

B.A. Semester 1

MICRO-ECONOMICS – I

Paper I

Definition, Nature, Scope and Methods of Economics. Equilibrium : Partial and General, Static and Dynamic. Micro and Macro Economics. Stable and Unstable, Unique and Multiple.

Theory of Demand: Utility Analysis of Demand. (Cardinal & Ordinal Approach)
Indifference Curve Analysis. Consumer's Equilibrium (Hicks and Slutsky). Giffen Goods. Applications of Indifference Curve Technique. Revealed Preference Theory. Elasticity of Demand. Consumer's Surplus.

Theory of Production : Returns to a Variable Factor. Production Possibility Curve. Production Function : Isoquants, Fixed Proportions and Variable Proportions Production Functions, Linear Homogeneous Production Functions. Returns to Scale. Optimum Factor Combination and Product Mix.

Cost of Production and Cost Curves : Total, average and marginal cost, Short Period cost and Long period cost. Supply. Revenue Curves - Total, average and marginal.

Recommended Reading: (Latest Editions) :

1. Ahuja, H.L.: *Arthic Sidthant*, S. Chand, New Delhi.
2. Samuelson and Nordhas, *Economics*.
3. Walton, G., *Price Theory and its Uses*.
4. Stonier and Hague, *A Textbook of Economic Theory*.
5. Lipsey, R.G., *An Introduction to Positive Economics*.
6. कै० पी० जैन, *अर्थशास्त्र के सिद्धान्त*, नवयुग साहित्य सदन, लोहामण्डी, आगरा।
7. एम० एल० झिंगन, *व्यष्टि अर्थशास्त्र*, वृन्दा पब्लिकेशन, दिल्ली।
8. एस० पी० सिंह, *माइक्रो अर्थशास्त्र*, एस० चॉद, नई दिल्ली।

B.A. Semester - 1

BASIC QUANTITATIVE METHODS FOR ECONOMICS-I

Paper II

*Note: Elementary Quantitative concepts with illustration from Economics with the help of graph and equations where ever possible. Proof of theorems is not expected.
(Simple Calculator without mathematical and statistical functions is allowed but candidates shall have to arrange the calculator at their own)*

Definition, Scope, Importance and Limitations of Quantitative Techniques and Statistics;
Techniques of Data Collection, Classification and Tabulation of Data. Diagrammatic and Graphic Representation of Data.

Measures of Central Tendency : Arithmetic Mean, Median, Mode. Geometric Mean. Harmonic Mean.

Statistical Investigation – Census Vs Sampling, Importance, type of sampling.

Variables, Functions, Identities, Slopes and Intercepts. Linear Equations in one Unknown. Simultaneous Equations in two variables, Use of Linear Functions in Economics. Differentiation of a Function. : Rules of Differentiation. Economic Applications of the Derivatives.

Determinant : Meaning, Rules of Expansion, Properties, Solution of Linear Simultaneous Equation with help of Cramer's Rule.

Recommended Reading: (Latest Editions) :

1. Mehta, B.C. & G.M.K.Madnani : *Elementary Mathematics in Economics.*
अर्थशास्त्र में प्रारम्भिक गणित
2. Zameeruddin, Qazi & V.K.Khanna : *Mathematics in Commerce and Economics..*
3. Mittal, S.N. & S.K. Mittal : *Arthshastra mein Ganitiya Prayog.*
4. Gupta, S.C. : *Fundamentals of Statistics.*
5. Singhal, Mohan : *Elements of Statistics.*
6. Yamane, Taro: *Mathematics for Economists.*
7. Allen, R.G.D. : *Mathematical Analysis for Economists.*
8. Veerachamy, R. : *Quantitative Methods for Economists.*
9. के० एल० गुप्ता, रविकान्त अग्रवाल एवं प्रवीण जैन, अर्थशास्त्र की आधारभूत परिमाणात्मक विधियाँ, नवनीत प्रकाशन लोहामण्डी, आगरा।
10. के० एल० गुप्ता, प्रारम्भिक सांख्यिकी, नवयुग साहित्य सदन, आगरा।
11. जी० आर० अग्रवाल, प्रारम्भिक गणितीय अर्थशास्त्र, वृन्दा पब्लिकेशन, दिल्ली।

B.A. Semester II

MICRO-ECONOMICS - II

Paper III

Market Structures and Price Determination. Objectives and Equilibrium of the Firm. Perfect Competition. Monopoly and Price Discrimination. Monopolistic Competition. Duopoly. Elementary Concept of Oligopoly Market.

Theory of Factor Pricing : Marginal Productivity. Theory of Distribution. Theories of Wage Determination. Collective Bargaining and Wages. Wage Differentials.

Theory of Rent – Ricardian and Modern Theory. Theory of Interest – Classical and Keynesian Theories.. Theory of Profits – Innovation, Risk and Uncertainty Theories. .

Welfare Economics : Meaning, Individual and Social Welfare, Pigous Welfare Economics.

Recommended Reading: (Latest Editions) :

1. Ahuja, H.L.: *Arthic Sidthant*, S. Chand, New Delhi.
2. Samuelson and Nordhas, *Economics*.
3. Walton, G., *Price Theory and its Uses*.
4. Stonier and Hague, *A Textbook of Economic Theory*.
5. Lipsey, R.G., *An Introduction to Positive Economics*.
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7. एम० एल० झिंगन, *व्यष्टि अर्थशास्त्र*, वृन्दा पब्लिकेशन, दिल्ली।
8. एस० पी० सिंह, *माइक्रो अर्थशास्त्र*, एस० चॉद, नई दिल्ली।

B.A. Semester II
BASIC QUANTITATIVE METHODS IN ECONOMICS - II

Paper IV

Note: Elementary Quantitative concepts with illustration from Economics with the help of graph and equations where ever possible. Proof of theorems is not expected.
(Simple Calculator without mathematical and statistical functions is allowed but candidates shall have to arrange the calculator at their own)

Price Index Number : Simple Price Relative, Weighted Price Index Number.

Measures of Dispersion: Range, Quartile Deviation, Mean Deviation and Variance, Covariance, Standard Deviation. Coefficient of Variation. Skewness – Karl Pearson’s and Bowley’s Method. Simple Correlation.

Second Order Differentiation : Maxima and Minima. Elementary Integral Calculus. Applications of Integral calculus in Economics.

Matrices (not more than 3 column, 3 row case): Types, Definition and order of a Matrix and Determinant. Properties. Addition, Subtraction and Multiplication of Matrices. Rules for Expansion.

Recommended Reading: (Latest Editions) :

1. Mehta, B.C. & G.M.K.Madnani : *Elementary Mathematics in Economics.*
अर्थशास्त्र में प्रारम्भिक गणित
2. Zameeruddin, Qazi & V.K.Khanna : *Mathematics in Commerce and Economics..*
3. Mittal, S.N. & S.K. Mittal : *Arthshastra mein Ganitiya Prayog.*
4. Gupta, S.C. : *Fundamentals of Statistics.*
5. Singhal, Mohan : *Elements of Statistics.*
6. Yamane, Taro: *Mathematics for Economists.*
7. Allen, R.G.D. : *Mathematical Analysis for Economists.*
8. Veerachamy, R. : *Quantitative Methods for Economists.*
9. Shukla, S.M. & J.P.Mishra – *Basic Quantitative Methods for Economics, Sahitya Bhawan Publication.*
9. के० एल० गुप्ता, रविकान्त अग्रवाल एवं प्रवीण जैन, अर्थशास्त्र की आधारभूत परिमाणात्मक विधियाँ, नवनीत प्रकाशन लोहामण्डी, आगरा।
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11. डी० आर० अग्रवाल, प्रारम्भिक गणितीय अर्थशास्त्र, वृन्दा पब्लिकेशन, दिल्ली।

B.A. Semester - III

MACRO-ECONOMICS AND PUBLIC FINANCE - I

Paper - I

Macro-economics : Meaning, Nature, Scope, Importance and Limitations. Types of Macroeconomics. Basic Concepts of Macroeconomics.

National Income concept & Measurement: Gross Domestic Product (GDP), Net Domestic Product (NDP), Gross National Product (GNP), Net National Product (NNP), Personal Income (PI), Disposable Income (DI).

Classical Approach to Employment : Classical Theory of Employment, Say's Law of Market, Pigou's Wage Cut Theory of Employment, Unemployment – Types and Causes.

Keynesian Macro Economics: Keynes's Theory of Employment, Keynesian Aggregate Demand and Aggregate Supply, Effective Demand. Consumption Function. Average and Marginal Propensity to Consume. Determinants of Consumption Function. Saving Function. Keynesian Investment Function. Marginal Efficiency of Capital. Autonomous Investment and Induced Investment.

Recommended Reading: (Latest Editions) :

1. Dewett, K.K. : Modern Economic Theory.
2. Sethi, T.T. : Macro Arthashastra.
3. Seth, M.L. : Macro Economics.
4. Mithani, D.M. : Macro Economics.
5. Ackley, G. : Macroeconomics: Theory and Policy.
6. Schapiro, E. : Macroeconomic Analysis.
7. Mithani, D.M. : Modern Public Finance.
8. Andley, K.K. and Sundharam, K.M.P. : Public Finance and Public Economics.
9. Chaturvedi, D.D. & Anand Mittal; Principals of Macro Economics ; Kitab Mahal, Delhi
10. Chaturvedi, D.D. et.al.; Introductory Macro Economics; Kitab Mahal, Delhi
11. एम० एल० झिंगन, उच्च आर्थिक सिद्धान्त, वृन्दा पब्लिकेशन, नई दिल्ली।
12. आहूजा, एच० एल०, उच्चतर आर्थिक सिद्धान्त, एस० चॉद, नई दिल्ली।
13. के० पी० जैन एवं के० एल० गुप्ता, मैक्रो अर्थशास्त्र एवं राजस्व, नवयुग साहित्य सदन, आगरा।
14. एस० के० सिंह, लोक वित्त, साहित्य भवन आगरा।

B.A. Semester -III

MONEY BANKING AND INTERNATIONAL TRADE-II

Paper II

Nature, Functions, Significance and Classification of Money. Role of Money in Capitalist, Socialist and Mixed Economies. Monetary Standards. Gresham's Law. Systems of Note Issue.

Supply and Demand for Money. The Quantity Theory of Money. Income Theory of Money. Keynes' Theory of Money and Prices. Value of Money and its Measurement. Inflation and Deflation – Definition, Types, Causes and Effects on Different Sectors.

Financial Markets: Money and Capital Markets. Objective of Monetary Policy. Commercial Banking : Meaning, Functions, Credit Creation – Process, Purpose and Limitations. Central Banking : Meaning, Necessity, Principles, Comparison and Functions. Role and Functions of the Reserve Bank of India. Objectives and Methods of Credit Control. Monetary Management in India.

Recommended Reading: (Latest Editions) :

1. Ackley, G. : *Macroeconomics: Theory and Policy.*
2. Kindleberger, C.P. : *International Economics.*
3. Sodersten, Bo : *International Economics.*
4. K.M.P. Sumdharam, : *Money, Banking and International Trade, Sultan Chand, New Delhi.*
5. Sethi, T. T., *Money, Banking & International Trade, S chand, New Delhi.*
6. Jalal, R. S., N. S. Bisht, *Emerging Dimensions of Global Trade: Discussions on Trade Related Policies, Sarup & Sons, New Delhi*
7. Jalal, R. S., *Trade Policy and Global Participation: Indian Experience, Sarup & Sons, New Delhi*
8. झिगन, एम. एल., अन्तर्राष्ट्रीय अर्थशास्त्र, वृन्दावन पब्लिकेशन, नई दिल्ली
9. अग्रवाल एवं बरला, अन्तर्राष्ट्रीय अर्थशास्त्र
10. सेठी, टी.टी., मुद्रा बैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, लक्ष्मी नारायण अग्रवाल, आगरा
11. सिंघई, जी.सी. एवं जे. पी. मिश्रा, मुद्रा बैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, साहित्य भवन पब्लिकेशनस, आगरा

B.A. Semester - IV

MACRO-ECONOMICS AND PUBLIC FINANCE - II

Paper - II

Public Finance: Meaning, Nature, Scope, Role and Importance. Principle of Maximum Social Advantage.

Public Expenditure : Meaning, Scope, Canons, Classification, Principles and Importance. Effects of Public Expenditure. Causes for an increasing in Public Expenditure.

Public Revenue : Meaning, Sources. Taxation : Meaning, Characteristics, Objectives, Canons and Elements of a Good Tax System. Direct and Indirect Taxes. Principles of Taxation. Impact, Incidence and Shifting of Taxes. Taxable Capacity. Effects of Taxation. Concept & Merits of Goods & Services Tax (GST).

Public Debt : Meaning, Objectives and Sources. Effects and Burden of Public Debt. Types of Public Debt. Methods of Debt Redemption. Role of Public Debt in Developing Countries. Management of Public Debt.

Deficit Financing. Functional and Activating Finance. Objectives of Fiscal Policy in Developing Economy.

Recommended Reading: (Latest Editions) :

1. Dewett, K.K. : Modern Economic Theory.
2. Sethi, T.T. : Macro Arthashastra.
3. Seth, M.L. : Macro Economics.
4. Mithani, D.M. : Macro Economics.
5. Ackley, G. : Macroeconomics: Theory and Policy.
6. Schapiro, E. : Macroeconomic Analysis.
7. Mithani, D.M. : Modern Public Finance.
8. Andley, K.K. and Sundharam, K.M.P. : Public Finance and Public Economics.
9. Chaturvedi, D.D. & Anand Mittal; Principals of Macro Economics ; Kitab Mahal, Delhi
10. Chaturvedi, D.D. et.al.; Introductory Macro Economics; Kitab Mahal, Delhi
11. एम० एल० झिंगन, उच्च आर्थिक सिद्धान्त, वृन्दा पब्लिकेशन, नई दिल्ली।
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14. एस० के० सिंह, लोक वित्त, साहित्य भवन आगरा।

B.A. Semester IV

MONEY BANKING AND INTERNATIONAL TRADE-II

Paper IV

Nature, Scope and Importance of International Trade. Inter-regional and International Trade. Theories of International Trade: Theory of Absolute Advantage, Theory of Comparative Advantage, Heckscher-Ohlin Theory. Gains from Trade. Terms of Trade.

Rate of Exchange, Balance of Payments and Balance of Trade. Disequilibrium in the Balance of Payments: Causes and Correction. Theories of Exchange Rate Determination. Fixed vs. Flexible Exchange Rates. Exchange Control. Phases of Trade Cycle, Contra-cyclical Policies. Free Trade vs. Protection.

International Monetary Fund. World Bank. Asian Development Bank (ADB). World Trade Organization (WTO). Recent Changes in the Composition and Direction of India's Foreign Trade. Instruments of Export Promotion. India's Foreign Trade Policy Since 1991.

Recommended Reading: (Latest Editions) :

12. Ackley, G. : *Macroeconomics: Theory and Policy*.
13. Kindleberger, C.P. : *International Economics*.
14. Sodersten, Bo : *International Economics*.
15. K.M.P. Sumdharam, : *Money, Banking and International Trade, Sultan Chand, New Delhi*.
16. Sethi, T. T., *Money, Banking & International Trade, S chand, New Delhi*.
17. Jalal, R. S., N. S. Bisht, *Emerging Dimensions of Global Trade: Discussions on Trade Related Policies, Sarup & Sons, New Delhi*
18. Jalal, R. S., *Trade Policy and Global Participation: Indian Experience, Sarup & Sons, New Delhi*
19. जिगन, एम. एल., अन्तर्राष्ट्रीय अर्थशास्त्र, वृन्दावन पब्लिकेशन, नई दिल्ली
20. अग्रवाल एवं बरला, अन्तर्राष्ट्रीय अर्थशास्त्र
21. सेठी, टी.टी., मुद्रा बैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, लक्ष्मी नारायण अग्रवाल, आगरा
22. सिंघई, जी.सी. एवं जे. पी. मिश्रा, मुद्रा बैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, साहित्य भवन पब्लिकेशनस, आगरा

B.A. Semester V

STRUCTURE AND PROBLEMS OF INDIAN ECONOMY-I Paper I

Indian Economy - Features, National Income and Demographic Profile of Indian Economy.

Human Resource Development : Human Development Index and Policies. Natural Resources, Economic Development and Environmental Degradation in India.

Indian Agriculture: Role, Nature, Cropping Pattern, Production and Productivity Trends. Agricultural Holdings and Land Reforms. Agricultural Rural Labour. Agricultural Inputs and Green Revolution. Agricultural Finance. Marketing of Agricultural Produce. Agricultural Prices and Policy. Cooperative Movement in India. Food Security.

The Problem of Unemployment. Employment and Population Policies since 1991. Concept of Poverty, Various Poverty Alleviation Programmes - IRDP, SGRY, PMJSY, SHG, MGNREGA, Operation Flood.

Recommended Reading: (Latest Editions) :

1. Agrawal, A.N. : *Indian Economy, Wishwa Prakashan, New age International (P) Limited, New Delhi.*
2. Misra, S. K. & V. K.Puri : *Indian Economy.*
3. Ruddar Datt & K. M..P. Sundharam: *Indian Economy, S. Chand, New Delhi.*
4. Bimal Jalan : *Problems of Indian Economy.*
5. R.S.Jalal, "RURAL DEVELOPMENT IN INDIA : ISSUES AND POLICY" (Vol. I & II), Anmol Publication, New Delhi
6. Parekh, K.S. : *India Development Report.*
7. Dutt, R. (ed.) : *Second Generation Economic Reforms in India.*
8. रूद्रदत्त एवं के० एम० पी० सुन्दरम, भारतीय अर्थव्यवस्था, एस० चॉद, नई दिल्ली।
9. मिश्रा एवं पुरी, भारतीय भारतीय अर्थव्यवस्था, हिमालया पब्लिकेशन, दिल्ली।

B.A. Semester V

ECONOMIC DEVELOPMENT AND PLANNING-I

Paper II

Economic Development and Economic Growth. Characteristics of Underdeveloped Countries. Determinants of Economic Growth. Obstacles to Economic Growth. Measurement of economic Development – Inequality of Income and Wealth. Human Resource Development. Theory of Demographic Transition.

Growth and Development Models – Schumpeter, Rostow, Harrod and Domar. Vicious Circle of Poverty, Unlimited Supply of Labour, Balanced and Unbalanced Growth, Critical Minimum Effort Thesis.

Economic Planning: Meaning, Objectives, Features, Types and Conditions for Successful Planning. Investment Criteria. Planning for Social Infrastructure. Planning for Human Resource Development.

Environmental Linkage. Environment as a Public Good. The Commons Problem. Types of Environmental Pollution - Land, Water, Air and Forest. Valuation of Environmental Damages.

Recommended Reading: (Latest Editions) :

1. Ghatak, S.: *An Introduction to Development Economics.*
2. Higgins, B. : *Economic Development.*
3. Thirwal, A.P. : *Growth and Development.*
4. Todaro, M.P.: *Development Planning: Models and Methods.*
5. Seth, M.L.: *Economic Planning: Theory and Practice.*
6. Hoover, E.M.: *An Introduction to Regional Economics.*
7. Richardson, H.W.: *Regional Economics.*
8. Dhar, T.N. and S.P. Gupta: *Uttaranchal: A Study.*
9. Dhingra , I. C. & V. K. Garg, : *Economic Development and Planing in India, Sultan Chand*
10. झींगन, एम० एल०, विकास का अर्थशास्त्र एवं आयोजन, वृन्दा पब्लिकेशन, नई दिल्ली।
11. पाण्डे, जी०सी०, उत्तराँचल की अर्थव्यवस्था।
12. ,स० पी० सिंह, आर्थिक विकास एवं नियोजन, एस० चाँद नई दिल्ली

B.A. Semester VI

STRUCTURE AND PROBLEMS OF INDIAN ECONOMY-II Paper III

Infrastructure in the Indian Economy : Meaning, Types and Importance. Industrial Growth in India - Structure, Performance and Problems. Small and Cottage Industries. Public Sector and Private Sector. Industrial Policy in India.

Industrial Finance. Make in India Initiative. Industrial Sickness in India. Sources of Industrial Finance. Problem of Industrial Finance. Entrepreneur Development Programme in India.

The Economy of Uttarakhand : Demographic Profile, Geographical Features, Natural Resources, Land Use,; Forest Economy; Energy Resources; Horticulture; Agriculture; Dairying, Fisheries; Floriculture.

Unemployment – Problem and Remedies, Migration, Role of Women in the Rural Economy; Industrial Development; Tourism; Social Welfare and Employment Programmes in Uttarakhand.

Recommended Reading: (Latest Editions) :

1. Agrawal, A.N. : *Indian Economy, Wishwa Prakashan, New age International (P) Limited, New Delhi.*
2. Misra, S. K. & V. K.Puri : *Indian Economy.*
3. Ruddar Datt & K. M..P. Sundharam: *Indian Economy, S. Chand, New Delhi.*
4. Bimal Jalan : *Problems of Indian Economy.*
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9. मिश्रा एवं पुरी, भारतीय भारतीय अर्थव्यवस्था, हिमालया पब्लिकेशन, दिल्ली।

B.A. Semester VI

ECONOMIC DEVELOPMENT AND PLANNING-II Paper IV

Planning in India : Objectives, Achievements and Failures, Strategy. Mobilization of Resources. Detailed Study of the last Five Year Plan.

Strategy and Policies for Planning - Strategy of Planning. Types of Planning. Planning from Above. Planning from Below, Financial Planning, Physical Planning. Decentralized Planning. Multilevel Planning. People's Participation in Planning. Technique Choice. Capital Formation in India. NITI Aayog.

Regional Economics: Concept, Meaning and Significance of Regional Development. Problems of Regional Development. Regional Disparities: Concept and Indicators. Causes of Economic Backwardness and Regional Imbalances.

Recommended Reading: (Latest Editions) :

10. Ghatak, S.: *An Introduction to Development Economics.*
11. Higgins, B. : *Economic Development.*
12. Thirwal, A.P. : *Growth and Development.*
13. Todaro, M.P.: *Development Planning: Models and Methods.*
14. Seth, M.L.: *Economic Planning: Theory and Practice.*
15. Hoover, E.M.: *An Introduction to Regional Economics.*
16. Richardson, H.W.: *Regional Economics.*
17. Dhar, T.N. and S.P. Gupta: *Uttaranchal: A Study.*
18. Dhingra , I. C. & V. K. Garg, : *Economic Development and Planing in India, Sultan Chand*
10. झींगन, एम० एल०, विकास का अर्थशास्त्र एवं आयोजन, वृन्दा पब्लिकेशन, नई दिल्ली।
11. पाण्डे, जी०सी०, उत्तरांचल की अर्थव्यवस्था।
12. ,स० पी० सिंह, आर्थिक विकास एवं नियोजन, एस० चाँद नई दिल्ली