

B.A. SEM.VII (YEAR IV)

Economics

Core Paper-I

History of Economic Analysis

- Module-1 Ancient and Modern Indian Economic Thoughts: Kautilya, Thiruvallavar, Somedev Suri, G.K.Gokhale, M.Visesvaraya, C.N.Vakil, V.K.R.V. Rao, Vinoba Bhave.
- Module-2 The Socialist- St. Simon. Associationism- Robert Owen, Charles Fourier, F. Lassalle. The Historical School. The Nationalist-Friedrick List.
- Module-3 Neo-Classical Thought- Alfred Marshall: Utility Analysis. J.S.Mill, J.M.Keynes- Theory of Money, Trade Cycle. Henry Sidgewick, J.S.Nicholson.
- Module-4 Modern Economists- J.B.Clark, R.G.Hawtrey, D.H.Robertson, L.Robbins, Smt. Joan Robinson.

Basic Reading List:-

- 1- Dobb, Maurice- Theories of Value and Distribution since Adam Smith
- 2- Gide and Rist- History of Economic Doctrines
- 3- Grey, A.- History of Economic Doctrine.
- 4- Hazela- A History of Economic Thought.
- 5- Schumpeter, J.A.- History of Economic Analysis.
- 6- चतुर्वेदी, महेशचन्द्र एवं चतुर्वेदी, मिथलेश चन्द्र; आर्थिक चिन्तन का इतिहास, साहित्य भवन पब्लिकेशन, आगरा
- 7- पन्त, जे.सी. एवं सेठ, एम.एल.; आर्थिक विचारों का इतिहास, लक्ष्मी नारायण अग्रवाल, आगरा सिन्हा, वी.सी.; आर्थिक विचारों का इतिहास, मयूर पेपरबैक्स, गाजियाबाद



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Economics

Core Paper-II

Micro Economic Analysis

- Module-1 Consumer's Behaviour: Cardinal Utility Analysis; Marginal and Total Utility; Gossen's First & Second Law; Derivation of Demand curve from Utility Function. Indifference Curve Analysis: Consumer's Equilibrium; Income, Substitution and Price Effects; Derivation of Demand Curve from PCC; Application of Indifference Curve. Revealed Preference Theory. The concept of consumer's Surplus- Marshall and Hicks.
- Module-2 Elasticity of Demand: Types, measurement and factors affecting demand elasticity. Engel Curve and Income Elasticity. Demand Elasticity of Substitution. Relation among various types of elasticities. Elasticity of Supply.
- Module:3- Theory of Production: Production Function; Short-run and long-run Production Function, Linear and Homogenous Production Function. Cobb-Douglas Production Function; Producer's Equilibrium with help of Iso-product Curve; Returns to Scale; Ridge Lines.
- Module: 4- Market: Theories and Models Related to- Perfect Competition; Monopoly; Monopolistic Competition; Oligopoly and Duopoly.

Basic Reading List:-

- 1- Ahuja, H.L.; Advanced Economic Theory, S. Chand & Company, New Delhi
- 2- Das, S.P.: Microeconomics for Business, Sage Publication, New Delhi.
- 3- Koutsoyiannis, A.; Modern Microeconomics, Macmillan press, London.
- 4- Stonier and Hague: A text book of Economic Theory, Long Man Higher Education.
- 5- बंसल-अग्रवाल: व्यष्टि अर्थिक विश्लेषण, साहित्य भवन पब्लिकेशन्स, आगरा
- 6- लाल, एस.एन.: व्यष्टि अर्थशास्त्र, शिवम पब्लिशर्स, प्रयागराज



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Economics

Core Paper-III

Problems of Indian Economy: Basic Issues

- Module:1- Basic Features of Indian Economy: Basic Economic Indicators and their Importance. Changes in Economy in Planning Period, NITI Ayog and Post-Plan Development. Demographic Structure, Features and Population Policy. Occupational Distribution.
- Module:2- National Income: Concept, Trends, Compositions and Structural Changes; Income Distribution and Income Inequality, Regional Disparities.
- Module:3- Poverty in India: Concepts, incidence & extent of poverty in India. Absolute and Relative Poverty, Poverty Ratio; Multidimensional Poverty Index; Poverty Alleviation Programmes; Poverty and Unemployment.
- Module:4- Agriculture Sector: Role of Agriculture, Growth of Indian Agriculture. Institutional Aspects - Land Reform, Technological changes in Agriculture, Agriculture price Policy in India, Agriculture Finance, Agriculture Marketing.

Basic Reading list:-

- 1- Agrawal, A.N.: Indian Economy, New Edge Publications, New Delhi.
- 2- Dandekar, V.M. and Rath, N. : Poverty in India, Indian School of Political Economy, Bombay
- 3- Dutt R. and Sundaram, KPM: Indian Economy, S. Chand & Co. Ltd, New Delhi
- 4- Kapila, Uma: Indian Economy Since Independence, Academic Foundation, New Delhi.
- 5- Mishra, S.K. and Puri, V.K. : Indian Economy, Himalayan Pub., Mumbai.
- 6- Parikh, K.S., Indian Development Report- 1999-2000, Oxford University Press.



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Economics

First Elective Paper Statistical Methods

- Module-1 Correlation Analysis: Concept and Types of correlation, Degree of correlation, Karl Pearson's correlation and Spearman's rank method of correlation coefficient. Regression Analysis: Regression lines, Regression Equations, Regression coefficients, Regression Equation by Least Squares Method.
- Module-2 Interpolation and Extrapolation: Concept, use and assumption of interpolation and extrapolation, Direct Binomial Expansion method, Newton's method of advancing differences, Lagrange's method of interpolation and extrapolation.
- Module-3 Probability Theory: Concept, Origin and Development of Probability, Permutation and Combination Rules of Probability, Addition & Multiplication Theorem, Conditional Probability, Bernoulli's theorem, Inverse Probability.
- Module-4 Theoretical Frequency Distribution- Binomial, Poisson and Normal Distribution. Test of Significance- Large and Small Samples Tests, Chi-Square Test and Goodness of Fit. Basic idea of test of significance based on t, z and F distribution.

Basic Reading list:-

- 1- Elhans, D.N: Fundamentals of Statistics, Kitab Mahal, New Delhi.
- 2- Gupta, S.C.: Fundamental of Mathematical Statistics, Himalaya Publishing House, New Delhi.
- 3- गुप्ता, के.एल.: प्रारम्भिक सांख्यिकी, नवयुग साहित्य सदन, आगरा।
- 4- गुप्ता, वी.एन.: सांख्यिकी, साहित्य भवन, आगरा।
- 5- नागर, कैलाशनाथ: सांख्यिकी के मूल तत्व, मिनाक्षी प्रकाशन, मेरठ



6- सिंह, एस.पी.: सांख्यिकी:सिद्धांत एवं व्यवहार, एस. चन्द एण्ड कं. नई दिल्ली

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Economics
First Elective Paper
Infrastructure Development of India

- Module-1 Infrastructure: Meaning and Types. Infrastructure and Economic Development, Challenges of Infrastructural Development; Infrastructure as a public Good, Social and Physical Infrastructure, Special Characteristics of Public Utilities.
- Module-2 Transport: Role of Transport in Economic Development, Growth of Road Network in India; Transport Policy of India, The Structure of Transport Cost and Location of Economic Activities, Need for Privatisation in Transport Infrastructure, Public-Private-Partnership, Limitations of Privatisation Policy.
- Module-3 Social Infrastructure: Significance of Education in Economic Development; Expenditure on Education, Structure of Higher Education and Problems of its financing in India. Human Resource and Human Capital Development, Health Dimensions of Development, Determinants of Health- Poverty, Malnutrition, Illiteracy and Lack of Information, Financing of Health Care; Inequalities in Health.
- Module-4 Energy:- A Brief Introduction and Development of Energy Sector, Factors Determining Demand for Energy, Energy Conservation, Importance of non-conventional Energy Sources, Energy Crisis in India, Energy Modelling, Problems of Infrastructure Development in India.

Basic Reading list:-



- 1- Agrawal, A.N. and Agrawal, M.K. : Indian Economy, New Age International Pvt. Ltd. N. Delhi.
- 2- Crew, M.A. and Kleindorfer, P.R.: Public Utility Economics, Macmillan, London.
- 3- Government of India, Economic Survey (for different years).
- 4- Kapila, Uma: Indian Economy Since Independence, Academic Foundation, New Delhi.
- 5- Misra, S.K. and Puri, V. K. : Indian Economy, Himalaya Publishing House, N. Delhi
- 6- Parikh, K.S.: India Infrastructure Report 2012, Oxford University Press, N. Delhi.

B.A. SEM.VII (YEAR IV)

Economics

Second Elective Paper **Project Presentation**

The B.A. Students in the Seventh Semester (Second Elective) would be required to do project Work which is to be related to the elective area chosen by the students. The Project work would be evaluated by an internal and external examiner appointed by the university.



B.A. SEM.VIII (YEAR IV)

Economics

Core Paper-I

Advanced Economic Theory

- Module-1 Equilibrium Analysis: Types of Equilibrium; General and Partial Equilibrium; Cobweb Theorem. Hicksian Logical Ordering Theory of Demand. Alternative Theory of firm-Baumol; Williamson; Marris Model and Bain's Limit Pricing Theory.
- Module-2 Theory of Distribution: Marginal Productivity Theory of distribution, Modern Theory of Distribution, Euler's Theorem. Macro Theory of Income Distribution: Classical-Ricardo & Marx; Neo-classical – Kalecki and Kaldor.
- Module-3 Theory of Factor Pricing: Classical and Modern Theory of Rent; Quasi Rent. Theory of Interest: Liquidity Preference and Modern Theory of Interest (IS-LM). Theory of Profit-Knight and Shackle.
- Module-4 Welfare Economics: Positive and Normative Welfare Economics. Neo-Classical Welfare Economics: Marshall, Pigou, Pareto. New Welfare Economics: Kaldor-Hick's Criterion, Scitovsky's Double Criterion, Social Welfare Function, Arrow's Social Choice and individual Values.

Basic Reading List:-

1. Ahuja, H.L.: Advanced Economic Theory, S.Chand & Company, New Delhi
- 2- Das, S.P.: Microeconomics for Business, Sage Publication, New Delhi.



- 3- Koutsoyiannis, A.: Modern Microeconomics, Macmillan press, London.
- 4- Lipsey, R.G. and Chrystal, K.A.: Principles of Economics, Oxford Univ. Press.
- 5- Stonier and Hague: A text book of Economic Theory, Long Man Higher Education.
- 7- बंसल-अग्रवाल: व्यष्टि अर्थिक विश्लेषण, साहित्य भवन पब्लिकेशन्स, आगरा
- 8- सेठ, एम.एल.: माइक्रो अर्थशास्त्र, लक्ष्मी नारायण पब्लिकेशन, आगरा

B.A. SEM.VIII (YEAR IV)

Economics

Core Paper-II

Indian Economy: Industrial & External Sector

- Module-1 Industrial Sector: Growth and Structure of Indian Industries, Industrial Policy. Industrial Productivity- measurement and Trends. Public sector: Role, Performance and Reforms. Privatisation & Disinvestment.
- Module-2 Micro, Small and Medium Enterprises (MSMEs): Definition Role and Policies towards MSMEs, Small Sector Industrial policy, Industrial Sickness, Problem of underutilization of capacity.
- Module-3 Trends and performance in Services; Compositions and Direction of foreign Trade of India; Inflow and outflow of foreign capital and MNC's in India.
- Module-4 Economic Reforms: Fiscal and Financial Sector Reform; Globalisation of Indian Economy; WTO and its Impact on Indian Economy; Issues in competition and Safety Nets in Indian Economy.

Basic Reading List:-

1. Agrawal, A.N.: Indian Economy, New Edge Publications, New Delhi.
2. Dandekar, V.M. and Rath, N.: Poverty in India, Indian School of Political Economy, Bombay
3. Dutt R. and Sundaram, KPM: Indian Economy, S. Chand & Co. Ltd, New Delhi
4. Kapila, Uma: Indian Economy Since Independence, Academic Foundation, New Delhi.



5. Mishra, S.K. and Puri, V.K.: Indian Economy, Himalayan Pub., Mumbai.
6. Parikh, K.S., Indian Development Report- 1999-2000, Oxford University Press.

B.A. SEM. VIII (YEAR IV)

Economics

Core Paper-III

Research Methodology

- Module-1 Introduction of Research: Meaning, nature, scope and objectives of social research; Identification of Research problem: objectives, hypothesis, stages of scientific research; Motivating Factors of social research.
- Module 2 Research Design: Meaning and need of research design; Types of research design (Only introduction)- descriptive, exploratory, diagnostic and experimental.
- Module 3 Data Collection: Facts & features, Primary data collection methods- Direct observation, questionnaire, schedule, interview. Secondary data collection methods- Personal documents, Public documents and Limitation.
- Module 4 Data Presentation, Analysis and Report Writing: One dimensional diagrams; Two-dimensional diagrams; Graphs of time series; Graphs of frequency distribution, Types of Report, Research Report format- Documentation; Footnotes and Bibliography. Writing the Report-Presentation.

Basic Reading List:-

- 1- Gupta, S.C. (1993): Fundamentals of Applied Statistics, S.Chand & Sons, N.Delhi



- 2- Hans Raj: Theory and Practice in Social Research, Surjeet Publication, New Delhi, 1979
- 3- Kothari, C.R, (1998): Research Methodology Method and Techniques, Wiley Eastern Limited, New Delhi
- 4- Sadhu, A.N. and Singh, Amarjit: Research Methodology in Social Sciences, Himalaya Publishing House, Bombay, 1980.
- 5- Tandon, B.C.: Research Methodology in Social Science, Chaitanya Publishing House, Allahabad, 1979.

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Economics

Third Elective Paper

Industrial Economics

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| Module-1 | Introduction: Meaning, Need, Scope and Significance of Industrial Economics. Large and Small Scale Industries, Public Sector- Importance and Problems. Sources of Industrial Finance in India, Development of Financial Institutions and capital Market in India. |
| Module-2 | Industrial location: Factors Affecting Location of Industries. Theories of Location: Weber, Florence. Industrial Imbalance Causes and Measures. Determinants of Location. Project valuation method. |
| Module-3 | Scientific Management, Present Management Pattern in India, Worker Participation in Management, Rationalisation. |
| Module-4 | Industrial Efficiency Productivity and its measurement, Factors Affecting Productivity, Size of Firm and Productivity, Capacity Efficiency. |

Basic Reading List:-

- 1- Ahluwalia, I.J. (1985): Industrial Growth in India, Oxford University Press, New Delhi.
- 2- Barthwal, R.R. (1985): Industrial Economics, Wiley Eastern Ltd., New Delhi.
- 3- Desai, B. (1999): Industrial Economics in India (3rd Edition), Himalaya Publishing House, Mumbai.
- 4- Devine, P.J. & Jones, R.M. (1976): An Introduction to Industrial Economics, George, Allen and Unwin Ltd., London.




- 5- F., Cherunilam (1994): Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
- 6- Government of India, Economic Survey (Annual).

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Economics

Third Elective Paper

Environmental Economics

- Module-1 Environmental Economics - Meaning and scope. Environment and Economy: Neo-Classical and Ecological Economic Perspective, Interlinkages, Environment and Development Trade-off. Function of Environment.
- Module-2 Deviation from Economic Efficiency, Pollution and Externality, Environmental Quality as a Public Good, Case of Market Failure, Social Optimum Level of Pollution and changes it.
- Module-3 Economics of Environmental Regulations: Liabilities Laws, Allocation of Property Rights, Emission Standards, Pollution Tax and Transferable Pollution Permit.
- Module-4 Limits of Growth: Malthusian, Neo-Classical and Ecological Economic Perspectives. Sustainable Development: Concept, Rules, Approaches to Sustain ability and Indicators. Common Property Resources: Problem of Management, Issue of Climate Change & Lose of Biodiversity.

Basic Reading List:-

- 1- Ahmad, M. Hussen: Principle of Environmental Economics, Routledge Publisher



- 2- Bharucha, Erach: Environmental Studies, Orient Longman.
- 3- Bhattacharya, R.N.: Environmental Economics-An Indian Perspective, Oxford University Press.
- 4- Ehrlich, P.R. and Ehrlich, A.H.: Population, Resources Environment, W. H. Freeman & Co. LTD, Sanfranciso.
- 5- Thomas & Callan: Environmental Economics & Management, South-Western Pub.
- 6- मामा महेश्वरी : पर्यावरण अर्थशास्त्र- एक भारतीय परिप्रेक्ष्य, आनन्द पब्लिकेशन, नई दिल्ली

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Economics

Fourth Elective Paper

Project Presentation/ Field Visit

The B.A. Students in the Eight Semester (Fourth Elective) would be required to do project Work/ Field work which is to be related to the elective area chosen by the students. The Project work/ Field work would be evaluated by an internal and external examiner appointed by the university.

