



RAJ RISHI BHARTRIHARI MATSYA UNIVERSITY, ALWAR

PRE PH.D. ENTRANCE TEST (PET) 2017- SYLLABUS
SUBJECT- ECONOMICS

Section A

Theory of Consumer Behaviour and Demand Analysis, Revealed Preference Theory, Consumer Behaviour under Conditions of Uncertainty, Theory of Production and Costs, Pricing and Output under different Forms of Market Structure, Collusive and Non-collusive Oligopoly, Factor Pricing Analysis, General Equilibrium and Welfare Economics.

National Income Accounting, Determination of Output and Employment – Classical Approach, Keynesian Approach. Concept of Investment Multiplier, Relative roles of Monetary and Fiscal Policies- IS-LM Curve Analysis, Output and Price Determination (aggregate supply and aggregate demand curve analysis), Learning-Mullall, Open Economy Model, Consumption Hypotheses, Theories of Investment and Accelerator, Demand for Money – Fisher and Cambridge Versions, Approaches of Keynesian, Friedman, Baumol and Tobin, Money Supply and its Determinants, High-Powered Money, Money Multiplier, Phillips Curve Analysis, Business Cycles- Models of Samuelson and Hicks.

Section B

Applications of Measures of Central Tendency, Dispersion, Skewness and Kurtosis.

Correlation: Pearson's product moment and Spearman's rank correlation their properties; Partial and multiple correlations, Linear Regression.

Index Numbers and Time Series Analysis, Statistical Inferences- Sampling Distributions (t , χ^2 , F and Z tests), Association of Attributes, Testing of Hypothesis, Sampling Techniques and Sampling Errors. Theory of Probability (Binomial, Poisson & Normal Distribution)

Matrices – types, simple operations, Matrix inversion, Determinants – Properties and Use in Economics. Differentiation – Total and Partial, Unconstrained and constrained optimization, Integration – Simple and Definite. Application of Differential and Integral Calculus in Theories of Consumer Behaviour, Production and Pricing under Different Market Conditions, Input-Output Analysis, Linear Programming, Game Theory – Strategies, simple and mixed, value of game, saddle point solution, simple application.

Section C

Population Growth and Policy. Poverty and Unemployment – Measurement and Policy Issues. Agriculture- Institutional and Technological Changes. Farm Prices and Food Policy. Industrial Policy and Liberalisation, Foreign Investment and Management of Foreign Exchange. Foreign Trade Policy and Balance of Payment Position in recent years.

Indian Planning – Objectives and Strategies, Problem of Inflation.

Indian Banking – Bank Nationalization and Emergence of Social Banking.

Priority Sector Lending and Advances to Weaker Sections and Their Problems.

Financial Sector Reforms.

Monetary Policy of RBI – Objectives, Price Stability and Economic Growth.

Institutional Finance for Development.


Fiscal Federalism – Theory and Problems. Union-State Financial Relations and Problems.

State Finances – Trends and Problems. Fiscal Policy and Fiscal Reforms in India.

Development Planning – Capital Output Ratio, NPV, IRR and Social Cost-Benefit Analysis.

Growth Models – Harrod-Domar Model, Solow Model and Kaldor Model, Endogenous Growth model. Technology and Growth – Hicks, Harrod and Solow – neutrality of Technical Change,

Embodied and Dis – embodied Technical Change.


Coordinator, PET 2017
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