

M.A. Part -I: Semester-I (Mandatory)
MECTM101: Micro Economic Analysis – I

Course Learning objectives:

Microeconomic Analysis is a standard module on advanced microeconomic theory, providing modern treatments of consumer theory, production theory, choice under uncertainty and general equilibrium analysis. It provides the student with a core set of principles and analytical tools to study all other fields of economics. The objective of Microeconomic theory is to analyze how individual decision-makers, both consumers and producers, behave in economic environments.

Learning outcomes:

Upon successful completion of this course, students will be able to:

1. Acquire a basic understanding of the principles of microeconomics associated with supply and demand in determining market equilibrium and the effects of price controls and elasticity.
2. Determine equilibrium in the market under various situations that either cause movements or shifts in demand and supply.
3. Apply the concept of marginal analysis in order to make optimal choices, and identify whether the choices are efficient or equitable.
4. Understand the production function and Compare the costs of production in the short run and long run.
5. Identify the characteristics of Perfect Competition market structure and discuss the differences in their operations under differential cost conditions.

Contents of the Syllabus :

Module 1 : Cardinal Marginal Utility Analysis and elasticity of Demand

Consumer Behavior : Law of Demand and Law of Supply, Law of Cardinal Marginal Utility, Principle of Equi-Marginal utility theory.

Network Externalities : Bandwagon and Snob Effect

Indifference Curve Analysis: Marginal Rate of Substitution, Consumer's Equilibrium, Indifference Curve Analysis of Demand : Income, Substitution and Price Effects – Hicks-Allen and Slutsky.

Elasticity of Demand : concept of demand elasticity, types and measurements of elasticity.

Module 2 : Consumer Behaviour

Revealed Preference Theory of Demand: Preference Hypothesis and logic of Ordering, Derivation of Law of demand through logical ordering.

Individual Behaviour under Uncertainty: Choices Involving Risk: St. Petersburg Paradox and Bernoulli's Hypothesis, Neumann-Morgenstern Method of constructing Utility Index under Risky Situations. Friedman-Savage Hypothesis, Markowitz Hypothesis.

Module 3 : Consumer Surplus and Theory of Production and Cost

Consumer Surplus : Marshall's Measure of Consumer Surplus. Consumer Surplus and Changes in Price. Hicksian Four Concepts of Consumer Surplus.

The Theory of Production: Law of Variable Proportions, Production Function: Isoquants, Marginal Rate of Technical Substitution.

Production function with two variable factors - Returns to Scale, Cobb-Douglas – Production Function, Optimum Factor Combination -Iso-Cost Line, Least-Cost Combination of Factors, Expansion path.

Module 4 : Cost of Production and Theory of Firm

Cost of Production and Cost Curves : Concepts of Cost, Theory of Short-Run and Long Run Costs.

Economies of Scale : Internal and External, modern theory of cost- learning curve-L shaped long run average cost.

Market Structure and Revenue Curves: Concepts of Average Revenue and Marginal Revenue. Average Revenue and Marginal Revenue Under different market structure,

Books Recommended:

1. Ahuja H. L., (latest version) Advanced Economic Theory: Microeconomics Analysis, 13th Edition, S. Chand and Co. Ltd., New Delhi.
2. Jhingan M. L., (Latest version) Micro Economic Analysis, Vrinda Publications
3. Koutsoyiannis, A.: Modern Microeconomics, 2nd ed., Macmillan Press, London.
4. Baumol, W.J. 1982), Economics Theory and Operations Analysis, Prentice Hall of India, New Delhi.
5. Dewett K. K., (latest version), Modern Economic Theory, S. Chand & Company Ltd., Revised Edition,.
6. Kreps, David M (1990): A Course in Microeconomic Theory, Princeton University Press, Princeton.
7. Sen, A. (1999): Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
8. Stigler, G. (1996): Theory of Price, 4th ed., Prentice Hall of India, New Delhi.
9. Varian, H. (2000): Microeconomic Analysis, W.W. Norton, New York.

M.A. Part -I : Semester-I (Mandatory)
MECTM102 : Macro Economic Analysis – I

Learning objectives:

The basic objective of this course is to familiarize the students about the various concepts of macroeconomics. This course intends to provide wider vision of modern treatments of national income and social accounting, consumption functions, investment analysis, multiplier, employment theory and effective demand. The course is designed such that the students are able to explain the various economics aggregates and their computation, understand the determinants of consumption and empirical analysis of consumption function, identify the importance and types of investment, determinants of investment and the working of multiplier in an economy.

Course Outcomes:

Upon successful completion of this course, students will be able to:

1. Identify macroeconomic indicators and measures of economics growth
2. Use human behaviour and consumption pattern at macro level.
3. Use their knowledge to understand and evaluate current economic events and new economic ideas
4. Use the knowledge of the subject for employment in competitive examinations, banks and financial institutions.

Contents of the Syllabuss :

Module 1 : Macroeconomic Measurement

Concepts Stock and Flow Variables, Functional relationships, Circular Flows in Two, Three and Four Sector Model.

Some Concepts Related to National Income, Concept of green GDP, Methods of Measurement of National Income: Product Method - Income Method - Expenditure Method, Importance and difficulties in measurement of National Income, Measurement of National Income in India, Different forms of National income accountings- Social Accounting: Main Features, Types. National Income and Economic Welfare

Module 2 : Behavioural Foundations of Marco Economics

Concept of Consumption Function, Keynesian views on Consumption (MPC, APC) and Saving function (MPS, APS), Keynes's Psychological Law of Consumption – features and determining factors, Empirical evidence on consumption function, intertemporal choice of consumption Theories of Income-consumption relationship-absolute income, relative income, life cycle and permanent income hypothesis.

Module 3 : Multiplier and Investment Function

Investment Function: Meaning and Types Autonomous and Induced Investment, determinants of Investment - Marginal Efficiency of capital – Business Expectations, Investment – short run and long run, Acceleration Principle, Interaction of Multiplier and Accelerator (Leverage effect), Influence of policies on investment – Tobin's Theory of Investment

Theory of Multiplier: The Concept of Investment Multiplier – Leakages in the Multiplier Process, Importance, Limitations, Criticism and Other types of Multipliers, Balanced Budget Multiplier, Relevance of Multiplier for developing economy. New Theories of Investment

Module 4 : Theory of Employment and Effective Demand

Theory of Employment: Classical theory of Employment, Say's law of Market, and Keynes theory of Employment, Principle of Effective Demand: Aggregate Demand and Aggregate Supply, Shift in curves in Short and long run, Economic Fluctuations- AS-AD Model, Unemployment, Full Employment and Wage Employment Relationship

Books Recommended:

1. Dornbusch, Fischer, Stratz, Macroeconomics, (Revised Edition).Tata McGraw-Hill. New Delhi
2. Ahuja H. L. Macroeconomics Theory and Policy, S. Chand and Co. Ltd New Delhi.
3. Mankiw, N. G. Macroeconomics, (Revised Edition), Worth Publications. New York. Blackhouse, R. and A. Salansi (Eds.) (2000), Macroeconomics and the Real World (2 Vols), Oxford University Press, London.
4. D'Souza, Errol (2009), Macroeconomics, Pearson Education, Delhi.
5. Gupta R.D.and Rana A.S. (1998): Post-Keynesian Economics, Kalyani Publishers, Ludhiana.
6. Jhingan, M.L.(2020) : Macro Economics, Vrunda Publications, New Delhi.
7. Keynes, J.M (1936) : General Theory of Employment, Interest and Money
8. Mithani D. M., (2020), Money, Banking, International trade and public finance, Himalaya Publications, Nagpur.
9. Rakshit, M. (1998), Studies in the Macroeconomics of Developing Countries, Oxford University Press, New Delhi.
10. Rana and Verma ,(11th edition 2016) ,Macro Economic Analysis ,Vishal Publication Jalandhar, Delhi.

M.A. Part -I : Semester-I (Mandatory)

MEC1M03 : Statistics for Economics- I

Course Objective:

This course is specifically designed with the objective of equipping the students with the skills to use techniques of descriptive statistics and its application in varied disciplines. The course also aims to acquaint the students with the techniques of elementary research.

Course Outcomes:

Upon successful completion of this course, students will be able to:

- Understand the basic statistical concept and compilation of Indian statistics.
- Understand the concept of descriptive statistics and its application.
- Compute and interpret the results of Correlation and Regression analysis for forecasting & its application to on socio-economic problems.
- Understand the meaning and application of Index Number with its limitations.

Module 1: Introduction to Statistics, Data Presentation and Indian Statistics (15 Lecture)

Statistics in Practice- Application- Data, Data Sources, Descriptive Statistics, Statistical Inference

Basic Statistical concepts – Population, Sample, Parameter and Statistics, Variables and Data, Data Measurement levels- Nominal, Ordinal, Interval and Ratio.

Construction of Frequency Distribution- Classification and Tabulation of Data, Graphs and Charts

Indian Statistics: CSO, NSSO, Recent Population Census, Agricultural and Industrial Statistics

Module 2: Descriptive Statistics: Numerical Measures (15 Lecture)

Measures of Central Tendency: - Arithmetic Mean, Median, Mode, Geometric and Harmonic Mean

Partition Values: Quartiles, Decile and Percentiles

Measure of Dispersion: Range, Interquartile Range, Mean Deviation, Standard Deviation, Coefficient of Variation.

Measures of shape – Skewness and Kurtosis

Module 3: Correlation and Regression Analysis (15 Lecture)

Correlation Analysis: Meaning, Importance, Types, Methods of Determining Correlation and Limitations- Karl Pearson's Coefficient of Correlation, Coefficient of Concurrent Deviation, Spearman's Rank Correlation, Coefficient of Correlation by Least Square Method

Regression Analysis: Meaning, Importance, Types, Methods of Determining Correlation and Limitations- Simple Linear Regression Model, Least Squares Method

Module 4: Index Numbers (15 Lecture)

Index Number- Meaning, Characteristics, Importance and Limitations, Methods of Computation

of Index Numbers– Simple and Weighted

Cost of Living Index Numbers: Meaning, Importance, Types, Methods of Computation of Cost of Living Index Number, Concept and use of CPI and WPI

Books Recommended:

1. Gupta S.C and Mrs. Indira Gupta: Business Statistics: Himalaya Publishing House; Delhi
2. Gupta, S.C., Fundamentals of Applied Statistics, S. Chand & Sons New Delhi.
3. Gupta, S.P., Introduction to Statistical Methods.,S. Chand& Sons New Delhi.
4. King, W.I.: The Elements of Statistical Methods; The Macmillan Co. New York.
5. Anderson, Sweemey and Villiams, Statistics for Business and Economics, Cengage Learning publication, New Delhi

M.A. Part -I: Semester-I (Mandatory)

MEC1M04: Demography

Course Objective:

To provide an understanding of Demography and its application under various topics under economics. To demonstrate the practical and the applied aspects of Demography and the study of Population and its relation to Economics.

Course Outcomes:

Upon successful completion of this course, students will be able to:

- 1.Be able to understand the basic concepts of Demography
- 2.Be able to analyse and relate the theories of population with the real world
- 3.Be able to use life tables for calculating life expectancy of people
- 4.Be able to list the effects of growing population on the economy

Contents of the Syllabus

Module 1 : Population Studies

Demography- Meaning, significance, Techniques of demographic analysis, Relationship with other sciences, **Basic concepts of Demography**- Population Pyramid, Density of Population ratio, Population Growth and Population Trap.

Basic principles of measurement of population growth.

Theories of population : Malthus, Ricardo, Marx, J. M. Keynes, Simon Kuznets. Theory and stages of Demographic Transition

Module 2 : Structure of Population

Structure of Population : Age and sex structure of population in developed and less

developed countries. Composition of Indian population with respect to age, sex, and occupation. Decline in female-male ratio in Indian population; Causes of declining FMR in India., and mortality, Sources of demographic data in India: Census, Evaluation of Population

Policy in India: Family Planning Programme; policy on social welfare, reducing mortality and improving quality of life. Policy on reproductive and child health and new reproductive technologies. Policy issues related to population and economic growth.

Books Recommended :

1. Agarwala, S. N. (1972). India's Population Problem, Tata McGraw-Hill, Bombay.
2. Bhende, A. A. and T. Kanitkar. Principles of Population Studies, Himalaya Publishing House, Bombay.
3. Shrivastava, O. B. (1996). A Textbook of Demography, Vikas Publishing House, New Delhi.
4. Misra, B. D. (1996). An Introduction to Study of Population.
5. Pathak, K. B. & ram F. Techniques of Demographic Analysis, Himalaya Publishing House, Bombay
6. Bose, A. (1996), India's Basic Demographic Statistics, B. A. Publishing Corporation, New Delhi.
7. Choubey, P. K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
8. Gulati, S. C. (1988), Fertility in India; An Econometric Study of a Metropolis, Sage, New Delhi.
9. Simon, J. L. (1992), Population and Development in Poor Countries, Princeton University Press.
10. Srinivasan, K. (1998), Basic Demographic Techniques and Applications Sage, New Delhi.
11. Srinivasan K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.

M.A. Part – I: Semester – I (Elective)

MEC1E05: Public Economics

Course objectives:

The basic objective of the course is to understand conceptual frame work of public economics which are used in public policies and annual budgeting. The course will impart the knowledge about various sources of the government income and expenditure, income distribution,

different development policies, Public Debt and Centre and State relationship

Course Outcomes:

Upon successful completion of this course, students will be able to:

1. Understand the role and functions of the Government in the various economic perspectives and rationales behind various public sector activities, theory of public choice, various economic issues related to allocation of resources and solutions to complex economic problems.
2. Various theories, sources of the public revenue with its impact and different theories related to public expenditure, role of public expenditure to achieve economic stability and social cost benefit analysis.
3. Concept of public debt, its types and sources. Debt management and redemption along with the impact on economy.
4. Formulation and execution of the Budget, various techniques and trends of the budgeting, types of the budget and will take appropriate economic judgment. Role and impact of fiscal policy. Economic issues related to the fiscal imbalance. Importance of the finance commissions.

Contents of the Syllabus:

Module 1: Introduction to Public Finance Role of Government:

Public Finance- Origin of Public Finance, Meaning, Scope, Distribution between Private and Public Finance, Basic Economic Systems and role of Public Sector, Public Goods, Social Goods, Merit Goods and Mixed Goods- meaning & characteristics

The principle of maximum social advantage – Musgrave's views – Mrs. Hicks optima of public policy – Externalities and public goods – theory of second best – public choice theory.

Module 2: Public Choice Theory

Private and public mechanism for allocating resources; Problems for allocating resources; problems of preference revelation and aggregation of preferences; Voting systems; Arrow impossibility theorem; An economic theory of democracy; Politico-eco-bureaucracy; Rent seeking and directly unproductive profit seeking (DUP) activities.

Module 3: Principles of Taxation and Public Expenditure

Principles of Taxation, traditional and Modern Approaches, Benefit approach – ability to Pay Approach, Laffer Curve - Taxable capacity, Colin Clark and Musgrave's view, taxable capacity v/s optimum budget, classification of Public Expenditure and Effects of Public Expenditure. Rise in public expenditure, theories of public expenditure, Classification of Taxation, Effects of Taxation, Incidence and shifting of Taxation. Economic stability and cost benefit analysis.

Module 4: Government Budget, Fiscal Federalism and Public Debt and Fiscal Policy

Concept of budget and theories of budget, classification of budgets, various types of budget and budgeting concepts, Current year budget analysis.

The Concept of Fiscal federalism, division of power and functions, division of resources, working of Indian fiscal federalism, Finance Commissions of India, Review of current Finance Commission.

Public Debt - Meaning, Classification, Management & redemption. Deficit financing- meaning, need, effects

Books Recommended:

1. Atkinson, A.B. and J.E. Stiglitz (1980): Lectures on Public Economics, Tata McGraw Hill, New York.
2. Auerbach, A.J. and M. Feldstein (eds.) (1985): Handbook of Public Economics. Vol.1, North Holland, Amsterdam.
3. Bhargava, P.K. (1984): Some Aspects of Indian Public Finances, Uppal Publishing House, New Delhi
4. Lekhi, R. K. (2016), Public Finance, , Kalyani Publication, New Delhi
5. Bhatia, H.L. (2000): Public Finance, Vikas Publishing House Pvt. Ltd. Delhi.
6. Chellai, Raja J.(1997), Towards Sustainable Growth, Oxford University Press, New Delhi.
7. Gandhi, V.P. (1970): Some Aspects of India's Tax Structure, Vora and Company, Bombay.
8. Mundle, S. (1999), Public Finance Policy: Issues for India, Oxford University Press, New Delhi.
9. Richard A. Musgrave (1989), Public Finance in Theory and Practice McGraw Hill Book Company, New York.
10. Indian Finance Commission Reports.

M.A. Part – I: Semester – I (Elective)

MEC1E06: Industrial Economics

Course Objectives

This paper will make aware learners about the factors helping industry, other areas supports it, market structure, also to focus on financial institutions, policies and theories of location. It also focuses on aspects related to industrial growth.

Course Outcomes:

Upon successful completion of this course, students will be able to:

1. Develops students' understanding of the historical background of industrial development, industrialization and location of industries.

2. Have a knowledge of various concepts of productivity & efficiency and measure to improve it.
3. Understand the role and sources of industrial finance
4. To examine the industrial economy of India.

Contents of the Syllabus :

Module 1: Industrialisation and Location of Industries Introduction of industrial economics; Role of Industrialization in Economic Development; Factors for and against industrial development; Role of Technology and Skills in Industrialisation; FDI and Technology Transfer, Technological Spill overs; Globalisation and Technology Intermediation; Types & objectives of a firm; Industrial Location: Meaning & Determinants of Industrial Location; Weber's & Florence's Theories of Industrial Location

Module 2: Industrial Productivity and Profitability Industrial Efficiency: Meaning & determinants of efficiency; Productivity: concept and Measurement, Distinction between productivity & production. Factors affecting Productivity. Measures required for Improving Productivity and Efficiency; Profitability & Investment analysis: Meaning & measurement of profitability; Assessment of financial soundness of the firm: Ratio analysis, Break Even analysis. Investment decisions: Nature & types, Methods of evaluating investment expenditure – Payback method, ARR, NPV and IRR. Ranking of Projects.

Module 3: Industrial Finance, Uncertainty & Insurance Sources of industrial finance (short & long term); Cost of capital to industries; Capital structure decision; working capital financing; long term asset financing, Institutions for industrial finance, Venture capital financing, Uncertainty in industrial organisation, Determinants of demand for insurance.

Module 4: Industrial Structure of India Industrial Profile of India, Problems of Industrial sectors in India; Industrial sickness in India Causes & Consequence; Recent trends in Industrial growth. Start-ups in India; India's Industrial Policy-under regulation and deregulation. Liberalization & Privatization; Evolution of Privatization Policy in India & Its Methods; Critique of Privatization & Disinvestment; Competition Policy: Objectives, Difficulties & Policy in Practice.

Books Recommended:

1. Barthwal R.R. (2019), 'Industrial Economics,' New Age Publications
2. Das Keshab (2011) 'Micro and Small Enterprises in India: The Era of Reforms' Routledge India
3. Flanagan Robert J. (2006) 'Globalization and Labor Conditions: Working Conditions and Worker Rights in a Global Economy, OUP

4. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi
5. Jaya Prakash Pradhan (2008) 'Indian Multinational in the World Economy: Implications for Development', Bookwell Publications
6. Khanna Tarun (2008) 'Billions of Entrepreneurs: How India and China are Reshaping their Future and Yours' Penguin India
7. Gupta Parul (2019) 'Industrial Relations and Labour Laws for Managers' Sage Pub.
8. Sharma RC (2016) 'Industrial Relations and Labour Laws' PHI Learning
9. Sinha P.R.N., Indu Bala Sinha (2017) Industrial Relation Trade Unions and Labour Legislation Pearson Publication. New Delhi
10. Saumitra Mohan (2018) "Indian Policy and Development: A Manual for National Schemes and International Policies" McGraw Hill Education
11. Industrial Economics [E-Book] -SBPD Publications By Dr. S.B. Gupta, SBPD Publication-2020

Recommended Journals:

Applied Economics- Taylor & Francis Online International Journal of Economics and Business research- Inderscience International Journal of Industrial Organization- Elsevier The Journal of Industrial Economics- Wiley The Journal of Industrial Economics- Scimago

M.A. Part – I: Semester – I (Elective)

MEC1E07: Mathematical Economics - I

Course Objectives:

The course is based on basic calculus and application to the discipline of Economics that would enable students to comprehend mathematical modeling techniques that can be applied to various economic scenarios/problems to find solutions.

Course Outcomes:

Upon successful completion of this course, students will be able to:

1. Students will understand the basic mathematical techniques of economic analysis.
2. Students will learn the use of basic calculus for univariate and multivariate functions.
3. Students will comprehend economic applications of calculus and linear algebra.
4. Students will be able to apply fundamental concepts of integration and techniques of optimization

Contents of the Syllabus :

Module 1: Foundations of mathematics: Importance of Mathematical Methods in Economic

Analysis; Theory of Sets: Concept, types and operations; Equation of a straight line; Solving linear, quadratic and cubic and simultaneous equations; Functions: Linear, Quadratic, cubic, exponential, power and logarithmic functions.

Module 2: Differentiation (one variable case): Limit and continuity of a function; Rules of differentiation; first order and higher order derivatives; Application of First-order and higher order Derivatives in Economics of function with one variable. Applications in Economics: Behavior of average cost with production for linear cost functions; Derivation of marginal functions (marginal cost, marginal revenue; marginal utility), etc.

Module 3: Partial and total derivatives: Function of two or several variables; Techniques of partial differentiation: first and second order, Economic application of partial derivatives; Total Differential: concept and rules and economic applications. Applications in Economics: Problems relating to indifference curve, isoquant, production function, determination of partial elasticity of demand, etc.

Module 4: Integrations and optimization: Rules and methods of integration; Definite Integrals; Economic applications of integration. Applications in Economics: Derivation of total function from marginal function (total cost, revenue or profit); Estimation of consumer's surplus and producer's surplus.

Optimization: Constrained and unconstrained optimization and application in Economics. Applications in Economics: Cost minimization, revenue maximization, profit maximization and equilibrium of a firm; Consumer's utility maximization, discriminating monopoly, etc; Application of equality constrained optimization to consumer's equilibrium in commodity market and producer's equilibrium in factor market.

Books recommended:

1. Mathematics for Economists : Mehta- Madnani, Sultan Chand & Sons
2. Mathematics for Economics & Business, R S Bhardwaj, Excel books
3. Essential Mathematics for Economic Analysis, Knut Sydsæter and Peter Hammond with Arne Strøm, Pearson Education Limited

M.A. Part – I: Semester – I (Elective)

MEC1E08: Indian Economic Policy – I

Course Learning Objectives-

The purpose of this course is to give students an understanding of the various dimensions of the nature and characteristics, growth and Structural Change in the Indian economy. As well

as the historical perspective of the Strategy of planning & Appraisal of various reforms that were carried out by different sectors like human development, Environmental Protection & status of Sustainable Development of the Indian economy. Students will gain a better understanding of how the Indian economy is shaped by the special circumstances of land reforms, as well as the major trends in agriculture production and productivity, the black economy, and the effects of COVID.

Learning Outcomes-

Upon successful completion of this course, students will be able to:

1. Acquire a basic understanding of the nature and characteristics, growth and Structural Change in the Indian economy.
2. To understand the progress of human development, Environmental Protection & status of Sustainable Development.
3. To know the Objectives and Strategy of planning & Appraisal of Economic reforms of the Indian planning era.
4. Critically evaluate the status of the agriculture Issues with Land Reforms & Identify the major Trends in Agricultural Production and Productivity.

Contents of the Syllabus :

Module 1: Introduction of Indian Economy

Nature of Indian Economy- India as a Developing Economy

Growth and Structural Change in the Indian Economy

Infrastructure: Transport, Communications, Energy- Conventional & Non-Conventional energy & Policy

Social Infrastructural Developments –Shelter, Education & Health –Recent issues & Development

National Income: Trends in NNP, Per Capita National Income, National product by Industry origin, **Gross Value Added (GVA)**

Module 2: Human Development and Environment Issues (SDGs)

Human Development- Essential Components & Index of Human Development, HDI, GDI, MPI

Links between Economic Growth and Human Development

Recasting Planning in Terms of Human Development

Environmental Protection & Sustainable Development

Growth and Environmental Degradation

Environment policy in India, Global Concerns

Role of Natural Resources & Economic Factors in Economic Development

Non-Economic Factors in Economic Development

Module 3: Economic Planning & Policy in India:

Objectives and Strategy of planning; Appraisal of Economic Reforms

Inclusive Growth Strategy- 11th and 12th five years Plan, Assessment of Indian Planning- NITI Aayog

Economic Reforms- Origin, Structural, Recent Economic Policy Reforms

Black Economy- Define, Methods, Causes, Consequences & Gov. Measures

COVID and Indian Economy

Developing Grass-Root Organizations for Development- N.G.O.s and Pressure groups

Module 4: Agriculture Issues & Major Trends

Poverty and inequality- Nature, policy & implications, Universal Basic Income- **UBI**

Employment and Unemployment- Trends, policy, Programmes in India

Land Reforms & Issues

Agricultural Production and Productivity- Trends, causes & Measures

Agricultural Finance & Marketing

Issues in Food Security- Policies for sustainable agriculture.

Books Recommended:

1. Uma Kapila, Indian Economy (2019), 20th Edition, Academic Foundation Publication.
2. Datta and Sundaram, Indian Economy (2021), Latest Edition, S. Chand Publication.
3. Misra S.K and V. K. Puri, (latest 39th Edition): Indian Economy, Himalaya, Publishing house, Mumbai.
4. Agarawal A.N. (2006): Indian Economy: Problems of Development and Planning (2006): A Division of New Age International (P): Limited, New Delhi.
5. Bhargava, P. K. (1991), India's Fiscal Crisis, Ashish Publishing House, New Delhi.
6. Bhole, L. M. (2000), Indian Financial System, Ghugh Publications, Allahabad.
7. Brahmananda, PR. And V.R.Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-state Perspectives, Book well, Delhi.
8. C.Rangarajan, (2000), Perspectives on Indian Economy -A Collection of Essays, UBSPD publishers Distributors Ltd., New Delhi.
9. Dantwala, M.L. (1996), Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
10. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.

11. Dhingra I. C. (2002): Indian Economy S.Chand New Delhi.
12. Dutt R and KPM Sundharam (2002): Indian Economy: S.Chand New Delhi.
13. Government of India, Economic Survey (Annual), Ministry of Finance, New Delhi.
14. Gupta, S. P. (1998), Post-Reform India: Emerging Trends, allied Publishers, New Delhi.
15. Hanumantha Rao C.H. and H. Linnemann (Eds)(1996): Economic Reforms and Poverty Alleviation in India Sage, New Delhi.
16. Misra S.K. and V.K.Puri, (latest): Indian Economy, Himalaya, Publishing house, Mumbai.

M.A. Part – I : Semester – I (Elective)

MEC1E09 : Economics of Physical Infrastructure

Course Learning objectives:

This paper introduces the Types and importance of Infrastructural Development of Indian Economy. Students will study the current Infrastructure policy of Indian Economy. To make aware of Infrastructure investment in the country to the students. To study the role of Transportation, Tourism, Energy, Communication and Information Technology in Indian Economy. Use the knowledge of the subject for employment in competitive examinations, banks and financial institutions. Explain the role and importance of Social Infrastructure in Indian Economy.

Learning outcomes:

Upon successful completion of this course, students will be able to:

1. Students will be able to Identify the role and importance of Infrastructure in Indian Economy.
2. Discuss the Infrastructure policy introduced in recent times.
3. Use their knowledge to understand and evaluate current situation of Infrastructure in Indian Economy.
4. It will be useful to understand the role of various Physical and Social Infrastructure in Indian Economy.
5. Use the knowledge of the subject for competitive examinations.

Contents of the Syllabus:

Module I: Infrastructure and Economic Development

Infrastructure Development in India: Meaning and Significance of Infrastructure, Nature of Infrastructure, Measures to Develop Infrastructure

Profile of Physical Infrastructure -Rural and Urban Infrastructure, Special Economic Zones (SEZ)

FDI in Infrastructure- Public Private Partnership (PPPs) in Infrastructure

Infrastructure and Economic Growth, Need for Privatisation and Commercialisation of Infrastructure, Prerequisites for Private Investment

Module 2: Development of Transport in India

Transportation: Function, Means and Modes- Need for Integrated Transport System

Transport Development in India, Role of Transport System in India's Economic Development

-Indian Railways –Roads and Road Transportation –Shipping and Ports –Civil Aviation.

Growth of Railways in India : Modernisation of Railways, Policy Issues

Growth of Roads in India : Privatisation of Roads

Growth of Shipping, Growth of Air Transport

Progress and Policy Issues in transport infrastructure

Module 3: Energy sources

Types of Energy & Economic Development – Non-Renewable Energy : Petroleum, Natural Gas and Coal

Renewable Energy : Solar Energy, Hydroelectric Energy, Wind Energy, Nuclear Energy, Tidal Energy, Hydrogen Energy, Wood Energy, Energy from Biomass or Bio-fuel, Chemical Energy and Geothermal Energy.

Energy Problem in India : Energy Policy, Energy and Private Investment, Integrated Energy Policy

Energy crisis in India, Recent trends in demand and supply of Energy in India.

Energy Policy of India, India Energy Conservation

Module 4 : IT, Mining and water resources

IT infrastructure : Strategies of Indian IT-BPO Companies –IT in Banking -IT in Agriculture -Challenges Ahead.

Indian mining Industry : Mining Products in India

Oil and Gas Industry in India : Oil & Gas Refining in India

Water resources in India : Water Supply in India, Water Conservation, Water Management Policies of GoI, Water Reservoir Dams and Projects

Books Recommended:

1. Baru R.V: Private Health Care in India - Social Characteristics and Trends (Sage, New Delhi,1998)
2. Becker G.S: Human Capital (National Bureau of Economic Research, New York, 1974)

3. Berman P (Ed): Human Health Sector Reform in Developing Countries - Making Health Development Sustainable (Harvard Series on Population and International Health, Boston 1995)
4. Bhatia A.K: Tourism Development - Principles and Practices (Sterling, New Delhi 1996)
5. Jha R, Murthy M.N & Paul S: On fixing Prices for Postal Services in India (National Institute of Public Finance and Policy, New Delhi, 1990)
6. NCAER: India Infrastructure Report: Policy Implications for Growth and Development (NCAER, New Delhi, 1996)
7. Panchamukhi P.R: Economics of Health - A Trend Report in ICSSR, A Survey of Research in Economics, Vol.VI, Infrastructure (Allied, New Delhi, 1980)
8. Parikh K.S (Ed): India Development Report 1999-2000 (Oxford University Press, New Delhi, 2000)
9. Raghuram G & Rekha J: Infrastructure Development and Financing (Mac Millan, New Delhi, 1999)

M.A. Part – I : Semester - I (Elective)

MEC1E10 : Agricultural Economics

Course Learning objectives:

This paper Offer broad, integrative, cross-cutting experiences that prepare post graduates for careers in agriculture and related fields. The paper encourages students to critically assess agricultural issues and trends. It Provides students with opportunities to systematically develop discipline appropriate communicative, analytical, quantitative, problem solving and critical thinking skills. Delivers a high quality academic experience that prepares students for emerging professional opportunities. Assess the way in which price controls affect supply, demand, and equilibrium pricing in agricultural economics. Analyze the positive and negative effects of Marketing, Finance Farm Mechanization and Agricultural models on agricultural economics. Outline the evolution of the agriculture market over time. Identify factors resulting in global reductions in agricultural supply levels and evaluate the economics of agriculture policies.

Learning outcomes:

Upon successful completion of this course, students will be able to:

1. It will develop the Ability to critically evaluate options, and formulate plans that will ensure long term agricultural policies and sustainability.

2. Students will learn and identify the opportunities open/available in those flourishing sectors such as horticulture, fishing and floriculture and forestry. Find new investment opportunities to add income and employment.
3. Students will be able to understand limited resources available in the economy. Realize the need to exploit and utilize through development and improvement of production techniques.
4. The course will make them aware of the availability of rich natural endowments to achieve sustainable agricultural development.
5. Skills to effectively analyse, and scientifically evaluate agricultural problems and reach appropriate solutions

Contents of the Syllabus:

Module – 1 : Agriculture and Economic Development

Role of Agriculture in economic Development : Changing phase of Agriculture in Economic development. Interdependence of Agriculture and Industrial Development, Need for balance Development.

Agro and Food Processing : Structure and Classification.

Horticulture and Plantation : Fruits, Vegetables and Flowers

Organic Farming : Present status & Future scope, use of Hybrid Seeds

Module – 2 : Food Problem and Food Security :

Food Problem : Different Aspects of Food Problem after Independence.

Food Security : Public Distribution System, Buffer Stock Policy, Food Security and Poverty.

Food Security Act : Important aspects of Food Security Act. Impact of World Trade Organization on Food Security in India.

Revolution : Different types of Revolution in Agriculture

Module – 3 : Farm Mechanisation

Farm Mechanisation : Scope of Farm Mechanisation, Benefits of Farm Mechanisation, Types of Farm mechanization, Progress of Mechanisation; Preconditions for Mechanisation of Agriculture, Factors Responsible for Expanding Mechanisation, Causes for Slow Progress of Mechanisation.

Agriculture Market : Process of Agricultural Marketing, Functions of Marketing, Problems of Agricultural marketing, Govt Measures to Improve Indian Agricultural marketing, cooperative marketing

Module 4 : Rural Indebtedness and Agriculture Finance

Indian Farmers' Indebtedness : Extent of Rural Indebtedness; Debt - Position after Independence; nature of Indebtedness; Causes of Rural Indebtedness ; Evils/Effects of

Indebtedness; Govt. Measures to reduce Rural Indebtedness; Impact of Legislative Measures.

Agricultural Credit Institutions : Sources of Finance : Commercial Banks Functions, Regional Rural Banks, NABARD, Govt. Policy for Agricultural Credit

Co-Operative Credit Structure : Introduction; Three-Tier Structure; Primary Agricultural Credit Societies ; Central Co-operative Bank; State Co-operative Bank; Land Development banks ; Achievements of Co-operative Credit.

International Trade : WTO and Agreement on Agriculture(AOA), Globalization of Indian Economy and problems and prospects of Indian Agriculture., Impact of World Trade Organization on Indian Agriculture.

Books Recommended :

1. Acharya S. S. and Agarwal N.L. (1994), Agricultural Prices-Analysis and Policy, Oxford and IBH Publishing Co., Pvt. Ltd., New Delhi.
2. Agrawal A.N. & Kundan K.L., Agricultural Problems of India, Vikas Pub. House, New Delhi
3. Bhalla, G.S. (1994). Economic Liberalisation and Indian Agriculture, Institute for Studies in Industrial Development, New Delhi.
4. Bhupat M. Desai, N.V. Namboodiri (2001), : Organisation and Management of Rural Financial Sector, cases and Exercise, Oxford and IBH Publishing Pvt. Ltd., New Delhi, Calcutta.
5. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi.
6. Chada, G.K. and A.N. Sharma (1997). Growth, Employment and Poverty: Change and Continuity in Rural India, Vikas Publishing House, New Delhi.
7. Dantwala, M.L. (1996). Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
8. Dewett Kewal : Indain Economy C. Chand & Co. Ltd. New Delhi, latest version.
9. Gulab Nath Singh, Dal Singer Singh and Ram Iqbal Singh (1987), Agricultural Marketing in India (Analysis, Planning and Development), chugh publications, Allahabad.
10. Gulati, A. and Kelly, J. (1999), Trade Liberalization and Indian Agriculture, Oxford University Press, New Delhi.
11. Lekhi R. K. and Singh Joginder, Agriculatural Economics, Kalyani Publishers, Latest version.
12. Mamoria C.B., Agricultural Problems of India, Kitab Mahal Pub. Latest version.
13. Kapila Uma (ed) Indian Economy Since Independence. Academic Foundation
14. Rudra A. (1982), Indian Agricultural Economics, Myths and Reality, Allied Publishers, New Delhi.
15. Singh B.N.P. : Indian Economy Today : Changing Contours. Deep and Deep Pub.
16. Singh Acharya, Sagar - Sustainable Agricultural Poverty and Food Securities, Rawat

Publication Jaipur, Vol- I & II.

M.A. Part – I : Semester - I (Mandatory)

MEC1M11 : Research Methodology

Course Learning objectives:

It will enable students to understand concepts, approaches, and theories related to the research process. To enable the student to understand various methods of research, and apply them in their concerned disciplines and subjects. To enable the students to apply different methods and techniques for sampling and data collection. To enable the students to apply different techniques of data analysis to their concerned research areas To enable the student to develop research proposals, scientific writing and publish their own research work.

Learning outcomes:

Upon successful completion of this course, students will be able to:

1. Students will be enabled to understand and apply concepts involved in the research process to the areas of their concerned disciplines and subjects
2. Students will be enabled to understand and apply different research methods, and approaches to the areas of their concerned disciplines and subjects
- 3: Students will be enabled to design data collection tools, apply different methods of data collection, and use techniques of sampling in their concerned research area
- 4: Students will be enabled to apply different techniques of data analysis to their concerned research area
- 5: Students will be enabled to develop research proposals and Scientific Writing in their concerned research area.

Contents of the Syllabus :

Module I - Introduction to Research

Meaning, Characteristics of Research: Need of Research in Social Sciences, Objectives of Research, Types of Research: a) Basic Research, b) Applied Research, c) Descriptive Research, d) Analytical Research, e) Empirical Research, Issues and Problems in Research

Meaning of Research Methodology: Stages in Scientific Research Process, Identification and Selection of Research Problem, Formulation of Research Problem, Review of Literature, Formulation of Hypothesis, Formulation of research Design - Sample Design, Data Collection, Data Analysis

Module II - Research Design and Sample Design

Research Design – Meaning, Types and Significance

Sample Design – Meaning and Significance, Essentials of a good sampling, Stages in Sample

design Sampling methods/techniques Sampling Errors

Methods and Techniques of Data Collection

Types of Data - Primary Data – Meaning, Significance and Limitations, Secondary Data – Meaning, Significance and Limitations

Collection of Primary Data- Observation method, Survey through Questionnaire, Interview Technique

Collection of Secondary Data - Factors influencing choice of method of data collection, Designing of a questionnaire – Meaning, types of questionnaire, Stages in questionnaire designing, Essentials of a good questionnaire.

Module III- Hypothesis Testing & Interpretation of Data

Testing of Hypothesis : Steps in Hypothesis Testing, Procedure for Testing Hypothesis, Types of Hypothesis Testing – Parametric – t,f,z, Non-Parametric-Chi square, ANOVA

Interpretation of Data- Meaning, Significance and Precautions in data interpretation

Module IV – Research Report

Meaning and Importance of research report writing - Essentials of a good Research Report, Structure/ layout of Research Report, Types of Research Report, Steps in research report writing, Footnotes and Bibliography,

References and Citation methods- APA (American Psychological Association), MLA (Modern Language Association) and CMS (Chicago Manual Style)

Books Recommended:

1. Gupta S.L. and Hitesh Gupta, Research Methodology – Text and Cases with SPSS Applications, International Book House Pvt Ltd
2. Srivastava T N and Shailaja Rego, Business Research Methodology by, Tata Mcgraw Hill Education Private Limited, New Delhi
3. Krishnaswami, O.R., Methodology of Research in Social Sciences, Himalaya Publishing House
4. Kothari, C. R. (2005) Quantitative Techniques, New Delhi, Vikash publishing house
5. Gupta, Santosh (2005) Research Methodology and Statistical Techniques, Deep and Deep Publications.
6. Chandra A. and Saxena, T. P. (2000) Style Manual, New Delhi, Metropolitan Book Camp. Ltd.
7. Srivastava S.C., Foundations of Social Research and Econometrics Techniques, Himalaya publishing House
8. Creswell J. W. (1994) Qualitative Approach, New Delhi, Sage Publication. Gautam, N. C. (2004) Development of Research Tools, New Delhi Shree Publishers.