



### **CRITERIA 1.1.3**

Different UG And PG Programme, Sample of Courses With Highlight On Ethics / Gender / Human Values / Environment And Sustainability Aspects Is Presented.

### **Programme: MA ECONOMICS**

1. ETHICS



2. GENDER



3. HUMAN VALUES



4. ENVIRONMENT AND SUSTAINABILITY



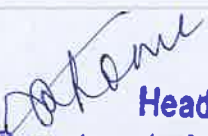


# NETAJI SUBHAS UNIVERSITY

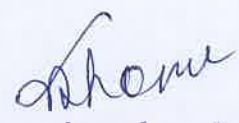
Estd. Under Jharkhand State Private University Act, 2018

## SYLLABUS FOR MASTER OF ARTS ECONOMICS 2020 ONWARDS

With ETHICS/H.V/GENDER/ENV.  
2 SUS

  
**Head**  
Department of Economics  
Netaji Subhas University



  
**Dean Academics**  
Netaji Subhas University  
Jamshedpur, Jharkhand

## SEMESTER 1

PAPER NAME	MICRO ECONOMICS
PAPER CODE	ECO101

### Unit I: Consumer Behavior and Demand Analysis

Theories of Demand –utility; indifference curve (income and substitution effects; Slutsky theorem, compensated demand curve) and their applications; Indirect utility demand functions (Hicksian and Marshallian) Elasticity (price, cross, income) of demand and elasticity of supply; Revealed Preference theory; Revision of demand theory by Hicks; Consumer's Surplus.

### Unit II: Theory of Production and Cost

Marginal productivity, rate of technical substitution, elasticity of input substitution, Production function – short period and long period; Law of Variable Proportions and Returns to Scale; Isoquants least cost combination of inputs; Leontief's Isoquants, Returns to factors; Economics of Scale and scope, Learning curve; Multiproduct Firm; Cobb-Douglas, CES, Traditional and Modern theories of cost.

### Unit III: Market Analysis, Price & Output determination.

Oligopoly with fixed number of firms, traditional models of oligopoly (Cournot, Stackberg, Bertrand, Edgeworth, Chamberlian, Kinked demand curve ) and collusive (Cartels, and Mergers, Price leadership, and basic point price system) Product differentiation; Source of Externalities, Solution to the externalities problems attributes of public goods, pricing of public goods; Monopolistic Competition, general and Chamberlin approaches to equilibrium, equilibrium of the firm and the group with product differentiation and selling cost, excess capacity under Monopolistic competition, criticism of Monopolistic Competition; Price and output determination under Monopsony and bilateral Monopoly, workable Competition Structure, Conduct and performance norms.

### Basic Reading List

B.L. Ahuja, Microeconomics  
Sampath Mukherjee, Microeconomics  
Bilas, William J. ( 1971), Micro Economics Theory, McGraw Hill Kogakausha, Ltd.  
Koutsoyiannis, A. ( 1979), Modern Micro Economics, McMillan Press Ltd, London.  
Salvatore, Dominick ( 2003), Micro Economics, Oxford University Press, New Delhi.  
Stonier, ( Alfred. W.) And ( Douglas ), Hague ( 2008), A Textbook of Economic Theory, Pearson Education.  
Hale R. Varian: Microeconomic Analysis, W.W. Norton & Company Education  
Samuelson and Nordhaus: Economics, Irwin McGraw Hill (17<sup>th</sup> Edition is Available).

<b>PAPER NAME</b>	<b>MACRO ECONOMICS</b>
<b>PAPER CODE</b>	<b>ECO102</b>

#### **Unit I: National Income**

Circular flow of Income in two, three and four-sector economy, Different forms of National Income Accounting-- Social Accounting, Input-Output accounting, flow of Funds Accounting and Balance of Payments Accounting

#### **Unit II: Consumption Function:**

Absolute Income Hypothesis, Relative Income Hypothesis, Permanent Income and Life Cycle Hypotheses, Consumption under Uncertainty – Modern approach.

#### **Unit III: Investment Function:**

Keynesian Approach, Accelerator Theory, Neo-Classical Theory of Investment, Tobin's Q Theory of Investment.

#### **Unit IV :IS – LM Model**

New Classical and Keynesian views on interest; the IS-LM Model; Extension of IS-LM Model Government Sector, Relative effectiveness of monetary and fiscal policies; Extension of IS-LM Model with labour market and flexible prices.

#### **Unit V: Trade Cycle Theories.**

Accelerator – Multiplier interaction models, Theories of Schumpeter ,Kaldor , Samuelson and Hick's investment and savings. Control of business cycles – relative efficiency of monetary and Fiscal policies.

#### **Basic reading list**

Ackley, G. ( 1978), Macroeconomics: Theory and Policy, Macmillan, NewYork.  
Gupta, Suraj B. ( 2003 ), Monetary Planning for India, OxfordUniversity Press, New Delhi.  
Harris, Monetary Theory, McGraw HillPublications

PAPER NAME:	ECONOMICS OF ENVIRONMENT
PAPER CODE:	ECO103

#### UNIT 1:

Economics of Natural Resources, Sustainable Development and Environmental Accounting Meaning and Characteristics of Environmental Goods; Theories of Optimal use of exhaustible and renewable resources; Environmental and Development trade — off and the concept of sustainable development, Integrated environmental and economic accounting and the measurement of environmentally corrected GDP; Macroeconomic policies and Environment; Environmental Kuznets Curve, The Theory of Environmental Externalities; Pigouvian Taxes and subsidies, Coase's bargaining solution and collective action, New model of pollution control, Environmental Regulations and Enforcement

#### UNIT II:

Measurement of Environmental Values, Rationale for valuation of environment, concept of Total Economic Values, direct and indirect methods of Valuation, Methods based on response to hypothetical markets, Contingent valuation methods, Travel Cost method, Hedonic Pricing Method.

#### UNIT III:

Environmental and Natural Resource Problems and Policies in India  
Mechanism for environment regulation in India, Environmental laws and their implementation, National Environmental Policy, Water Policy, Forest Conservation Act, Forest regulation Act, WTO and environment, Climate change and International Agreements.

#### Basic reading list

- Economics of Environment, Robert N. Stavins Bhattacharya,  
R.N. (2006): Environmental Economics, An Indian Perspective, Oxford University Press, New York.
- Divan Shyam and Armin Rosencranz (2008): Environmental Law and Policy in India, Cases, Material and Statutes, Oxford University Press, New York.
- Ganesamurthy, V.S. (2009): Environmental Economics in India, New Century Publications, New Delhi, India.
- Sankar, Ulaganthan (2006): Environmental Economics, Oxford University Press, New York

<b>PAPER CODE:</b>	<b>ECO104</b>
<b>PAPER NAME:</b>	<b>INDUSTRIAL ECONOMICS</b>

### **UNIT 1:- Introduction**

Industrial economics- Meaning, Nature and scope, Concept and organisation of the firm, ownership, control and objective of the firm, passive and active behaviour of the firm.

### **UNIT 2:- Market Structure**

Seller's concentration, Product differentiation, Entry conditions, Economies of scale, Market structure and profitability, market structure and innovation

Theories of industrial location:- Weber and Sargent Florence, Factors affecting location.

### **UNIT 3:- Liberalisation, Privatisation In India**

New Economic Policy of 1991, MNCs and transfer of technology- Industrial economic concentration and remedial measures, Issues in industrial proliferation and environmental preservation

### **Unit 4:- Market Conduct**

Product pricing- theories and evidence; Investment expenditure- Theories and empirical evidence; Merger and Diversification, Market Performance- Growth, Size, and Profitability of the firm.

### **UNIT 5:- Industrial Finance**

Industrial finance: Owned, External and other components of funds, Nature, volume and types of Institutional Finance- State Level Financial Institutions and Commercial Banks, Industrial Finance in India

### **Basic Reading List**

1. Sampat Mukherjee, industrial economics
2. R.R. . Barthwal, Industrial Economics

## SEMESTER 2

PAPER NAME:	ECONOMICS OF SOCIAL SECTOR
PAPER CODE:	ECO201

### UNIT I:

Education, Education as public goods, Education as an instrument of economic growth,

Women's Education, Recent trends in Women Education, Committees and Commission on Education, Adult Literacy and Non Formal Education for economic development

### UNIT II:

Economics of Education:- Human Capital Vs Physical Capital Demand for Education – Private Demand and Social Demand, determinants of demand for education, costs of education, private costs and social costs, Wastage and Stagnation in education, Benefits of education : Private and Social benefits.

### UNIT III:

Economics of Health:- Health dimensions of development, Determinants of health-poverty, malnutrition and environmental issues, Economic dimension of health care – demand and supply of health care, Financing of health care and resource constraints in health care and its delivery, Inequalities in health: class and gender perspectives, institutional issues in health care delivery, Public expenditure on health in India, Health status of women in India, mortality and morbidity factors influencing health and nutrition.

### UNIT IV:

Resource Mobilisation in Education, Pricing problem in education, role of grants and subsidies, effects of education, ability and family background on earnings, poverty and income distribution effects of educational pricing and subsidies on income distribution and employment, public expenditure on education in India, Educational planning in developing countries with special emphasis in India

### UNIT V:

Development Policy in India: Gender Analysis framework, Gender Mainstreaming and Gender Budgeting. Analysing Policy and Programmes: Gender blind Gender Neutral and Gender Redistributive Policy. Women's education – gender bias in enrollment, drop-outs, Information Technology – Impact on women's development sustainable development and impact on women. Health status of women in India – Mortality and morbidity factors influencing health and nutrition. Globalization and Women in India.

#### Basic reading list

Arya P.P. and B.B. Tandon (Ed) 2004 : Human Resource Development, Deep & Deep Pub. New Delhi.  
Goel, S.L. and P.N. Gautam (2005) : Human Resource Development in the 21st century, Concept and case studies, Deep & Deep Pub. New Delhi. Meier, Gerald M. and James' E. Rauch (2010) : Leading issues in economic development, Oxford Univ. Press, New York. Todaro, Michael P and Stephen C. Smith (2003) : Economic Development, Pearson Education Ltd. World Development Report (World Bank) Human Development Report (UNDP)

PAPER NAME:	MATHEMATICAL ECONOMICS
PAPER CODE:	ECO202

### **Unit I :Review of Concepts**

Review of Concepts. The Concepts of sets, Real Number System; Use of Graphs; Identities, Equations and Inequalities; Power of Number; Logarithms and their Properties, Binominal Theorem.

### **Unit II: Differential Calculas**

Limits of functions, Continuity at a point over and Interval; Rules of Differentiation including product, Quotient and Chain Rule; Derivatives of Implicit Functions, Partial Derivatives; Maxima and Minima; Economics Applications of Differentiation.

### **Unit III: Integration**

Techniques of Integration; Definite Integrals; The relation between Average and Marginal Concepts;; Consumer's and Producer's Surplus.

### **Unit IV: Matrix and Determinants**

Elementary operations of Addition, Multiplication of Matrices etc; Transpose and Inverse of Matrices; Rank of Matrix;

### **Unit V: : Input-Output Analysis**

Input-Output analysis; the simple closed and open model; Concepts and measurements.

### **Unit VI:-Linear Programming**

Basic Concepts of Linear Programming setting up of problem, various definitions.Solutions by Graphical Method;.

#### **Basic Reading List**

- Chiang, A.C. and wainwright (2005, 4th Edition) Fundamental Methods of Mathematical Economics, McGraw-Hill, New York.
- Allen, R.G.D. (2001), Mathematical Analysis for Economists. A.I.T.B.S. Publishers, India.
- Madnani, G.M.K and Mehta, B.C., Mathematical for Economics, Sultan and Sons Publication, New Delhi.

PAPER NAME:	MONETARY ECONOMICS
PAPER CODE:	ECO203

### **UNIT-I**

Money Supply: Theoretical and Empirical Attempts to Define Money. Balance sheet of a Central Bank and Components of Money Supply. Money Creation by the Banking System. High Powered Money and Money Multiplier. Measures of Money Supply and liquidity in India. Demand for Money: Interest sensitivity of demand for money- A review of Classical, Keynesian and Monetarist theories of demand for Money. Empirical attempts to estimate demand for money function.

### **UNIT-II**

Term Structure of Interest Rates: The Expectations Theory, Liquidity Premium Theory, Market Segmented Theory, Preferred Habitat Theory, Structure of Interest Rates in India. Monetary Policy: Targets, Goals and the Trade Offs among Alternate Goals, Lags in Operation, Keynesian and Monetarist Views on Transmission Mechanism, Rules vs. Discretion.

### **UNIT-III**

Central Banking: Main Functions, Policy Tools, Recent Monetary Policy of RBI, money aggregates targeting, interest targeting and inflation targeting approaches of RBI, Autonomy of RBI. Commercial Banking: Types of commercial banks in India. Banking Sector Reforms, Major Developments in Commercial Banking in India since reforms (including mergers).

### **UNIT-IV**

Non-Banking Financial Institutions: Role, Growth and Structure of Non-Banking Financial Institutions (NBFIs) in India. Types and Control of Non-Banking Financial Companies (NBFCs). International Monetary System: IMF as provider of International Liquidity. European Monetary System– Features of the Maastricht Treaty and Post Maastricht Treaty Developments. Constituents of international money and capital markets

#### **Basic reading list**

Sampat Mukherjee, monetary economics  
O.p. sinhal, monetary economics

PAPER NAME:	PUBLIC FINANCE
PAPER CODE:	ECO204

#### **UNIT I:**

Introduction:- Concept, Difference between public and private finance, sources of public finance

Market Failure and Rationale for Government Intervention, Provision of Private Goods, Public Goods, Social Goods, Merit Goods and Mixed Goods. Public Goods: Pure and Impure Public Goods: Samuelson Condition, Free Rider Problem, Lindahl Solution.

#### **UNIT II:**

Principles of Taxation, Impact and Incidence of Taxes, Concept of Impact and Incidence, Theories of Shifting and Incidence Shifting under Different market Conditions.

#### **UNIT III:-**

Principle of Fiscal Neutrality, Excess Burden, Doctrine Principle of Equity, Benefit Principle, Bowen and Lindhal Principles in Developing Countries. Application of Taxation Principles in Developing Countries, Meaning, Types and Measurement of Taxable Capacity.

#### **UNIT IV:**

Public Expenditure Wanger's Law Wisemen – Peacock Hypothesis Pure Theory of Public Expenditure Social Cost – Benefit Analysis.

#### **UNIT V:**

Public Debt Classical, Keynesian and Post – Keynesian Approaches of Public Debt. Burden of Public Debt. Public Debt Management, The Fiscal Responsibility and Budget Management Act, 2003 (FRBMA) and Public debt Management

#### **UNIT VI:**

Indian Public Finance Fiscal Federalism in India Centre-State financial relations in India Analysis of Central and State Government Budgets, GST and fiscal federalism, Fiscal Crisis and Fiscal Sector Reform in India.

India: Contemporary Challenges and Issues Before Eleventh Finance Commission, 2001. Reserve Bank of India, Handbook of Statistics on Indian Economy (Various Issues)

#### **Basic reading list**

Musgrave Richard (1989) : Public Finance in Theory and Practice, McGraw Hill Book Co., New York.  
 Buchaman J.M. (1970) : The Public Finances, Richard D. Irwin, Homewood.  
 Singh S.K. (1986) : Public Finance in Developed and Developing Countries, S. Chand and Co. Ltd., New Delhi  
 Chelliah R.J. (1971) : Fiscal Policy in Underdeveloped Countries.  
 Henmlata Rao (2006) : Fiscal Federalism – Issues and Policies, New Country Publications, New Delhi  
 Atkinson A.B. and J.E. Siglitz (1980) : Lectures on Public Economics, Tata McGraw Hill, New Delh

### SEMESTER 3

PAPER NAME:	SOFT'S SKILL FOR ECONOMICS
PAPER CODE:	ECO301

#### UNIT I:

Basics of Communication and Effective Communication Basics of communication: Definition of communication, Process of Communication, Barriers of Communication, Nonverbal Communication. Effective communication: Johari Window, The Art of Listening, Kinesthetic, Production of Speech, Organization of Speech, Modes of delivery, Conversation Techniques, Dialogue, Good manners and Etiquettes.

#### UNIT II:

Resume Writing and Interview Skills Resume Writing: What Resume? Types of Resume? Chronological, Functional and Mixed Resume, Steps in preparation of Resume. Interview Skills: Common interview questions, Attitude, body Language, The mock interviews, Phone interviews, Behavioral interviews.

#### UNIT III:

Group Discussion and Team Building Group Discussion: Group Discussion Basics, GD Topics for Practice, Points for GD Topics, Case Based and Article based Group Discussions, Points for Case Studies, and Notes on Current Issues for GD. Personal Effectiveness: Self Discovery, Self Esteem, and Goal setting. Conflict and Stress Management..

#### UNIT IV:

Test of Reasoning Verbal Reasoning: Series Completion, Analogy, Data Sufficiency, Assertion and Reasoning, Logical Deduction. Non-Verbal Reasoning: Series, Classification.

Interviews, Trishna Knowledge Systems. Yate, Martin.(2005). Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting.

#### Basic reading list

- Basic Reading List Aggarwal, R.S. 2010 Quantitative Aptitude, S. Chand & Sons.
- Aggarwal, R.S.2010.
- A Modern Approach to Verbal and Non Verbal Reasoning.
- S.Chand Covey, Stephen.2004.

PAPER NAME	International Trade
PAPER CODE:	ECO302

### **Unit-I**

Concept of international trade, difference between interregional and international trade, Gains from trade, Trade as an engine of economic growth

### **Unit II**

Theories of absolute advantage, comparative advantage and opportunity costs, modern theory of international trade; Theorem of factor price equalization; Empirical testing of the theory of absolute cost and comparative cost- Heckscher Ohlin theory of trade.

### **Unit-III**

The Rybczynski theorem-concept and policy implications of immiserizing growth; Causes of emergency and measurement of intra-industry trade and its impact on developing economies.; Concepts of terms of trade, their uses and limitations for less developed countries; Welfare implications - empirical evidence and policy issues;

### **Unit-IV**

The Theory of interventions (Tariffs, Quotas and non-tariff barriers); Economic effects of tariffs and quotas on national income, output, employment, terms of trade, BOP and BOT, Meaning and components of balance of payments; Equilibrium and disequilibrium in the balance ,Effects of Adverse BOP situation of payments, Its remedial measures

### **Unit-V**

The process of adjustment under system of gold standard, fixed exchange rates and flexible exchange rates; Expenditure-reducing and expenditure-switching policies and direct controls for adjustment; Policies for achieving internal and external equilibrium simultaneously under alternative exchange rate regimes; a critical review of the Absorption and monetary approaches to the theory of balance payment

#### **Basic reading list**

Bhagwati, J.N. (ed) : International Trade, Selected Readings, Cambridge University Press.  
 Kirdleberger : International Business. Paul R Krugman,  
 Maurice Obsfeld : International Economics, Theory & Practice, (Pearson).  
 Soderston, B O (1991) : International Economics, Macmillon Press

PAPER NAME:	INDIAN ECONOMICS
PAPER CODE:	ECO303

### Unit-I

Features of Indian economy; Nature and Characteristics of Indian economy; Planning; objectives and strategies; failures and achievements of plans. Basic economic indicators-National income, performance of different sectors. Trends in prices and money supply.

### Unit-II

Institutional structure: Land-reforms in India; Agricultural marketing and warehousing; Issues in food security - policies for sustainable agriculture; Agricultural finance policy; Agricultural price policy.

### Unit-III

Malthusian theory of population, optimum theory of population, theory of demographic transition, population as 'Limits to Growth' and as 'Ultimate Source' Concepts of Demography- Vital rates, life tables, composition and uses. Measurement of fertility - Total fertility rate, gross and net reproduction rate - Age pyramids, population projection stable, stationary and quasi-stationary population, Characteristics of Indian population through recent census.

### Unit-IV

Financial Sector: Monetary policy of RBI; Money and Capital markets; Growth and problem; Role of commercial banks in India; Banking sector reforms since 1991

### Basic reading list

Mishra & Puri : Indian Economy, Himalaya Publishers, New Delhi, 2008.

Rudra Dutt & Sundaram : Indian Economy,

S. Chand Publication Co, New Delhi, 2008 Indian Development Report, Oxford University Press, New Delhi

PAPER NAME:	ECONOMICS OF GROWTH AND DEVELOPMENT
PAPER CODE:	ECO304

#### **Unit –I**

Sectoral Aspects of development; Importance of agriculture and industry in economic development. Role of institutions – government and markets. Poverty – indicators and measurement.

#### **Unit-II**

Trade and development: trade as an engine of growth, two gap analysis, Prebisch, Singer and Myrdal views, gains from trade and LDCs; Role of foreign Direct investment (FDI) and Multinational corporations (MNCs) in the emerging scenario.

#### **Unit-III**

Objects and role of monetary and fiscal policies in economics development; Choice of techniques and appropriate technology; Investment Criteria; Cost-benefits analysis.

#### **Unit-IV**

Techniques of planning; Plan Models in India; Planning in a market-oriented economy; Endogenous growth; role of education research and knowledge – Explanation of Cross country differentials in economic development and growth.

#### **Basic reading list**

Adelman : Theories of Economics of Growth & Development, Stanford Uni. Press). S. Ghatak: An Introduction Development Economics, Allen & Ulwin. J. Hogendorn: Economic Development, Addison Wesley. C. P. Kindleberger: Economic Development, McGraw Hill H. Myint: The Economic of Underdeveloped Countries M. P. Todaro : Economic Development G. M. Meier: Leading Issues in Economic Development A. P. Thirwal: Growth & Development, McMillan Higgins: Economic Development

## SEMESTER-4

PAPER NAME:	ADVANCE MATHEMATICAL ECONOMICS
PAPER CODE:	ECO401

### Unit-I

Cardinal and ordinal utility maximization: Slutsky equation, compensated demand function, income, substitution, and price effects; Concept of elasticities; Consumer services.

### Unit-II

Separable and additive utility functions; homogeneous and homothetic utility functions; Indirect utility functions; transcendental logarithmic utility functions; duality theorem;

### Unit-III

Theory of revealed preference and index numbers; Linear expenditure systems; Treatment of demand for durable goods; Empirical demand functions; Consumer behaviour under risk and uncertainty.

### Unit-IV

Production function - homogeneous and non-homogeneous; Law of return & return to scale; Properties of Cobb-Douglas production function; CES, VES and Translog (TL) production;

### Basic reading list

A.C. Chiang – Fundamentals of Mathematical Economics, Mc Graw Hill, New York. R.G.D Allen. – Mathematics for Economics, Mc Milan Press. Taro Yamane – Mathematics for Economics – An Elementary Survey Prentice Hall of India, Pvt. Ltd. New Delhi.

PAPER NAME:	Financial Institutions and Markets
PAPER CODE:	ECO401

### **Unit-I**

Nature and Role of Financial System and Structure of Interest Rates - Money and finance-Money and near-money-Financial intermediation and financial intermediaries - The structure of the financial development.

### **Unit-II**

Equilibrium in Financial Markets - Financial System and Economic Development Criteria to evaluate assets: Risk and financial assets, types of risk, return on assets, Risk - Return trade off - Valuation of securities.

### **Unit-III**

Theories of interest rate determination - Level of interest rates - Long period and Short period rates Term Structure of Interest rates - Theories of interest rates structure - Expectational theory - Segmentation theory; Administered interest rates - Appropriate interest rate policy.

### **Unit-IV**

Banks, Monetary Policy and Non-Bank Financial Interest diaries: Functions of Central Bank - The aims and objectives of the monetary policy in developed and developing countries.

#### **Basic reading list**

Ackley,G. (1978), *Macroeconomics : Theory and Policy*, Macmillan, New York. Blackhouse, R. and A. Salansi (Eds.) (2000), *Macroeconomics and the Real World* (2 Vols.), Oxford University Press, London. Branson, W.A. (1989), *Macroeconomic Theory and Policy*, (3rd Edition), Harper and Row, New York. Dornbusch, R. and F. Stanley (1997), *Macroeconomics*, McGraw Hill, Inc., New York. Hall, R.E. and J.B. Taylor (1986), *Macroeconomics*, W.W. Norton, New York. Heijdra, B.J. and V.P. Fredericck (2001), *Foundations of Modern Macroeconomics*, Oxford University Press, New Delhi. Jha, R. (1991), *Contemporary Macroeconomic Theory and Policy*, Wiley Eastern Ltd., New Delhi. Romer, D.L. (1996), *Advanced Macroeconomics*, McGraw Hill Company Ltd., New York. Scarfe, B.L. (1977), *Cycles, Growth and Inflation*, McGraw Hill, New York. Shapiro, E. (1996), *Macroeconomic Analysis*, Galgotia Publications, New Delhi. Surrey, M.J.C. (Ed.) (1976), *Macroeconomic Themes*, Oxford University Press, Oxford.

PAPER NAME:	AGRICULTURAL ECONOMICS
PAPER CODE:	ECO402

### **Unit-I**

Agricultural Economics and Economic Development: Definition of agricultural Economics, its scope and nature; Regional disparities in Indian agriculture; Difference between agriculture and Industry; Need for a separate study of Agricultural Economics. Agriculture and Economic Development: Role of agriculture in Economic Development; Contribution of industry to the development of agriculture; Interdependence of agriculture and industry.

### **Unit-II**

Approaches to Agriculture Development: Schultz, Mellor, Boserup, Lewis and Ranis-Fie.

### **Unit-III**

Economics of Agriculture Production: The Production Function; Factor-Product Relationship; Factor-Factor Relationship; Product- Product Relationship. Equilibrium of the capitalist form, peasant family farm and share tenant farm.

### **Unit-IV**

Analysis for Farm Management: The Production Function Approach; Farm-budgeting Approach. Measures of Farm Efficiency; Supply response in agriculture; Size of the farm and Productivity Debate.

#### **Basic reading list**

Bhaduri, A. (1984), The Economic Structure of Backward Macmillan, Delhi. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalan Publishing House, Delhi. Dantwala, M.L.et. al (1991) Indian Agracuttural Development since independence, Oxford and IBM, New Delhi. Government of India (1976), Report on the National Commission on Agriculture, New Delhi. Government of India, Economic Survey ( Annual) ,New Delh Gulati, A. and T. Kelly (1999) Trade Liberalization and Indian Agriculture, Oxford University Press, New Delhi. Joshi, P.C. (1975) Land Reforms in India, Trends and Prospective, Allied Publishers, Bombay. Kahlon, A.S. and D.S.Tyagi (1983 ), Agriculture Price Policy India, Allied Publishers, New Delhi. . Rao, C.H. Hanumantha (1975), Agricultural Growth, Rural Poverty and Environmental Degradation in India, Oxford University Press, New Delhi. , Reserve Bank of India, Report on Currency and Finance (Annual), Mumbai. Rudra, A.(1982) Indian Agricultural Economics: Myths and Reality, Allied Publishers, New Delhi. Saini, G.R.( 1979)Farm Size, Resourse Use Efficiency and Income Distribution, Allied Publishers, N. Delhi.

PAPER NAME:	DEMOGRAPHY
PAPER CODE:	ECO402

#### **UNIT I:**

Introduction to Demography Meaning, subject matter and Importance of demography, Source of Demographic data – Census, Sampling, Registration, Source of Demographic data in India – Census, NFHS, NSSO, Registration System in India. Trends in composition & Distribution of India Population – Sex, Age, Religion, Rural, Urban, Occupation. Demographic rate in India – Fertility, Mortality, Literacy, Poverty

#### **UNIT II:**

Measurement of Population Growth Meaning of Population Growth, Models of Population Growth and Population Projection. Population Pyramid.

#### **UNIT III:**

Factor affecting Population Growth Fertility -Meaning, Important Concepts – CBR, ASBR, TFR, GRR, NRR; Factor affecting Fertility., Mortality - Meaning, Important Concepts – CDR, ASDR, IMR, MMR, NMR, NNMR, CSDR; Factors affecting Mortality, Migration - Meaning, Type, Effects and Factors Promoting Migration. Urbanization - Meaning, Causes and Effects. Neutrality -Meaning, Important Concepts and determinants

#### **UNIT IV:**

Theories of Population:- Malthusian Theory, Optimum Theory, Theories of Demographic Transition – Views of Blacker, Marx & Cowgill, Biological Theories, Socio-Economic Theories.

#### **UNIT V:**

Population Growth and Development Relationship between population growth & economic development, Human development– Meaning, Index and relationship with population growth, Relationship between population growth and environment degradation, Relationship between population growth & health, nutrition & productivity.

#### **UNIT VI:**

Migration and Urbanization Concept and types-temporary, internal and international; International migration- its effect on population growth and pattern; factors affecting migration;-Theories of migration related to internal migration; Urbanization - growth and distribution of rural-urban population in developing countries.

#### **Basic reading list**

Agarwala, S.N. (1972), India's Population Problem , Tata McGr Hill Co., Bombay. Bose, A. (1996), India's Basic Demographic Statistics, B. Publishing Corporation, New Delhi. Bogue, D.J. (1971), Principles of Demography, John Wiley, N York. Chenery, H. and T.N.Srinivasan, (Eds) (1989), Handbook Development Economics, Vol. 1 and 2, Choubey, P.K. (2000), Population Policy in India, Kanish Publication, New Delhi. Coale, A. J. and E.M. Hoover (1958) Population Growth a Economic Development in Low Income Countries: A case study of India's prospects, Princeton University Press, Princeton Gulati, S.C. (1988), Fertility in India; An Econometric Study A Metropolis, Sage Publications

PAPER NAME:	HISTORY OF ECONOMIC THOUGHT
PAPER CODE:	ECO403

### UNIT – I

Adam Smith: Theory of Value, Distribution and Growth. Ricardian Economics: Value Analysis, Theory of Distribution, Views on Machinery and Employment. Malthus: Theory of Population, Theory of Glut and Glut Controversy.

### UNIT – II

Marxian Economics: Dialectical Materialism; Mode of Production and its Fundamentals; Labour Theory of Value; Development and Decay of Capitalism (commodity production, Accumulation, Surplus value and Organic Composition of Capital). Theories of Imperialism: Hobson's Theory; Luxemburg's Theory; Lenin's Theory and a Comparison

### UNIT: III

Marginalism: Origin of Marginalist Revolution; Jevon's Mathematical Character of Economics; Jevon's Origin and Theory of Value Neoclassical Economics: Main feature; Marshal's Scope and Method of Economics. Austrian Economics: Main Features.

### UNIT- IV

Keynesian Economics: Keynes on Neoclassical ideology of Self-Adjusting Markets; Theoretical Setting of Keynes's Analysis; Analysis of Great Depression, Ideological Foundations of Keynes's Ideas. Kaleckian Version: Political Aspects of Full Employment; Distribution of Income.

Basic reading list

- Bhatia H.L. History of conomic Thought, Vikas PublishingHouse.
- Blaug, M. ( 1997), Economic Theory in Retrospect: A History of Economics Thought from Adam Smith to J.M, Keynes ( 5<sup>th</sup> Ed.)Cambridge.
- Gide, C and G. Rist( 1956), A History of Economic Doctrine ( 2<sup>nd</sup> Ed.), George Harrod and Co. London.
- Gide, A. and A.E. Thomson ( 1980), The Development of Economic Doctrine ( 2<sup>nd</sup> Ed.), Longman Group, London.
- Hajela, T.N. ( 1997), History of Economic Thought, Konark Publishers PvtLtd.
- Roll, E. ( 1973), A History of Economic Thought, Faber,London.

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