



Raj Rishi Bhartrihari Matsya University
Alwar

SYLLABUS

(Three/Four Year Under Graduate Programme in Science/Social Science)

ECONOMICS

IV & V Semester

2025-26

Raj Rishi Bharatri Matsya University Alwar

Syllabus B.A. part-III Sem-~~IV~~ V ✓

Paper 1: Introduction To International Trade, Development And Public Economics

Section-A

Features of International Trade, Gains from Trade. Trade Theories: Adam Smith, Ricardo, Harberler, Mill and HO Theory (Elementary treatment). Free Trade and Protection, foreign Exchange Market and Exchange Rate. Balance of Trade And Finance of payment: Definition and Structure, International Monetary Fund, WTO scope and Impact.

Section-B

Economic Growth and Development: Factors affecting Economic Growth, Measures of Development , Lewis Theory of Unlimited Supply of Labor, Balanced V/S Unbalanced Growth Model, Harrod Domer and Solow Models, Concept of Poverty and Inequality. International Bank for Reconstruction and Development, Asian Development bank.

Section-C

Nature and Scope of Public Finance.Role of Government in the Economy.Public Goods and Private Goods.Theory of Maximum Social Advantage, Optimal Budgeting. Public Revenue: Canons of Taxation, Impact, Incidence and Shifting of Taxation. Direct and Indirect Taxation, GST, Public Expenditure: Canons of Public Expenditure, Classification and Effects on Production and Distribution. Public Debt: Meaning Objectives and Burden Theories. Fiscal Policy: Meaning, Objectives and Anti-Inflationary Policy.

Books Recommended :

1. R.N Musgrave and P.B Musgrave. Public Finance in Theory & Practice, McGraw Hill Publication.
2. S. Ganguly, Public Finance, The World Press Pvt. Ltd.
3. H.L. Bhatia, Public Finance, Vikas Publishing House Pvt. Ltd.
4. John Callas and Philip Jones, Public Finance and Public Choices, Oxford University Press.
5. D. Salvatore: International Economics.
6. K.C Rana And K.N Verma: International Economics. (Hindi/English Edition)
7. B.O. Souderton & G. Reed: International Economics.
8. Michael P. Todaro, Economic development, Macmillan.
9. A.P Thirlwall, Growth and Development, Macmillan.
10. Debraj Ray, Development Economics, Oxford University Press.
11. S.k. Misra and V.K Puri, Economics of Development and Planning Theory Himalya Publishing House.

Dr. Rishi Bhatia

12. Syllabus UG Econ Practical-V

1. Public finance: - 1. Current issue on budget
2. Indian fiscal policy related current issue
2. International Economics:-1. Current Indian Foreign Trade – Trends and policy.
2. Current International Trade Related Issue.
3. Development Economics: - 1. Harrod – Domer Model
2. A Report writing on relative poverty in local area at Rajasthan.
4. Viva –Voce

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Syllabus B.A. part-III Sem-VI

Paper-I (a): Application of Mathematics in Economics

Section-A

Differential Calculus and integral Calculus: Application 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, Elasticity Relation 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 Homogenous Production Functions- Cobb- Douglas and CES Production Functions: 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 Behaviour 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.

Defy

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, Maximin and Minimax, 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. Quandt: Micro Economic Theory: A Mathematical Approach, McGraw-Hill London.
2. RGD Allen. Mathematical Economics, MrMillan
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 *Environmental Eco.*

Section--A

Environmental Economics: 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: Concepts 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 Environment 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 on Biodiversity, Paris Climatic Conventions; Environmental Governance in India; WTO and Environment.

Recommended Books:

1. Charles Kolstad, Intermediate Environmental 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 McGilvray and Michael Common, Natural Resource

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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 :equlation, Demographic Features, Occupational Structure and Human Resource Development (Literacy, Health and Nutrition Indicators). Natural Resources Endowments: Land, Water, Livestock and Wild Life, Minerals and Mineral Policy of the State. State Domestic Product: trends and Composition. Agriculture: land Reforms, Land Utilization, Cropping Pattern, Production and Productivity, Agriculture Finance, Marketing and Insurance., Importance of Livestock and Animal Husbandry, Dairy Development Programmes, Famines and Droughts in Rajasthan.

Section-B

Infrastructure in the State (Irrigation, Power, Road), Industrial Development of the State (Agricultural and Mineral Based Industries, Small Scale and Cottage Industries, Export Based Units, Rajasthan Handicrafts). Growth Centres and Development of Industrial areas.

Enterprises in Rajasthan. Role of Different Corporations in Industrial Development (RIICO, RFC & RAJSICO), Industrial Finance, Service Sector: Education, Health, 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. Woman Empowerment and Child Development. Problems of Poverty and Unemployment in Rajasthan. Panchayati Raj and Rural Development in Rajasthan. Budgetary Trends in Rajasthan. Centre State Financial Relations.

Books Recommended:

1. Economic Review, Directorate of Economics And Statistics, Department of Planning, Rajasthan Jaipur. (Hindi & English.)
2. Statistical Abstract Directorate Of Economics And Statistics. Department of Planning, Rajasthan Jaipur.

Ans. 32h

Indian U.S. Law Practice VI

1. Indian Customs Analysis
2. Law: state game, transition and tourism
3. English writing in contemporary development related issues
4. Project work in community in English (various trends) : Agriculture, Industries, Handicrafts, Minerals etc.
5. Video : A time

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