



Gyanveer University

Sagar (M.P.)



Ph.D Entrance Test Syllabus Session: 2024-25 Economics

Part A : Research Methodology

Part B : Economics

Part-A

Research Methodology

Unit – I : Fundamental of Research: Meaning of Research, Motivation and Objectives of Research, Research methods / vs Methodology. Types of research - Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical. Inductive and Deductive Research.

Unit – II : Research Formulation/Design: Concept, definition and Need of research Design, Advantage of formulating research design, characteristics of good research, formulating the research problem, Steps of Research, importance of literature review in defining a problem, Primary and Secondary data, Source of data authenticity, Reliability.

Unit – III : Hypothesis and Sampling: Definition of Hypothesis, Types of Hypothesis, Null hypothesis and Alternative hypothesis, type I and Types II error, Sampling Definition, difference B/W Population and sampling, types of sampling, probability and non- Probability Sampling.

Unit – IV:Data Collection and Analysis: Methods of data Collection- Questionnaire, Interview Schedule, Observation, Methods of observations, Collection, classification & diagrammatic representation of statistical data, frequency and frequency distribution, measures of central tendency: mean, median and mode. measures of dispersion: range, mean deviation, variance, standard deviation, standard error, skewness, kurtosis, regression & correlation, chi-square test, student's t-test, Parametric and non-parametric test, ANOVA and other statistical computer packages.

Unit – V :Report Writing : Need of Effective Documentation, Importance of report writing, Steps of Report Writing, Ethics in research, Bibliography and references, Types of Reference style- MLA, APA , plagiarism.



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Part-B

Economics

- Unit – I: Micro-Economic Analysis:** Theory of Demand- Axiomatic Approach, Demand Function, Demand analysis-Marshalling, Hicksian and Revealed preference approaches, Consumer Behaviour, theories of production and cost, Pricing and output under different forms of market structure- Perfect competition, Monopoly, Monopolistic competition and collusive and non- collective oligopoly , Game theory- Non collusive games, Factor Pricing analysis, General equilibrium analysis, Welfare Economics, Asymmetric information, Adverse selection and Moral hazard.
- Unit – II: Macro-Economics Analysis:** Determination of output and employment Classical and Keynesian approach, National income- Concept and measurement, concept of investment multiplier, consumption hypothesis, theories of investment and accelerator, Theories of demand for money – Keynesian and post Keynesian different approach to money supply, IS-LM model approach, inflation, types of inflation, Phillips Curve Analysis, theories of Business cycle.
- Unit – III : Money and Banking:** component of money supply, Role of banks -Central bank, commercial bank, instrument of monetary policy, Non-banking Financial Institutions, Functions of money Market and Capital market and its Regulation.
- Unit – IV :International Trade:** Concept of inter-regional and international trade, Classical and Modern theories of international trade, Terms of trade, Gain from trade, trade Multiplier, Exchange rate-Concept and theories, Foreign Exchange Market and arbitrage, Tariff and Non- Tariff barriers to trade, Dumping, Organization- GATT, WTO, World Bank, IMF and Regional trade block, Trade Policy issue. Balance of Payment: Composition, Equilibrium, disequilibrium and adjustment mechanism.
- Unit – V : Growth and Development:** Definition of Economic Growth and Economic Development, Theories of Economic Development: Adam Smith, Ricardo, Marx, Schumpeter, Rostow, Balanced & Unbalanced growth, Big Push approach. Models of Economic Growth: Harrod- Domar, Solow, Robinson, Kaldor Technical progress – Disembodied & embodied; endogenous growth Indicators of Economic Development: PQLI, HDI, SDGs Poverty and Inequalities – Concepts and Measurement, Social Sector Development: Health, Education and Gender
- Unit – VI :Public Finance:** Role of the Government in economic activity- Allocation, distribution and stabilization function, Public, Private and Merit goods, Externalities,



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Budget- types of budget, Different concept of budget deficits, Budget Multiplier
Public expenditure- hypothesis, effect and evaluation, Public revenue- Different
approaches to the division of tax burden, Tax & Non-Tax Revenue, Direct & Indirect
Taxes, Progressive and non-Progressive Taxation, Incidence and Effects of Taxation,
Public Debt- Source, effect, burden and its management, Fiscal Policy and its
implications.

Unit – VII :Indian Economy: Meaning, Nature, Structure and characteristics, Indicators of
development: Physical quality of life index (PQLI), Human Development
Index(HDI), Gender Development Index(GDI), Purchasing Power Parity(PPP),
Human Infrastructure and Resource of Indian Economy, Demographic Feature in
India, Census 2011, Rural Development – Issues, Challenges & Policy Responses,
Urban Development – Issues, Challenges and Policy Responses. Foreign Trade:
Structure and Direction, BOP, Flow of Foreign Capital, Trade Policies, Reforms in
Land, Labour, and Capital Markets, Centre-State Financial Relations and Finance
Commissions of India; FRBM, Poverty, Inequality & Unemployment, Govt. Policies

Unit – VIII : Economic Growth in India: Agriculture: Pattern & Structure of Agriculture
Growth, Major Challenges, Policy Responses, Agriculture Reform in India,
Industry: Pattern & Structure of Industrial Growth, Major Challenges, Policy
Responses, Infrastructure Development: Physical and Social; Public-Private
Partnerships, **Services:** Pattern & Structure of Growth, Major Challenges, Policy
Responses,

Unit – IX : Environmental Economics and Demography: Population and Economic
Development- interrelation between population development and environment
sustainable development, Environment as a Public Good, Coase Theorem, Cost-
Benefit Analysis and Compensation Criteria, Valuation of Environmental Goods,
Theories of Population, Concepts and Measures: Fertility, Morbidity, Mortality, Age
Structure, Demographic Dividend, Life Table, Migration.

Unit – X: Statistics and Econometrics: Probability Theory: Concepts of probability,
Distributions, Moments, Central Limit theorem, Descriptive Statistics – Measures of
Central tendency & dispersions, Correlation, Index Numbers, Sampling methods &
Sampling Distribution, Statistical Inferences, Hypothesis testing, Linear Regression
Models and their properties – BLUE, Identification Problem, Simultaneous Equation
Models– recursive and non-recursive, Discrete choice models, Time Series Analysis