH INSURANCE

Fundamentals of Life and Health Insurance- Functions of Life and Health Insurance – Insurance Products and Documentation – Basics of Premium Construction – Actuarial Valuation and Underwriting – Bonus and Distribution of Surplus – Superannuation (Pension) and Insurance – Group Insurance

MODULE-4 : ESSENTIALS OF GENERAL INSURANCE

General Insurance – Concept, Importance and Types - Functions of General Insurance –Performance Evaluation – General Insurance and Short Term Risks – Insurance Regulation – Insurance Regulation Development Authority (IRDA) – Insurance Sector Reforms – Emerging Challenges

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