

B.A. Part III

Paper – I Introductory Macro Economic Theory

Section A

Basic Concept and methodology macro Economic variables .Real and nominal quantity. Stock and flow variables Value of money changes in the value of money (Inflation deflation and stagflation quantity Theory of money) Fisher Cambridge and Keynes theory of money demand.

Section B

The classical theory of saving interest investment wages and employment the complete classical model (say's law quantity theory of money price and wage flexibility) Keynesian model for determination of income and employment psychological law of consumption function and investment function multiplier and acceleration business cycle.

Section C

Nature and scope of public finance public good and private goods public revenue public expenditure and public debt fiscal policy. Features of international trade free trade and protection and its method (introductory) Economic growth and development factors affecting economic growth and development measures of development.

Paper – II (a): Applications of Mathematics in Economics

Section – A

Differential Calculus and Integral Calculus: Applications in Economics; Matrix and Determinants Solution of Simultaneous Equations; Maxima and Minima; Convexity and Concavity.

Theory of Consumer Behaviour: Nature of a Utility Function: Properties of an Indifference Curve, Maximization of Utility. Demand Functions- Ordinary and Compensated. Price and Income Elasticity Relations in Demand Analysis, Slutsky Equation in two Commodity Case, Elasticity Form and Important Results; Income and Leisure – Derivation of Labour Supply Function and its Properties.

Section – B

Theory of Firm: Production Function – Properties of a Well Behaved and Homogeneous Production Functions – Cobb-Douglas and CES Production Function; Product Curves; Output Elasticity of Factor Input; Properties of an Isoquant; Elasticity of Substitution of a Homogeneous Production Function – Linearly Homogeneous and Cobb-Douglas Production Functions; Optimization Behavior of a Firm- constrained Cost Minimization, Constrained Output Maximization and Profit maximization; Input Demand Functions- Properties and Derivation of Producer's Input Demand functions; Cost Functions- Properties and Derivation of Short Run and Long Run Cost functions; Consumer's and Producer's Surplus.

Section – C

Linear Programming: Graphical and Simplex Method (Maximization Problem Only); Input-Output Analysis: Concepts of Static, Dynamic, Closed and Open Input – Output Models, Hawkins-Simon Conditions of Viability, Determination of Gross Output, and Value Added in Open Input – Output Model; theory of Games: Two-Person Constant Sum Games, Zero-Sum Game, Maximum and Minima, Dominant Strategies and Saddle Point Solution; First Order Difference Equation-Cobweb Model.

(Note: Use of Non-Programmable Calculator is permitted.)

Books Recommended:

1. J.M. Henderson and R.L. Quant: Micro Economic Theory: A Mathematical Approach, McGraw – Hill, London
2. RGD Allen. Mathematical Economics, McMillan
3. B.C. Mehta: Mathematical Economics: Micro Economic Models, Sultan Chand & Sons. New Delhi
4. Alpha C Chiang fundamental Methods of Mathematical Economics McGraw-Hill, Kagakusha, Tokyo.

Paper – II (b) Environmental Economics

Section – A

An Introduction; Review of Microeconomics and Welfare Economics; the Theory of Externalities: Pareto Optimality and Market Failure in the Presence of Externalities; Property Rights and the Coase Theorem; Sustainable Development: Concept and Measurement.

Section – B

Development and Environment: The Environment Kuznets Curve; Trade and Environment; Environmental Problems; Trans-boundary Environmental Problems; Global Warming and Climate Change; Methods of environmental Valuation: Hedonic Pricing, Contingent Valuation Method and Travel Cost Method.

Section – C

International Environmental Policy: Conventions and Treaties, UN Effort to Protect the Environment, Stockholm, Rio, Johansberg, Agenda 21, OECD Environmental Committee Report. Kyoto, Convention of Biodiversity, Paris Climatic Conventions; environmental governance in India; WTO and Environment.

Recommended Books:

1. Charles Kolstad, Intermediate Environment, Economics Oxford University Press, 2nd edition, 2010
2. Robert N. Stavins (ed.) Economics of the Environment: Selected Readings, W.W. Norton, 5th edition, 2005.
3. Roger Perman, Yue Ma, James McGilvary and Michael common, Natural Resource and Environmental Economics, Pearson Education/Addison Wesley, 3rd edition, 2003.
4. Maureen L. Cropper and Wallace E. Oates, 1992, "Environmental Economics: A Survey", Journal of Economic Literature, Volume 30, pp. 675-740.

Paper – II (C): Economy of Rajasthan

Section – A

Position of Rajasthan in Indian Economy: Population, Area, Agriculture, Industry and Infrastructure. Population Size and Growth, District wise Distribution of Rural and Urban Population, Occupational Structure and Human Resource Development (Literacy, Health and Nutrition Indicators. Rajasthan's Physiographic: Physical division, climate, Soils Vegetation and Forests Natural Resources Endowments: Land, Water, Livestock and Wild Life Minerals and Mineral Policy of the State. State Domestic Products and its Trends. Agriculture: land Utilization, Cropping Pattern and Commercial Crops, Land reforms, Salient Features of Rajasthan Tenancy Act 1956. Importance of Livestock and Animal Husbandry, Dairy Development Programmers, Famines and Droughts in Rajasthan.

Section – B

Infrastructure in the State (Irrigation, Power, Road). Industrial Development of the state during five years plans (Agricultural based and mineral based Industries, Small Scale and Cottage Industries, Export Items, Rajasthan Handicrafts). Growth Centers and Development of Industrial Areas. Enterprises in Rajasthan. Role of Different Corporations in Industrial Development (RIICO, RFC & RAJSICO). Service Sector – Education, Health, Mid-day Meal Programmes. Banking and Insurance Services. Out Sourcing. Agriculture and Industrial Finance. Agriculture Insurance. Woman Empowerment and child Development. Tourism Development in Rajasthan.

Section – C

Economic Planning and Development in Rajasthan. Constraints in the Economic Development of Rajasthan. Special area Development Programmes in Rajasthan Problems of Poverty and Unemployment in Rajasthan. Panchayati Raj and Rural Development in Rajasthan. Budgetary Trends in Rajasthan. Centre-State Financial Relations. Economic Reforms and Liberalization in Rajasthan.

Books and Readings:

1. लक्ष्मीनारायण नाथूरामका, राजस्थान की अर्थव्यवस्था, रमेश बुक डिपो, जयपुर
2. Economic Review, Directorate of Economics and Statistics, Jaipur

Practical

PAPER III

1. Karl Pearson Correlation coefficient, simple regression (Only Two Variables)
2. Straight line Curve Fitting, Interpolation – Binomial and Newton Method
3. Report Writing and Preparing of questionnaire
4. Vivo Voce.