

**Paper title: Micro Economics**

<b>Paper number</b>	Group Paper 1
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. Introduction:

- a) Micro- Economics and Macro Economics.
- b) The methods of economic analysis : Static, dynamic and comparative static methods.

2. The Theory of Consumer Behaviour:

- a) Marshallian Analysis
- b) Indifference curve Analysis
- c) Consumers surplus Marshall & Hicks
- d) Revealed preference approach Samuelson approach Hick's Logic ordering theory of Demand Neuman Morgenstern cardinal utility- Friedman and Savage Hypothesis Markowitz Hypothesis.

3. The Production of a firm:

- a) The Production function and the law of returns, the law of variable proportions - the linear homogeneous production function and the C.E.S. function.
- b) Cost functions of a firm: The costs of the firm in the short and the long run the relations between them .
- c) The individual firm's response to a rise in the price of a factor isoquants and isocosts income and substitution effects in the theory of production.

4. The pricing of Goods :

- a) Classification of markets, pure competition, perfect competition, imperfect competition, Pure monopoly, monopolistic competition, oligopoly.

5. The Pricing of Factors:

- a) Demand for factors of production marginal productivity theory of distribution the adding up problem.
- b) Theories of Rent, Wages, Interest and Profits.

6. Welfare Economics:

Nature of welfare Economics, Classical & Neo- Classical Welfare Economics Pareto Optimality and the Conditions of Welfare Optimum New welfare Economics ( The Compensation Principles) Socialism and Welfare Economics

Reading List:

- 1. Sir John Hicks : Capital and Growth
- 2. Sir John Hicks : Value and capital
- 3. Sir John Hicks : A Revision of Demand Theory
- 4. E.C. Feruson : Micro- Economic theory
- 5. Stonier & Hague : A Text book of Economic Theory
- 6. John Robinson: Economics of Imperfect Competition
- 7. W.J. Baual : Economic theory and operations Analysis
- 8. Alfred Marshall : Principles of Economics
- 9. A.P. Lerner : Geometry of Elasticity of Demand Essays in Economic Analysis
- 10. K.V.S. Sastri : Production Functions and the Elasticity of Average Productivity, Indian Economic Journal, 1971.
- 11. E.H. Chamberlin : Theory of Monopolistic competition (Appendix-B)
- 12. J. Viner: 'Cost curves and supply Curves' , Reading in price theory
- 13. R.A. Meyer : Micro Economic decisions, Houghton Mifflin, 1976
- 14. F.H. Knight : Risk Uncertainty and Profit.

15. R.Triffin : Monopolistic Competition and General Equilibrium Theory
16. A.E.A. :Readings in the Theory of income distribution
17. RGD, Allen : Mathematics for Economics
18. A. Koutsoyiannis : Modern Micro- Economics, Macmillan press,1983.
19. Bilas : Micro Economic Theory
- 20 J. Hirschleifer : Price Theory and Applications
21. Watson & Hallman : Price Theory and its uses
22. E.A.G. Robinson : Monopoly
23. B.C.Chamberlin : Monopolistic competition
24. Graff : Theoretical Welfare Economics
25. E.J.Mishan : Five Essays on Welfare Economics

**Paper title: Macro Economics**

<b>Paper number</b>	Group Paper 2
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

- 1.National Economic Accounting, National Income Analysis' Generation and Distribution of Income and related aggregates; Gross national Product and Net National Product. Gross Domestic Product and Net Domestic Product (At market prices and factor costs, at constant and current prices)
- 2.Money and Banking: Definitions and functions of money ( M1, M2, M3) , Credit creation; credit sources, costs and availability. Theories of demand for money.
- 3.Classical Macro- Economics.
- 4.Keynesian Economics: Income determination and aggregate supply and aggregate demand. Consumption function, Investment, Marginal Efficiency of Capital Theory of Interest Theory of Prices, Wages and Employment, Wage- Price Flexibility and full employment
- 5.Theories of consumption: Concept of multiplier, Relative income hypothesis, permanent income hypothesis, Absolute income hypothesis.
- 6.Investment decisions and determination of income and employment.
- 7.I.S. and L.M. Curves: General equilibrium of product and money markets.
- 8.Inflation: Concept of Inflationary gap . Demand Pull and cost push inflation, Stagflation, Objectives of monetary policy.
- 9.Trade Cycles : Monetary theory of Trade cycles. Monetary and real factors in the trade cycle. Interaction between multiplier and accelerator.

**READING LIST:**

- 1.C.L.Schultze; National Income Analysis, Prentice- Hall, New Delhi, 1965.
- 2.E. Shapiro, Macro Economic Analysis, Harcourt Barce, New York, 1985.
- 3.Fred R. Glahe, Macro Economic theory and policy, Harcourt, New York, 1973.
- 4.G. Ackley, Macro Economic Theory, Mc. Graw Hill, New York, 1975.
- 5.Deronberg Mc Dougal, Macro Economics.
- 6.A.H.Hansen, A Guide to Keynes, Mac Graw Hill, New York, 1975.
- 7.Sir John Hicks, Mr. Keynes, and Classics.
- 8.John Lindauer (ed) , Macro Economic Readings, Free press, New York, 1968.
- 9.M. Friendman, Readings in Business Cycles (AEA)
10. Don Patinkin, Money, Interest and Prices.
- 11.J.R. Hicks, A contribution to the Theory of Trade Cycles, Oxford, 1940.
- 12.J.M.Estey, Business Cycles, Asia Publishing House, Bombay, 1962.
- 13.Evans Michael, Macro Economics Activity , Harper, New York, 1969.
- 14.R.L.Miller and R.W. Pullinelli, Modern Money and Banking, Mc. Graw Hill, 1985.
- 15.A.K.Basu, Fundamentals of Banking : Theory and Practice.
- 16.Reserve Bank of India, Functions and working of R.B.I.

**Paper title: Government finance**

<b>Paper number</b>	Group Paper 3
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

**1. Introduction:**

Nature and scope of Public Finance - Relation of Public Finance with other subjects Political and Economic setting Choice of policies and their implementation- Principle of Maximum Social Advantage.

**2. Role of Government :**

Changing perspective about role of government in organized society

Government in a mixed economy public sector and private sector: Co- operation or competition Planning for economic development Budget as a means of operationalising the planning process Government failures.

**3. Public Revenue:**

Sources and classification of Public Revenue impacts on the economy principle Taxation. Characteristics of a good tax system Shifting and incidence of Taxation Distribution of Tax Burden Taxes on Income and commodities.

**4. Public Expenditure:**

Classification and its effects on the Economy Theory of Social goods.

**5. Public Debit:**

Burden and its repayment Principles of Public Debt Management Development.

**6. Budget**

Budgetary policy Its objectives and instruments Theory of optimum budget Budgetary trends

**7. Fiscal Policy :**

Objectives and instruments Fiscal Policy in a planned developing economy.

**8. Federal Finance:**

Principles - Union State financial relations Union Finance revenues and Expenditures State finance : Revenues and Expenditures Finance Commissions and their working.

**9. Local Finance:**

Problems and Prospects - Functions Finances Taxation.

**Reading List:**

1. Richard A Musgrave, Theory Public Finance, 1961.

2. R.A. Musgrave and Musgrave, Public Finance in theory and practice , 1980.

3. R. A. Musgrave and C. Shoup (ed) Readings in Economics of Taxation

4. Raja J. Chellaiah, Fiscal Policy in under Developed countries , George Allen Unwin, Bombay 1971.

5. Government of India, India Tax Reform, 1971.

6. Government of India, Report of the Taxation Enquiry Commission, 1953-54.

7. W.L. David (ed) : Public Finance : Public and Economic Development Essays in honour of Lady Hicks, 1973.

8. K.V.S. Sastri, Federal State Fiscal relations in India. Oxford University Press, Bombay, 1966.

9. R.N. Tripathi, Fiscal Policy and Economic Development in India 1971.

10. H. Dalton, Principles of Public Finance, 1954.

11. U.K. Hicks : Public Finance, 1967.

**Paper title: Evolution of Economic Doctrines**

<b>Paper number</b>	Group Paper 4
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

**1.The Early Period:**

Ancient Doctrines: The Old Testament; Greek Philosophers: Plato and Aristotle; Roman Empire and Christianity; Middle Ages : The Doctrine of the Church St.Thomas Aquinas Qualified Acceptance of Trade Just Cost and Just Price Doctrines Views on Interest; Modern Period: Mercantilism; Main Principles Thomas Mun; Adam Smith's Forerunners : (a) Petty, Locke Hume Cantillon, Stuart (b) Physiocracy: Natural Order Agriculture and Net product Tableau.

**2.The Classical Period:**

The Classical School Adam Smith: Division of Labour Theory of Value- Paradox, Substance and Measure Mercantilism- Laissez Faire Development views on Machinery comparative cost principle; Malthus : The Principle of Population: Controversy on say's Law of Markets; Romantics: Muller; socialists; Sismond; Marx: Theories of values , Surplus and Competition Accumulation and Crises Marx as a classical writer and critique; other contributions : (a) The Historical School and (b) say, Courtnout, Thunen senior J.S. Mill.

**3.The Later Period :**

Founders of Modern Economics : Gossen, Jevons Menger Walras, Doctrines; Mars hall: As a synthesizer method Value and Role of time- Other Writers : Welser; Bohn Bawerk, Paraeto Wicksell, Clark, Fisher Basic Consumer's Surplus Distribution Marshllian concepts Elasticity, Substitution Prime and Supplementary Costs, Representative Firm, External /Internal Economics , Quasi- Rent, Real Cost and Expenses of production, Organization as a Factor of Production, Nature of Profits; Pigou, Keynes and Schumpeter : Basic Doctrines; Voblen: Institutionalism.

**4.The Indian Doctrines:**

Ancient to Modern periods: Kautilya: Valluvar; Medieval Thought Nauroji, Ranade, R.C. Dutt; M.N.Roy (Democratic Decentralisation), National Planning Committee ( Population Development and Planning);Gandhi: Wants and Austerity; - Sarvodaya village 'Swaraj' ; Full Employment Place of Machines 'Swadeshi' self- sufficiency Khadi and village Industries Co - operation Trusteeship.

**Reading List:**

- 1.Back house, R. (1985) , A History of Modern Economic Analysis, Basil Blackwell , Oxford.
- 2.Blaug, M. (1978), Economic Theory in Retrospect, Carmbridge Universtiy Press, Cambridge.
- 3.Dasgupta, A.K.(1985) Epochs of Economic Theory , Oxford University Press, Delhi.
- 4.Ekelund, R.B. and R. Herbert (1983) , A History of Economic Theory and Method Mc. Graw Hill , London.
- 5.Gide.C and G. Rist (1956 ) , A History of Economics Doctrines George G. Harrap and Co., London.
- 6.Hajela, T.N. (1980) A History of Economic Thought Shivalal Agarwala and Co., Agra.
- 7.Gray.A. (1978) Development of Economic Doctrine, Longman Group, London.
- 8.Rima, I.H.( 1979) Development of Economic Analysis, Richard D Irvin, Homewood.
- 9.Roll.E.(1973) , A History of Economic Thought, Fabre, London.
- 10.Babatosh Datta, Indian Economic Thought Twentieth Century Perspectives, 1900-50.
- 11.Gandhi, M.K.(1938) Economics of village Industries. Navjivan Publishing House, Ahmedabad.
- 12.Gandhi, K.K.(1974), India of My Dreams, NavjivanPublishing House, Ahmedabad.
- 13.Ganguli, BN. (1977) Indian economic thought a nineteenth century; perspective, Tata, Mc Graw- Hill, New Delhi.
- 14.Gupta, J.N. ed., (1971) , R.C.Dutt Life and works, London
- 15.Kautilya (1951), Arthashastra by R. Shyama Sastry, Remond Printing Press, Mysore.

16.Roy, M.N.(1964) Memoirs, Allied Publishers, Bombay.  
**M.A. : Economics (With Option Agricultural Economics and Rural Development)**

**Paper title:** Quantitative methods

<b>Paper number</b>	Group Paper 5
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

### **Syllabus details**

Part A Mathematical Methods

1. Concept of functions: Homogeneous, Logarithmic and Exponential Functions.
2. Graphical Representation of Functions Limit and continuity of a function and problems.
3. Analytical Geometry: Concepts of Straight line, Curve and Parabola Applications in Economics.
4. Concept of Derivative: Techniques of differentiation, Maximum and minimum and its applications in Economics.
5. Partial Differentiations: Total differentiation and differentials Maximum and minimum of two variables Applications in Economics
6. Integration: Simple Standard Integrals Differential equations Application in Economics.
7. Theory of Matrices: Determinants, Properties of determinants and Cramer's Rule , types of matrices, Inverse of matrix ( Co-factor method) Rank of Matrix.

Part B

8. Descriptive Measures: Measures of Central tendency, Dispersion and Skewness and Kurtosis
9. Correlation and Regression Analysis: Partial and multiples correlations Principle of least squares - Simple regression.
10. Methods of Enumeration: Census V/S Sampling and methods of sampling.
11. Index Numbers : Construction of different Index numbers , uses and limitation of Index numbers.
12. Probability and Theoretical distribution: Basic probability rules and concepts Expected values Bio nominal distribution Poisson distribution and Normal distribution.
13. Test of Hypothesis: Small and large sample tests Estimation of parameters.

READING LIST:

1. Taro Yammen : Mathematics for Economist an elementary survey
2. R.G.D.Allen : Mathematical analysis for Economics
3. Alpha C. Chiang : Fundamental Methods of Mathematics for Economics
4. Metha & Madnani : Mathematics for Economist
5. R. Morely : Mathematics for Economist
6. G.S. Monga : Mathematics and Statistics for Economics
7. D.C. Sancheti & V.K. Kapoor : Statistics, Theory and Methods and applications
8. S.C. Gupta & V.K. Kapoor : Fundamentals of Applied Statistics.

**Paper title: Agricultural Economics & Farm Management**

<b>Paper number</b>	Group Paper 5
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. Introduction : Nature and scope of agricultural Economics Agriculture in Economic Development Complexity of Agricultural production Differences between agricultural production and Industrial production structural characteristics of Agriculture Growth and productivity Trends in Indian Agriculture.
2. Economics of Agricultural production and resource use Land Labour and capital in Agriculture production Function Function analysis cobb Douglas production Function Rational and irrational stages in production Resource combination Factor relationships Substitutes and complements, Optimum Factor combination - product combination General relationships - optimum product combination Risk and uncertainty in Agriculture - kinds of risks and uncertainties - Measures against risk and uncertainty.
3. Debate on Farm size and productivity Nature of costs and family farm theory- returns to scale cost relationships and profit maximisation Efficiency of the farm.
4. Agricultural prices and price policy Importance of Agricultural prices price determination Terms of trade supply responses to price price uncertainty price raising measures prices stabilization measures- support prices- Agencies for support prices procurement price policy.
5. Agriculture and Modern Technology Agricultural inputs and shifts in production function, implications of New Agricultural Technology.
6. Distributive aspects of Agricultural Development in India Agricultural Taxation.
7. Principles of farm management concepts and terms used in farm Management Law of diminishing returns Opportunity Cost principle Farm Business analysis-Farm enterprises Farm work efficiency studies.
8. Tools of farm Management Farm planning Budgeting, partial and Full Linear programming.
9. Farm management surveys and farm records collection and analysis of data application of Farm Management analysis to underdevelopment countries.

**Reading List:**

1. Heady, Earl, O., Economics of Agricultural production and Resource use prentice, Hall
2. Theodore W Schultz, The Economic Organisation of Agriculture.
3. T.W. Schultz, Transforming traditional agriculture.
4. John W. Mellor, the Economics of Agricultural Development.
5. Black, J. D., Introduction to Economics for agriculture.
6. Robertson, C.A., An Introduction to Agricultural production Economics and Farm Management./
7. Cohen, R.L., Economics for Agriculture:
8. Bishop, C.E. and Jousaint, W.D., Introduction to Agricultural Economics analysis.
9. Johnston, B.F. & John W. Mellor, Reading in Economics of Agriculture.
10. Vincent, Warren, H (Ed), Economics and Management in Agriculture.
11. A.M. Khusre, Reading in Agricultural Development.
12. Krishna Bharadwaj, productions in Indian Agriculture.
13. C.H. Hanumantha rao, Technological change and Distribution of gains in Indian Agriculture.
14. Pramit Chaudhari, Readings in Agricultural Development.
15. Sadhu, A.N. & Singh. A., Fundamentals of Agricultural Economics.
16. Heady, ED and Jensen, H.R., Farm Management Economics.
17. Yang, WY., Methods of Farm Management Investigation.
18. Bradfors., L.A. & Glenn, L.J. Farm Management analysis.
19. Sharma, AN & Sharma, V.K. Elements of Farm Management.
20. I.J., Singh, Elements of Farm Management Economics.
21. D.K. Desai, Linear programming.
22. Johal, SS & Singh, K., Economics of Farm Management.
23. Kahlen, AS & Kapoor, T.R., Fundamentals of Farm Management.
24. Saini, GR Farm size, Resource Use efficiency and Income distribution.

25. Indian Society of Agricultural Economics□
- i. Budgetting and programming in Farm Management.
  - ii. Farm production planning and programming.
26. The journal of the Indian School of Political Economy PUNE.



**Paper title: Rural Development : Planning & Management**

<b>Paper number</b>	Group Paper 6
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. Introduction: Evolution of village communities in India Village Economy Rural reconstruction schemes community Development programme panchayat Raj and Co-operation.
2. Development and Rural Development : Concepts of Development and Rural Development- Scope, objectives, principles and definitions Dimensions, policies and policy instruments of Development Rural Development Experiences of Bangladesh, china and Tanazania.
3. Models of Rural Development : Mahatma Gandhi's Model Quantitative policy models Tinbergen's Fixed Target Model Models propagated by International Government organizations (I.G.O.S.)
4. Land Reforms Need and scope Socio economic and Political implications Land Revenue systems Tenancy reforms Abolition of Intermediaries Ceiling on Land Holdings Steps taken for effectivities implementation Evolution and appraisal.
5. Rural Industrialisation : Decentralisation of Industries village and small scale Industries Handloom. Khadi and village Industries Handicrafts Cottage Industries Evaluation and Performance.
6. Rural poverty and Unemployment : Concept- Inequality of personal income distribution Comparisons of poverty and inequality incomes Five year plans and removal of poverty Nature and estimates of unemployment in India Industrialisation and employment Bhagavathi Committee on Unemployment.
7. Rural Credit : Need and sources of credit Demand for credit Classification of Credit Regional Rural Banks NABARD Lead Bank Scheme Differential interest rate policy Problems of rural indebtedness.
8. Rural Marketing : Meaning, Evolution and classification of Markets Functions of Marketing Defects in the present marketing system Market legislation Regulated Markets co-operative Marketing.
9. Strategies and Programmes of Rural Development : Integrated Rural Development programme (IRDP) Intensive Agriculture District Programmes Operation Flood Evaluation- Efficiency Achievements.
10. Planning Management and Development Programmes : Micro-level Planning Management and control planning for plan implementation Factors affecting implementation peoples participation Integration and coordination.

**Reading List:**

1. John W.Mellor, Themas R. Waner, Uma.J.Hela and Schelden R.Simeon, Developing Rural India : Planned and Practices.
2. Brara J.S. The political Economy of Rural Development.
3. Bhattacharya, S.B. Rural Development in India & Other Developing Countries.
4. Panchanadkar, K.C. & Panchanadikar, J.Rural Modernisation in India.
5. Nanavathi, NB & Ajjaria, J.J., India Rural Problem
6. N.I.R.D. Rural Development in India : Some facts
7. Desai, D.K.Management in Rural Development
8. Arora, R.C., Integrated Rural Development
9. Sharma & Malhotra, Integrated Rural Development.
10. V.Deasi,Rural Economics
11. Tyagi, B.P.Agricultural Economics and Rural Development.
12. Bancil., P.C., Agricultural Problems of India
13. Rao,V.M. Rural Development and the Village
14. Thimmaiah, G.(ed). Studies in Rural Development.
15. Desai A.R., Rural sociology in India.
16. Misra, K.P.& Sundaram K.V.(Ed) Rural Area Development.
17. Chitambar, J.B.Introduction to Rural Sociology
18. Aziz Sartaz, Rural Development Learning form China

19. Datt, R. & Sundaram, K.P.M., Indian Economy.
20. Mukherjee, B., Community Development in India.
21. Bhalariao, C.N. Administration, Politics and Development in India.
22. Dubhashi, P.R., Rural Development Administration in India.
23. Srivastava, R.K.& George, P.S., Rural and Development in Action: The Experience of Voluntary agency
24. Dandekar V.M.& Rath, N., Poverty in India.
25. Ballamy M.A. & Greenshields, B.L.(Ed.) The Rural Challenge.
26. F A O, Review end Analysis of Agrarian Reform and Rural Development in the Developing countries since the mid 1960`s.
27. Jain, S.C. Rural Development : Institutions and strategies
28. Chambers, R, Rural Development.
29. Tiwari, K.K, Rural Development Administration□
30. Misra, R.S.(ED), Rural Development : Capitalist and Socialist paths ,5 volouems
31. Misra, S.N.Rural Development and panchayat Raj.
32. Madan, G.R.,India `s development in India.
33. Madan, G.R., Village development villages.
34. Singh, K,. Rural Development : Principles, Policies and Management sage Publications
35. Desai. V, Rural Development 6 volumes.

**Paper title: Theory of Economics Development and Planning**

<b>Paper number</b>	Group Paper 1
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. Economic growth and development: Meaning and measurement; characteristics of under development; rate and pattern. Modern Economic Growth, sources of growth distribution and growth ; Problems of growth of developing economies.
2. Models of Growth- classical : Harrods Dammar; One sector Neo Classical; Cambridge (Joan Robinson, caldron); State theories of Economic growth (Marx and Rostow).
3. Development Models Higgins, Lewis, Leibenstein and Nelson.
4. Strategies of Development Balance Vs Unbalanced, Theory of Big-push, spread and back wash effects
5. Choice of Techniques Intersectoral allocation; Investment criteria and choice of techniques.
6. Need for Planning Nature of planning in capitalist, socialist and Mixed economies.
7. Nature of Planning in socialist and Democratic Countries Role of Public Sector: Aspects of planning and price mechanism.
8. Perspective Planning in India Plan Models Philosophy.

**Reading List:**

1. Higgins, B. Economic Development, Central Book Depot, Allahabad, 1978.
2. Meir G.M., & Baldwin, R. Economic Development Theory, John Willey, New York, 1966.
3. Sen, A. Readings in Growth Economics, 1970.
4. Adelman, Irma, Theory of Economic Growth, Stanford University press, California, 1961.
5. Hamberg, D., Models of Economic Growth, Harper & Row New York 1971.
6. Rostow, W.W., The stage of Economic Growth, Cambridge 1964.
7. Agarwal & Singh, Economics of Under Development, OUP, London, 1973.
8. Meir, G.M. Leading issues in Economic Development, Oxford 1973.
9. A.P. Thirlwall, Growth Economics, Macmillan, London, 1972.
10. Lewis, W.A., The Theory of Economics Growth, Allen & Unwin London, 1963.
11. Ashok Rudra, Indian plan Models, vikas, Delhi, 1988. Policy and Evidence.

**Paper title: Indian Economy**

<b>Paper number</b>	Group Paper 2
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. Structure of Indian Economy Nature of the Indian Economy.
2. Growth of National income in Trade Trends in National Income and related Aggregates.
3. Trends in Population Growth since 1951 Population and Poverty Population policy in India Eradication of Poverty.
4. Agriculture Growth since Independence-Agricultural Finance Land reforms-Agricultural Labour-Problems of unemployment
5. Development of industry in India-public Vs private sector-problems of large medium and small scale industries in India-Modernization-unemployment
6. Planning in India objectives - Starting and planning Growth-Resources Mobilization in India planning Allocation of resources-Industry and Agricultural-private sector and public sector
7. Planning and Fiscal policy types of taxes and input on the economy. The impact of the size and content of budgets. Objectives and instruments of budgetary and fiscal policy in India.
8. India's balance of payments and International Trade Terms of Trade-Role of International financial Institutions in India's economic development

**Reading List :**

1. Ashok Gosh, Indian Economy, Vikas, Delhi, 1988
2. Ashok Rudra, India plan Models, Mitra, 1975
3. G.M. Meir, Leading Issues in Development Economics, Oxford university press, New York, 1985
4. B.N. Subrahmanyam, India Economy, Weidenfeld and Nicholson London, 1985.
5. Misra S.K. and V.K. puri, India Economy Its Development Experience, Himalaya Publishing House, 1991
6. Government of India, planning commission, 'First Five Year plan to Eight Five Year plan.
7. P.R.Brahmendra and V.K. Panchamuki, (eds.) 'The Development process of India Economy, Himalyas, 1987.
8. Pramit Chaudhri, Indian Economy, Vikas publishing Delhi, 1979.
9. T.N. Srinivasan and P.K. Bardhan, 'poverty and Income Distribution in India, 'Statistical publishing society, Calcutta, 1974
10. P.V. Sukhatme, Feeding of growthing millions in India, Asia, publishing house, Bombay, 1968

**Paper title:International Economics**

<b>Paper number</b>	Group Paper 3
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. The Theoretical basis of trade : Classical Theory Adam Smith- Ricardo- mill : Neoclassical Theory Haberler's opportunity cost; Trade indifference curves Offer curves; Modern Theory Heckscher Ohlin Theorem- factor prices and factor reversals
2. Economic growth and trade : Gains from trade Johnson's model immenserizing growth; Transport cost Monopoly and dumping Terms of trade increase in factor endowments Technical progress and trade Capital movements and growth.
3. Trade policy : Tariffs Quotas Theory of customs Union case for protection regional integration EEC : Trade problems of developing countries GATT UNCATD : Import substitution and export promotion New International Economic order Foreign Aid.
4. Balance of Payments : Foreign Trade and National income Foreign trade multiplier Market for foreign exchange Purchasing power parity theory Fixed and flexible exchange rates; Balance of payments Disequilibrium in the balance of payments and adjustment mechanism; Devaluation- elasticity approach - Income absorption approach- Monetary approach Exchange control; Means of achieving external and internal equilibrium.
5. International Monetary System : Problems of International Monetary system International liquidity IMF SDR Euro Dollar Market ; Plans for reform and future of the International monetary system.

**Books for reference :**

1. Bosodersten : International Economics (1980)
2. Kindleberger, C.P : International Economics (5th edition)
3. Ellsworth : International Economy
4. Scammel, W.M : International Trade and payments.
5. Chacholiades, M :The pure theory of International Trade.
6. Bagwati, J. (ED) :International Trade.
7. Grubel, H.G. :International ; Economics
8. Peter B. kenen :The International Economy.

**Paper title: Quantitative Analysis & Computer Applications**

<b>Paper number</b>	Group Paper 4
<b>Maximum marks</b>	100

**Model Question Papers / Past Question Papers**

**Syllabus details**

1. Introduction to Linear Programmes Linear Programming Basic Concepts- Togh basic theorem graphic and simplex method The dual problem and its economic interpretation Computations using statistical software packages.
2. Input- output analysis Leontief Model Technical coefficients of production function and input output analysis.
3. Time series analysis Methods of fitting trend Measurement of seasonal variations, computations using statistical software packages.
4. Introduction to computers Characteristics of Computer Input Devices Output devices Brief history computers Generation of computers Types of computers Classification of computers.
5. Elements of Computers - Central processing Unit Main memory Unit Arithmetic and Logic Unit Control Unit Random Access Memory Read only memory and cache Memory Secondary memory.
6. Software system Software and application software Storage and retrieval of data Why programme language? Assembly language High-level Programming Language Compiling High level programme Language Some High level languages.
7. Why do we need an operating system? - Batch operating system multiprogramming operating system Time sharing operating system Personal Computer operating system The Unix operating system.
8. Features of MS Office Entering Text Editing Text Formatting Text Advanced word processing features Data Publishing Software.
9. What is Spread sheet? A tool for working with numbers features of MS Excel Creating a worksheet Editing Formatting Advanced tools.
10. Data and information Data base DBMSs relationship working with database Features of MS Access Creating Viewing Sorting Querying Generating reports Special purpose.

**READING LIST:**

1. V. Rajaraman, Fundamentals of Computers, Prentice Hall of India Ltd., New Delhi.
2. Naven Prakash, Introduction to Database Management, Tata Mc.Graw Hill Publishing Co., Ltd., New Delhi.
3. Tom Sheldon, Windows 95 Made Easy, Tata Mc. Graw Hill Publishing Co., New Delhi.
4. G.S.Monga, Mathematics and Statistics for Economics
5. D.C.Sancheti and V.K.Kapoor Statistics, Theory and Methods and Applications.

