

মহাপুরুষ শ্রীমন্ত শঙ্করদেব বিশ্ববিদ্যালয় MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA



SYLLABUS OF MSSVRAT

Paper- II

Programme: Ph.D. in Economics

Department of Economics

Code: RAT-ECO-02

Subject: Economics

Total Marks: 50

Unit I: RESEARCH METHODS IN ECONOMICS:

Social Science research and its Objectives – Types: Participant Observations, Action research, Community based research; quantitative and qualitative research, research in Economics and its problems, Literature review, construction of conceptual framework, formulation of hypothesis, Data – Secondary and primary– preparation of questionnaire; sampling problems: methods of Sampling, Field Survey, report writing.

Unit II: MICRO ECONOMIC ANALYSIS:

Ordinal and Cardinal Analysis, Indirect Utility Function and Roy's Identity, Production Function-Returns to Scale and Returns to Factor- Elasticity of Substitution; Forms of Production Function, Perfect Competition - Characteristics, Equilibrium of Firm and Industry, Critique; Monopoly and Monopolistic Competition – Price Output Determination; Price Discrimination; Oligopoly-Collusive and Non Collusive- Cartels and Price Leadership- Cournot model.

Unit III: MACROECONOMIC ANALYSIS:

Classical Model of Full Employment; Keynes Criticism of Classical Theory, Keynesian theory of Income, Employment, Interest; Multiplier , Liquidity Preference Theory and Rate of Interest; IS-LM Model-Extension of IS-LM Model in an Open Economy (Mundel Fleming Model)- IS-LM Model with Flexible Prices; Real Balance Effect and Patinkin Model of Full Employment Equilibrium , Keynesian Consumption Function in Long Run; The Relative Income Hypothesis, The Permanent Income Hypothesis, The Life Cycle Hypothesis; Random Walk Hypothesis.

Unit IV: PUBLIC ECONOMICS:

Role of the state in economic activity: Allocation, distribution, stabilization functions; Private, Public and Merit goods; The Public Budgets, Zero-base budgeting; Public Expenditure; Hypotheses; effects and evaluation; Taxation; Public Debt: Sources, effects, burden and its management; Fiscal Federalism: Theory and problems; Problems of Centre-State Financial in India.

Unit V: INTERNATIONAL TRADE AND FINANCE:

Theories of International Trade; Terms of Trade and Economic Growth; Disequilibrium in Balance of Payment; Foreign trade multiplier; Impact of Tariffs, Partial and general equilibrium analysis; Tariff and non-tariff Barriers; IMF, World Banks; Monetary reforms in India; Trade Policy and Reforms in India.

Unit VI: INDIAN ECONOMY:

Recent changes in Indian Economy: Agriculture: Land Reforms and Green Revolution; New agricultural policy; New industrial policy; Money and banking: Concepts of money supply, inflation, monetary policy: Financial sector reforms; Public finance: Trends in revenue and expenditures of the Central and Governments, Public debt; analysis of the Union Budget; Foreign trade: Trends, Balance of payments and trade reforms Poverty, unemployment, Inequality and environment.

Unit VII: STATISTICAL ANALYSIS:

Types, Sources, techniques of data collection, Sampling versus Census, sampling techniques; Correlation and Regression: Correlation and Regression Analysis; Probability and Distribution: Probability; Rule of probability (Addition and Multiplication); Theoretical distribution: Binomial, Poisson and Normal Distribution with their properties; Tests of Hypothesis: Student's t-tests, Z-tests, chi-square test, F-test, and analysis of variance.

Unit VIII: ENVIRONMENTAL ECONOMICS:

Externalities; Market failure in case of environmental; Economic incentives for environmental protection; Environmental accounting; Global efforts for environmental protection; Environment policy framework in India: Problems of command and control Regime; Environmental legislation and implementation; Development and degradation; poverty, population and political economy; Water pollution and existing pollution control mechanism.

Unit IX: ECONOMETRICS ANALYSIS:

Ordinary Least Square, Assumptions, Estimation and Properties; Multiple Regression with two explanatory variables; Linear Regression Models and their properties – BLUE; General linear Regression models. Econometric Problems: Multicollinearity, Heteroscedasticity and Autocorrelation; Statistical Inferences, Hypothesis testing Time Series Analysis; Determination of Linear trend and seasonal indices; Dummy Variables techniques.

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Dr. Ajit Debnath

Head & Associate Professor, Department of Economics