

Academic Council: Date 26 / 04 / 2010, R. No.: (2)

Executive Council: Date 07 / 05 / 2010, R. No.: (3)

BHAVNAGAR UNIVERSITY

BHAVNAGAR

(NACC Accreditation Grade “B”)

CREDIT AND SEMESTER SYSTEM

SYLLABUS

MASTER OF ARTS (M.A.)

ECONOMICS

(In Force From Academic Year: 2010-2011)

तमसो मा ज्योतिर्गमय



M.A.
Credit and Semester System Syllabus

NAME OF THE SUBJECT: ECONOMICS

SEMESTER 1st

SR. NO.	PAPER NO	NAME OF THE PAPER	TOTAL MARKS EXT + INT = TOTAL	PASSING STANDARD EXT + INT = TOTAL	TOTAL TEACHING HOURS	CREDITS
1	I	Micro Economic Analysis –I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
2	II	Macro Economics –I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
3	III	Quantitative Methods – I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
4	IV	Public Economics –I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
5	V	Industrial Economics –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
6	V	Banking and Financial Economics –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
7	V	Economics of Health –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
8	V	Labour Economics –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
9	V	Rural Development –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05

* <u>INTERNAL</u>	<u>MARKS</u>
Test – I	10
Test – II	10
Seminar & Assignment	10



M.A.
Credit and Semester System Syllabus

NAME OF THE SUBJECT: ECONOMICS

SEMESTER 2nd

SR. NO.	PAPER NO	NAME OF THE PAPER	TOTAL MARKS EXT + INT = TOTAL	PASSING STANDARD EXT + INT = TOTAL	TOTAL TEACHING HOURS	CREDITS
1	VI	Micro Economic Analysis –II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
2	VII	Macro Economics –II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
3	VIII	Quantitative Methods – II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
4	IX	Public Economics –II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
5	X	Industrial Economics –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
6	X	Banking and Financial Economics –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
7	X	Economics of Health –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
8	X	Labour Economics –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
9	X	Rural Development –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05

* <u>INTERNAL</u>	<u>MARKS</u>
Test – I	10
Test – II	10
Seminar & Assignment	10



M.A.
Credit and Semester System Syllabus

NAME OF THE SUBJECT: ECONOMICS

SEMESTER 3rd

SR. NO.	PAPER NO	NAME OF THE PAPER	TOTAL MARKS EXT + INT = TOTAL	PASSING STANDARD EXT + INT = TOTAL	TOTAL TEACHING HOURS	CREDITS
1	XI	Economics of Growth and Development –I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
2	XII	International Trade and Finance-I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
3	XIII	Environmental Economics –I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
4	XIV	Indian Economic Policy –I	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
5	XIV	Research Methodology (For Dissertation Group)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
6	XV	Agricultural Economics –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
7	XV	Economics of Education- I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
8	XV	Economics of Insurance –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
9	XV	Theories of Demography –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
10	XV	Economics of Infrastructure –I (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05

* <u>INTERNAL</u>	<u>MARKS</u>
Test – I	10
Test – II	10
Seminar & Assignment	10



M.A.
Credit and Semester System Syllabus

NAME OF THE SUBJECT: ECONOMICS

SEMESTER 4th

SR. NO.	PAPER NO	NAME OF THE PAPER	TOTAL MARKS EXT + INT = TOTAL	PASSING STANDARD EXT + INT = TOTAL	TOTAL TEACHING HOURS	CREDITS
1	XVI	Economics of Growth and Development –II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
2	XVII	International Trade and Finance-II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
3	XVIII	Environmental Economics –II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
4	XIX	Indian Economic Policy –II	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
4	XIX	Dissertation	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
5	XX	Agricultural Economics –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
6	XX	Economics of Education- II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
7	XX	Economics of Insurance –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
8	XX	Indian Problems & Policies (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05
OR						
9	XX	Economics of Infrastructure –II (Optional)	70 + 30 = 100	28 + 12 = 40	15 Weeks x 05 Hours = 75	05

* <u>INTERNAL</u>	<u>MARKS</u>
Test – I	10
Test – II	10
Seminar & Assignment	10



M.A. (ECONOMICS)
SEMESTER – I

Paper No. I Micro Economic Analysis –I

Total Marks: **100 Marks** **Credits: 05**
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Introduction and Basic Concepts: Basic Economic Problem of Choice and Scarcity, Deductive and Inductive methods of analysis, Positive and Normative Economics, Economic Models –Characteristics of Equilibrium and Disequilibrium System, Elasticity of Demand (Price, Cross, Income), Elasticity of Supply	18 Hr. 45 Min.	25
2	Demand Analysis: Theory of Demand –Utility, Indifference Curve (Income and Substitution Effect, Slutsky Theorem, Compensated Demand Curve) - Their Applications, Revealed Preference Theory, Revision of Demand Theory of Hicks, Recent Developments in Demand Analysis (Pragmatic Approach and Linear Expenditure System), Consumer Surplus, Elementary Theory of Price Formation and supply Equilibrium	18 Hr. 45 Min.	25
3	Theory Production and Cost: Production Function – Short period and Long period, Law of variable Proportion and return to scale, Isoquants –Least Cost Combination of Inputs, Returns to Factors, Economies of Scale, Multi product firm, Elasticity of Substitution, Technical Progress and Production Function (Cobb- Douglas, CES Production function), Empirical Work of Production function, Traditional and Modern Theories of Costs.	18 Hr. 45 Min.	25
4	Price and Output Determination: Marginal Analysis as an Approach to price and output determination. Perfect Competition –Short Run and Long Run Equilibrium of Firm and Industry. Price and out determination and supply curve. Monopoly – Short run and Long run Equilibrium- Price determination, Bilateral Monopoly. Monopolistic Competition – General and Chamberlin Approach to Equilibrium – Equilibrium of Firm and Group with Product Differentiation and Selling Costs, Excess Capacity under Monopolistic and Imperfect competition, Criticism of Monopolistic Competition.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I 10 Marks
 2. Internal Test-II 10 Marks
 3. Seminar & Assignment 10 Marks
- Total Marks: 30 Marks**



Reference Books:

1. Ahuja H.L. (2000), Advance Economic Theory, S.Chand and Co., Delhi.
2. American Economic Association, (1969), Welfare Economics
3. Archibald, G.O. (Ed.)(1969), Theory of Firm, Penguin Books.
4. Bach, G.L. (19770, Economics, Prentice Hall of India, New Delhi.
5. Baumol, W.J. (1982), Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
6. Da Costa, G.C. (1980), Production, Prices and Distribution, Tata MacGraw Hill, New Delhi.
7. Henderson, J.M. and R.E. Quandt (1980), Micro Economic Theory: A Mathematical Approach, MacGraw Hill, New Delhi.
8. Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
9. Koutsoyiannis, A. (1990), Modern Microeconomics, MacMillan.
10. Prasad, K.N. (1985), Lectures in Micro Economic Theory, Himalaya Publishing Co., Mumbai.
11. Ray, N.C. (1975), An Introduction to Microeconomics, MacMillan Company of India Ltd., Delhi.
12. Samuelson, P.A. and W.D. Nordhaus (1998), Economics, Tata MacGraw Hill, New Delhi.
13. Stonier, A.W. and D.C. Hague (1972), A Textbook of Economic Theory, ELBS & Longman Group, London



Paper No:- II Macro Economics –I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	<p>National Income Accounting Definitions and concepts of National Income –Importance of national income analysis –Measurement of national income –circular flow of income in two –three and four sector economy; Different forms of national income accounting: Social accounting, flow of funds accounting and balance of payments accounting. Determination of Output and Employment – Classical approach, Keynesian approach</p>	18 Hr. 45 Min.	25
2	<p>II Income Determination Macro Economic equilibrium –simple Keynesian Model –Derivation of IS-LM curve –Equilibrium in the goods and money market. Equilibrium of income and interest rate –Fiscal and Monetary Policy in IS-Lm framework –Lags in the effect.</p>	18 Hr. 45 Min.	25
3	<p>Demand for Money and Supply of money Demand for Money: concept –Different approaches including Post-Keynesian theories (Cambridge, Keynesian, Friedman’s, Tobin’s portfolio approach and Baumal’s). Supply of Money: Concept –types, Theory & Approaches. Effects of money supply –High powered money –new components of money supply (M1,M2, M3, M4). Recent development in money supply analysis in India (L1,L2).</p>	18 Hr. 45 Min.	25
4	<p>Consumption Function: Keynes’ Psychological law of consumption and its validity –the functional relationship between income and consumption –short and long run aspects – post Keynesian consumption function hypothesis: Duesenberry’s demonstration effect –Friedman’s permanent income hypothesis – Modigliani’s life cycle theory. Multiplier: Meaning- working and importance –Leakages. Balanced budget multiplier –Multiplier in the underdeveloped countries.</p>	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

- | | |
|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |



Reference Books:

1. Ackley, G.(1978), Macroeconomics: Theory and Policy, MacMillan, New York.
2. Blackhouse, R. and A. Salnsi (Eds.)(2000), Macroeconomics and the Real World, (2Vol.), Oxford University Press, London.
3. Branson, W.A. (1989), Macroeconomic –Theory and Policy, Haper and Row, New York.
4. Culberston, J.M. (1958), Macroeconomic Theory and Stabilization Policy, MacGraww Hill, Kogenkosh, Tokyo.
5. D’Souza, Errol (2008), Macroeconomics, Pearson Education, Delhi.
6. Dornbusch, R. and F.Stanley (1997), Macroeconomics, MacGraw Hill, New York.
7. Duesenberry, J.S. (1949), Income, Saving and the Theory of Consumer Behaviour, Havard University Press, Harvard.
8. Friedman, M. (1956), Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago.
9. Frisch, H. (1983), Theories of Inflation, Cambridge University Press, Cambridge.
10. Gordon, R. and S.G. Harris (1998), Macroeconomics, Addison Wesley.
11. Gupta, S.B. (1995), Monetary Planning in India, Oxford University Press, New Delhi.
12. Hagger, A.J. (1977), Inflation: Theory and Policy, MacMillan, London.
13. Jha, R. (1991), Contemporary Macroeconomics Theory and Policy, Wiley Estern Ltd., New Delhi.
14. Keynes, J.M.(1936), The general theory of Employment, Interest and Money, MacMillan, London.
15. Patinkin, D. (1965), Money, Interest and Prices, Harper and Row, New York.
16. Rakshit, M. (1998), Studies in the Macroeconomics of Developing Countries, Oxfoprd University Press, New Delhi.
17. Rao, V.K.R.V. (1983), India’s National Income: 1950 to 1980, Sage Publications, New Delhi.
18. United Nations (1974), Year Book of National Account Statistics.



Paper No:- III Quantitative Methods – I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Introduction to Logarithms, Elementary set Theory, Functions: Linear and Quadratic and Implicit of one variable and several variables. Graphical presentation of Linear Functions.	18 Hr. 45 Min.	25
2	Matrix Algebra: Addition and Multiplication of Matrix, Square and Symmetric Matrix, Transpose of Matrix, Matrix Inversion.	18 Hr. 45 Min.	25
3	Determinates: Properties and Expansion of Determinants, Minor and Co-factors, Cramer's Rules and Solution of Simultaneous Equation.	18 Hr. 45 Min.	25
4	Differentiation: An Initiative Explanation of concept of Limits and Continuity, Derivatives, Rules of Derivatives, Second Derivatives, Maxima and Minima	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

1. Allen, R.G.D. (1976). Mathematical Analysis for Economists, Macmillan.
2. Bez, K. (1983). An Introduction to Input Output Techniques, N.B.T., Goel Publishing House, Meerut.
3. Chiang, A.C. (1974). Fundamental Methods of Mathematical Economics, McGraw Hill and
4. Chou Y. (1975). Statistical Analysis, Holt, Reinhart, Winston, New York.
5. Croxton, Crowden and Klein (1971). Applied General Statistics, Prentice Hall of India, New Delhi.
6. Goon, A. M., M. K. Gupta and B. Dasgupta (1993). Fundamentals of Statistics Vol. I, The World
7. Handry, A.T. (1999). Operation Research, Prentice Hall of India, New Delhi.
8. Kogakusha, New Delhi.
9. Kothari, C.R. (1992). An Introduction to Operation Research, Vikas Publishing House, New Delhi.
10. Mehta & Madhani (1992). Mathematics for Economists, S. Chand, New Delhi.
11. Monga, G.S. (1972). Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
12. Nagar, A.L. and R.K. Das (1993). Basic Statistics, Oxford University Press, New Delhi
13. Press, Calcutta.
14. Rao, C.R. (1965). Linear Statistical Inference and Applications, Wiley and Sons.
15. Sukhatme, P. V. and B. V. Sukhatme (1970). Sampling Theory of Survey with Applications, Iowa State University Press, Ames.
16. Taha, H.A. (1997). Operation Research: An Introduction (6th Edn.). Prentice Hall of India Pvt. Ltd., New Delhi.
17. Yamane, T. (1973). Mathematics for Economists, Prentice Hall, New Delhi.



Paper No:- IV Public Economics –I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Introduction: Nature and scope of public economics –role of government in organized society: changing perspective –government in mixed economy; public and private sector; co-operation or competition; government as an agent for economic planning and development: government as a tool for operationalizing the planning process, private, public and merit goods; market failure –imperfection, decreasing costs; externalities, public goods.	18 Hr. 45 Min.	25
2	Public Choice: Private and public mechanism for allocating resources; problems for allocating resources; voting system; Arrow’s impossibility theorem; An economic theory of democracy; politico-eco bureaucracy; recent seeking.	18 Hr. 45 Min.	25
3	Public Expenditure: Wagner’s Law of increasing state activities; Wiseman –Peacock Hypothesis; Pure theory of public expenditure, structure and growth of public expenditure; criteria for public investments.	18 Hr. 45 Min.	25
4	Theory of Taxations: Theory of incidence: Alternative concepts of incidence –Benefit and ability to pay approaches; Theory of optimal taxation; Excess burden of taxes; Trade off between equity and efficiency.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

1. Atkinson, A.B. and J.E. Stiglitz (1980), Lecture on Public Economic, Tata MacGraw Hill, New York.
2. Barman, K. (1986), Public Debt Management in India, Uppal Publishing House, New Delhi.
3. Buchanan, J.M. (1970), The Public Finances, Richard D. Irwin, Homewood.
4. Buchanan, J.M. (1968), The Demand and Supply of Public Goods, Rand McNally, Chicago.
5. Chellaiih, Raja J.(eds,)(1997), Towards Sustainable Growth, Oxford University Press, New Delhi.
6. Chellaiih, Raja J. (1971), Fiscal Policy in Underdeveloped Countries, George Allen and Unwin, London.
7. Cutt, R. (eds,)(1969), Taxation and Economic Development in India, Frederick A Praegar Publishers, New York.
8. Datt, R. (Ed,)(2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
9. Goode, R. (1986), Government Finance in Developing Countries, Tata MacGraw Hill, New Delhi.
10. Jha, R., (1998), Modern Public Economics, Routledge, London.
11. Mueller, D.C. (1979), Public Choice, Cambridge University Press, Cambridge.
12. Mundle, S. (1999), Public Finance Policy: Issues for India, Oxford University Press, New Delhi.
13. Musgrave, R.A. (1977), Essays in Fiscal Federalism, Greenwood West Port.
14. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokoyo.
15. Peacock, A. and G.K. Shaw (1976), The Economic Theory of Fiscal Policy, George Allen and Unwin, London.
16. Reports of Various Finance Commission.
17. Sreekantaradhya, B.S. (1972), Public Debt and Economic Development in India, New Delhi.
18. Stiglitz, J.E. (1986), Economics of Public Sector, Norton, New York.



Paper No:- V Industrial Economics –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Theory of Firm: Concept and organization of a firm –ownership, control and objectives of the firm, Pricing Decisions –Pricing procedures: Theoretical pricing model- pricing in practice: Cost plus or Mark up pricing –Pricing in Public enterprises. Diversification – Concepts –motives for diversification, Vertical Integration and Merger –Measurement approaches –Empirical evidences.	18 Hr. 45 Min.	25
2	Market Structure and Performance: Sellers’ Concentration, Product Differentiation: Entry Conditions, market Structure and Profitability, Market structure and innovation.	18 Hr. 45 Min.	25
3	Market Performance: Growth of the Firm, Growth theories of the firm- Penrose’s Theory, Marris’ theory, size and growth of the firm, determinants of the size, the effect of firm’s size on other performance indicators, Limits to size, Productivity concept and its measurement.	18 Hr. 45 Min.	25
4	Industrial Finance and Project Appraisal: Owned, External and other Components of Funds, Role, Nature, Volume and types of institutional Finance –IFCI, ICICI, IDBI and SFCs, Cost –Benefit analysis –Net Present Value (NPV) and internal rate of return criteria..	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Ahulwali, I.J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
2. Bagchi, A. and M. Banerjee (Eds.) (1976); Change and Choice in Indian Industry, Bagchi Publications, Calcutta.
3. Bains, J.S. (1996), Industrial Organization, Cheltenham, U.K.
4. Barthwal, R.R. (1985): Industrial Economics, Wiley Eastern Ltd., New Delhi.
5. Bhagwati, J. and P. Desai (1972), India: Planning for Industrialization, Oxford University Press.
6. Cherunilam, F. (1994), Industrial Economics: Indian Perspective (3rd Edition) Himalaya Publishing House, Mumbai.
7. Gosh, P.K. (1999), Government and Industry, Oxford University Press, New Delhi.
8. Gupta, L.C. (1969), The Changing Structure of Industrial Finance in India, Oxford University Press, New Delhi.
9. Hay, D. and D. J. Morris (1979), Industrial Economics: Theory and Evidence, Oxford University Press, New Delhi.
10. Kamlen., M.J. and N.L. Schwartz (1982), Market Structure and Innovation, Cambridge University Press, Cambridge.
11. Kirk Patrick, C.M., N. Lee and E.I. Nixon (1984), Industrial Structure and Policy in Less Developed Countries, ELBS/George Allen and Unwin, London.
12. Kuchhal, S.C. (1980), Industrial Economy of India (5th Eds.), Chaitanya Publishing House, Allahabad.
13. Memoria and Memoria (2000), Dynamics of Industrial Relations in Indian (15th Eds.), Himalaya Publishing House, Mumbai.
14. Roma Murthi, R. and R. Vernam (eds.) (1991), Privatization and Control of State Owner Enterprises, The World Bank, Washington.
15. Sanddesara, J.C. (1992), Industrial Growth in India: Performance and Prospects, Lala Lajpatrai College, Mumbai.
16. Sanddesara, J.C. (1992), Industrial Policy and Planning -1947-1991: Tendencies, Interpretations and Issues, Sage Publications, India, New Delhi.
17. Singh, A. and A.N. Sadha (1988), Industrial Economics, Himalaya Publishing House, Mumbai.
18. Wiles, P.J.D. (1963), Price, Cost and Output, Prager, New York.



Paper No:- V Banking and Financial Economics –I (Optional)

Total Marks: 100 Marks
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Credits: 05

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Evolution of Central Banking- Definitions, Characteristics of Central Banks, Development of Bank of England and other Central Banks, present position of Central banks.	18 Hr. 45 Min.	25
2	Central Bank as a Currency Issue Authority –Evolution of Currency Issue function, concentration of note issue in central banks, regulation of note issues –principles and methods of note issue, state notes versus bank notes. Central bank as a Banker, Agent and Adviser to the Government.	18 Hr. 45 Min.	25
3	Central Banks as a Bankers' Bank –The custodian of the cash reserves of the commercial banks –Evolution of reserve function, significance of centralized cash reserves, statutory minimum cash reserves in some countries. The bank of rediscount and lender of the last resort – Introduction, origin, scope and significance of central clearance, settlement and transfer, clearance function in England, U.S., India and others.	18 Hr. 45 Min.	25
4	Techniques of Central Banking –Objectives of Credit Control, Techniques of credit control –Quantitative Credit controls. Bank rate technique –Meaning, evolution and mechanism of the technique, short term versus long term rates, decline and revival of the technique, limitations, Dear and Cheap monetary policy, its assumptions, limitations. Open market operations –Meaning, evolution and mechanism of the technique, bank rate versus open market operations, limitations. Variable reserve requirements –Objectives and mechanism of the technique, open market operations versus variable requirements, limitations. Secondary reserve requirements.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I 10 Marks
 2. Internal Test-II 10 Marks
 3. Seminar & Assignment 10 Marks
- Total Marks: 30 Marks**

Reference Books:

1. Avadhani, V.A., Theory and Practice of Central Banking in India, Somaiya Publications, Mumbai.
2. Bhattacharaya, B.B., Financial Reforms and Financial Development in India, Institute of Management Technology, New Delhi.
3. Bhole, L.M., Impacts of Monetary Policy, Himalaya House, Mumbai.
4. Chunkapura, P.M., Monetary Policy, Reliance Publishing House, Mumbai.
5. De Kock M.H., Central Banking, Universal Book Stall, New Delhi.
6. Desai Vasant, Money and Central Banking, Himalaya House, Mumbai.
7. Ghia and other, Organised Markets, Vora and Co. Ltd., Mumbai.
8. Ghosh B.N. and Ghosh Rama, Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai.
9. Gupta, S.B., Monetary Economics, Institutions, Theory and Policy, S.Chand & Co., New Delhi.
10. Hajela P.D., Problems of Monetary Policy in Underdeveloped Countries –with special reference to India, Lavani Pub. House, Mumbai.
11. Narain Brij, Money and Banking, S. Chand & Co., Delhi.
12. Shekhar S.L.N., Modern Banking, monetary Policy and Finance, Deep and Deep Publications, New Delhi.



Paper No:- V Economics of Health –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	The National and International Health Scheme: Health output indicators and their co-relation with the level of Economic Development and with the Public Expenditure on Health	18 Hr. 45 Min.	25
2	The National and International Health Scheme: Sources of health Statistics – a Critical appraisal of their usefulness and limitations – A Review of the Indian National Health Policy and a Discussion of other feasible alternatives.	18 Hr. 45 Min.	25
3	Resource Allocation in the Health Sector: Resource allocation problems in Private and Government Hospitals – Resource allocation problems facing a private practitioner –The problem of multiple service of hospital – pricing of these services and the choice of the mix of services –The trade-offs between Quantity and Quality.	18 Hr. 45 Min.	25
4	Resource Allocation in the Health Sector: Production function, Productivity –Efficiency and Equity considerations applied to the hospital sector – Spatial Distribution of Health care facilities and services –The demand for health services and the role of the physicians –the Pharmaceutical companies and Health Insurance of this demand.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Banerjee D. (1975), Social Cultural and Foundations of Health Services Systems of India, Inquiry, Supplement to Vol. XII June.
2. Banerjee D. (1982), Poverty, Class and Health Culture in India Vol. I, Prachi Prakashan, New Delhi.
3. Feldstein M.S. (1967), Economic Analysis of Health Service Efficiency, North Holland, Amsterdam.
4. Gandhian Institute for Rural Health and Family Planning (1972), Studies on Mortality in India, Monograph Series No.5.
5. Government of India (1983), National Health Policy, New Delhi.
6. Indian Council of Social Sciences Research and Indian Council of Medical Research (1981), Health for All -200 A.D., ICSSR, Delhi.
7. Klarman H.E. (1965), The Economics of Health, Columbia University Press, Columbia.
8. Krishnakumar T. and Rao K.N. (1987): Financing of Health Services in India: Perspectives and Issues”, Department of Economics, University of Hyderabad, September, (Mimeographed).
9. Madan T.N. (1980), Doctors and Society: Three Asian Case Studies, Vikas Publishing House, Delhi.
10. Malenbaum W. (1971), Progress in Health: What Index of what Progress, Annals of the American, Academy of Politics and Social Science, January.



11. Naik, J.P. (1977), An Alternative System of Health Care Services in India: Some Proposals, ICSSR, Delhi.
12. Newhouse, J.P. (1970), Towards a Theory of Non-profit Institutions: An Economic Model of Hospital, American Economic Review, March.
13. Panchmukhi P.R. (1980): Economics of Health: A Trend Report, in ICSSR A Survey of Research in Economics, Vol. VI, Infrastructure, Allied Publisher, Delhi.
14. Pearce D. and P. Dashgupta (1982), Social Benefit Cost Analysis, MacMillan, London.
15. Rothenberg J. (1951), Welfare Implications of alternate Methods of financing Medical Care, American Economic Review, Proceedings, May.
16. Weisbrod, B.A. (1961), Economics of Public Health, University of Pennsylvania Press, Pennsylvania.
17. Weiseman, j. (1962), Cost Benefit Analysis and Health Service Policy, Scottish Journal of political Economy, Vol. 10, No.1. February.
18. World Bank (1987), The Financing Health Services of Developing Countries: An Agenda for Reform, World Bank Policy Study, Washington



Paper No:- V Labour Economics –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Introductory Outlook of Labour Economics: Meaning and Definition of Labour Economics, its Scope and Nature, Peculiarities of Labour, Historical Development of Labour problems, Labour Problems in India, Evaluation of Labour Policy.	18 Hr. 45 Min.	25
2	Labour Market Analysis: Meaning and Definition of Labour market, Characteristics of Labour market, difference between commodity market and labour market, nature of Labour market in developing countries like India, paradigms of labour market analysis, classical, neo-classical and dualistic economy, demand and supply of labour and factors affecting to demand and supply of labour.	18 Hr. 45 Min.	25
3	Wage Analysis: Meaning and Definition of Wages, its components, wage theories –theory of marginal productivity, demand -supply theory, collective bargaining theory, concepts of wages, minimum wage, fair wage, living wage, wage differentiation in various sectors, inflation –wage relationship and its impact on economy.	18 Hr. 45 Min.	25
4	The Migration and Mobility Analysis: Meaning and definition of migration, its characteristics and process, types of migration, causes and impact of migration, Meaning and definition of mobility, causes of mobility, difference between migration and mobility.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

- | | |
|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Ghose, Ajit.K. (2003), Jobs and Incomes in Globalizing World, ILO, Geneva.
2. Guasch, J. Luis, (1999), Labour Market Reform and Job Creation, The World Bank, Washington D.C.
3. Joshi, M.V. (1999), Labour Economics and Labour Problems, Atlantic Publications, New Delhi.
4. Joshi, M.V.(1999), Labour Economics, Darpan Prakashan, Rajkot.
5. Marcus, Powell, (2003), Economic Restructuring and Human Resource Development, Ashgate Publishing, Aldershot
6. Remon, Gomez (2005), Labour Supply and Incentives of Work in Europe, EE Publishing Limited, U.K.
7. Seth, K.V. and Suresh Chand (2004), The Economics of Labour Market, Ane Books, New Delhi.
8. Uchikawa, Shuji, (2003), Labour Market and Institutions in India, Manohar Pub., New Delhi.



Paper No:- V Rural Development –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Rural Development: - Nature and Scope - Importance and objective of Rural Development, Role of NGO. Rural Economy of India: size and structure of Rural Economy – The characteristics of the Rural Sector – Role of Agricultural and Allied Sector – Role of the Non-Agricultural sub-sector – Nature of changes since Independence – Challenges and opportunities.	18 Hr. 45 Min.	25
2	Measures of Development: Measures of the level of Rural Development – Measures of Distribution of Income –Measures of Development simplified -some Measures of Rural Poverty.	18 Hr. 45 Min.	25
3	Some Paradigm of Rural Development: Introduction –the Modernization Theory –Rosenstein –Rodan’s Theory of the ‘Big Push’ – Libenstein’s Critical Minimum Effort Thesis –Lewis Model of Economic Development with unlimited supply of Labour force –Gunnar Myrdal’s Thesis of Spread and Backward Effects –The Human Capital Model of Development –Gandhian Model of Rural Development –Development Theories from other Social Sciences.	18 Hr. 45 Min.	25
4	Determinants of Rural Development: Change in Output –Changes in the Utilization of Natural Resources –Employment, Capital, Technology and Industrial framework.. Approaches to Rural Development: C.D. Programme –Intensive Agricultural Districts Programme –S.F.D.A. and M.F.A.L.A. –D.P.A.P. –D.D.P. –I.R.D.P., D.W.C.R.A. –S.G.S.Y., Self Help groups in Rural Development, other programmes for Rural Development	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

1. Bhalla G. S. (1994) Economic Liberalization and Indian Agriculture (Ed) Institute for Studies in Industrial Development, New Delhi.
2. John Mellor and Guntant Desai (1986), Agricultural Change and Rural Poverty, Oxford University Press, Mumbai.
3. Katar Singh (1999) Rural Development –Principles, Policies and Management, Sage Publication, New Delhi.
4. Ministry of Rural Area and Employment Programmes for Change, GoI, New Delhi.
5. NABARD (1999) Review of Working of Regional Rural Banks, Mumbai.
6. Plan Documents, GoI, New Delhi.
7. Satyasundaram I. (1999) Rural Development Himalaya Publishing House, New Delhi



M.A. (ECONOMICS)
SEMESTER – II

Paper No:- VI Micro Economic Analysis –II

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Price and Output Determination: Oligopoly –Non collusive Model – Cournot, Bertrand, Edgeworth, Chamberlin Model, Stacklberg Model, Kinked Demand Curve, Collusive Model, Baumol’s Sales Revenue Maximization Model, Williamson’s Model, Full Cost Pricing Rule, Bain’s Limit Pricing Theory.	18 Hr. 45 Min.	25
2	Theories of Distribution: Neo-Classical Approach – Marginal Productivity Theory, Product Exhaustion theorem, Elasticity of Technical Substitution, Technical Progress and Factor shares, Theory of Distribution in perfect product and factor markets, Determination of Rent, Wages, Interest and Profit, Macro Theories of Distribution- Recardian, Marxian, Kalescki and Kaldor’s.	18 Hr. 45 Min.	25
3	Welfare Economics-I: Pigouvian Welfare Economics, Pareto Optimal Conditions, Value Judgment, Social Welfare Function, Compensation Principle, Inability to obtain optimum Welfare –Imperfections, market failure, Decreasing cost, Uncertainty, and Non-existent and incomplete market, Theory of Second Best – Arrow’s Theorem, Rawl’s Theory of Justice, Equity –Efficiency Trade off.	18 Hr. 45 Min.	25
4	Welfare Economics-II: Partial and General Equilibrium, Walrasian Excess Demand and input-output approaches to General Equilibrium, Existence, Stability and Uniqueness of Equilibrium and General Equilibrium, Coalitions and Monopolies, Production without Consumption –One Sector Model, homogeneous function, Income Distribution.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

- Ahuja H.L. (2000), Advance Economic Theory, S.Chand and Co., Delhi.
- American Economic Association, (1969), Welfare Economics
- Archibald, G.O. (Ed.)(1969), Theory of Firm, Penguin Books.
- Bach, G.L. (1977), Economics, Prentice Hall of India, New Delhi.
- Baumol, W.J. (1982), Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Da Costa, G.C. (1980), Production, Prices and Distribution, Tata MacGraw Hill, New Delhi.
- Henderson, J.M. and R.E. Quandt (1980), Micro Economic Theory: A Mathematical Approach, MacGraw Hill, New Delhi.
- Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
- Koutsoyiannis, A. (1990), Modern Microeconomics, MacMillan.
- Prasad, K.N. (1985), Lectures in Micro Economic Theory, Himalaya Publishing Co., Mumbai.
- Ray, N.C. (1975), An Introduction to Microeconomics, MacMillan Company of India Ltd., Delhi.
- Samuelson, P.A. and W.D. Nordhaus (1998), Economics, Tata MacGraw Hill, New Delhi.
- Stonier, A.W. and D.C. Hague (1972), A Textbook of Economic Theory, ELBS & Longman Group, London



Paper No:- VII Macro Economics –II

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Theory of Investment: Meaning and determinants of Investment –marginal efficiency of capital (MEC) and investment: Long and Short run shifts in investment functions –Interest rate –Elasticity of investment –Multiplier and Acceleration: Empirical Evidence –Capital –Output approach.	18 Hr. 45 Min.	25
2	Theory of Inflation: Concept –Sources of inflationary pressure: Demand-pull and Cost-push factors, Sectoral demand shift –International aspect of inflation – Ratchet inflation –Inflation in less developed countries – Inflationary gap –Inflation and distribution of income –stagflation –control of inflation: Income policy, demand restriction, monetary policy, fiscal policy –Philips Curve analysis: Relationship between unemployment and inflation – the natural rate of unemployment hypothesis.	18 Hr. 45 Min.	25
3	Theory of Interest and Monetary Policy: Interest rates and price expectations –Nominal and real interest rates –Inflationary expectations and interest rates. Theories of interest rates: Classical, Neo-classical, Keynesian. Monetary policy: The theory of monetary policy: Meaning, instrument, indicators and targets of monetary policy- Rational expectations hypothesis. Recent monetary policy in India.	18 Hr. 45 Min.	25
4	Financial Market and Capital Market in India: Financial sector in India –money and capital- role of state and financial markets –financial sector reforms in India –Developments in Indian capital markets –Instruments and institutions of money and capital markets -SEBI –Mutual Funds. Business Cycles: Meaning of Business cycles models of Samuelson, Hicks and Kaldor –Control of Business Cycles –relative efficacy of Monetary and Fiscal Policies.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

1. Ackley, G.(1978), Macroeconomics: Theory and Policy, MacMillan, New York.
2. Blackhouse, R. and A. Salnsi (Eds.)(2000), Macroeconomics and the Real World, (2Vol.), Oxford University Press, London.
3. Branson, W.A. (1989), Macroeconomic –Theory and Policy, Haper and Row, New York.
4. Culberston, J.M. (1958), Macroeconomic Theory and Stabilization Policy, MacGraww Hill, Kogenkosh, Tokyo.
5. D’Souza, Errol (2008), Macroeconomics, Pearson Education, Delhi.
6. Dornbusch, R. and F.Stanley (1997), Macroeconomics, MacGraw Hill, New York.



7. Duesenberry, J.S. (1949), Income, Saving and the Theory of Consumer Behaviour, Havard University Press, Harvard.
8. Friedman, M. (1956), Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago.
9. Frisch, H. (1983), Theories of Inflation, Cambridge University Press, Cambridge.
10. Gordon, R. and S.G. Harris (1998), Macroeconomics, Addison Wesley.
11. Gupta, S.B. (1995), Monetary Planning in India, Oxford University Press, New Delhi.
12. Hagger, A.J. (1977), Inflation: Theory and Policy, MacMillan, London.
13. Jha, R. (1991), Contemporary Macroeconomics Theory and Policy, Wiley Estern Ltd., New Delhi.
14. Keynes, J.M.(1936), The general theory of Employment, Interest and Money, MacMillan, London.
15. Patinkin, D. (1965), Money, Interest and Prices, Harper and Row, New York.
16. Rakshit, M. (1998), Studies in the Macroeconomics of Developing Countries, Oxfoprd University Press, New Delhi.
17. Rao, V.K.R.V. (1983), India's National Income: 1950 to 1980, Sage Publications, New Delhi.
18. United Nations (1974), Year Book of National Account Statistics.



Paper No:- VIII Quantitative Methods – II

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Economic Models: Definition of Model, Structural and Reduced form of a Model, Economic models as a system of Simultaneous Equations. Market models and simple Income Determination Model.	18 Hr. 45 Min.	25
2	Measures of Central Tendency - Mean, Median, Mode, Geometric Mean, Harmonic mean, Combined mean, Measures of Variation -Range, Mean Deviation, Variance, Standard Deviation, Coefficient of Variation. Linear Correlation and Regression - Scatter diagram - Pearson's product moment formula for correlation coefficient, Linear Regression - estimation of parameters - interpretation.	18 Hr. 45 Min.	25
3	Index Numbers: Laspeyre's, Paasche's and Fisher's Index numbers. Construction of cost of living index numbers.	18 Hr. 45 Min.	25
4	Probability theory: different concepts and approaches, Laws and Axioms of Probability, conditional probability and concept of Interdependence, Baye's theorem and its applications, Concept of random variable: probability, mass and density functions; Expectations, moments and moment generating functions. Probability distributions: Binomial, Poisson, and Normal.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Allen, R.G.D. (1976). Mathematical Analysis for Economists, Macmillan.
2. Bez, K. (1983). An Introduction to Input Output Techniques, N.B.T., Goel Publishing House, Meerut.
3. Chiang, A.C. (1974). Fundamental Methods of Mathematical Economics, McGraw Hill and
4. Chou Y. (1975). Statistical Analysis, Holt, Reinhart, Winston, New York.
5. Croxton, Crowden and Klein (1971). Applied General Statistics, Prentice Hall of India, New Delhi.
6. Goon, A. M., M. K. Gupta and B. Dasgupta (1993). Fundamentals of Statistics Vol. I, The World
7. Handry, A.T. (1999). Operation Research, Prentice Hall of India, New Delhi.
8. Kogakusha, New Delhi.
9. Kothari, C.R. (1992). An Introduction to Operation Research, Vikas Publishing House, New Delhi.
10. Mehta & Madhani (1992). Mathematics for Economists, S. Chand, New Delhi.
11. Miller, J. (1996). Statistics for Advance Level, Cambridge University press, Cambridge.
12. Monga, G.S. (1972). Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
13. Nagar, A.L. and R.K. Das (1993). Basic Statistics, Oxford University Press, New Delhi
14. Press, Calcutta.
15. Rao, C.R. (1965). Linear Statistical Inference and Applications, Wiley and Sons.
16. Sukhatme, P. V. and B. V. Sukhatme (1970). Sampling Theory of Survey with Applications, Iowa State University Press, Ames.
17. Taha, H.A. (1997). Operation Research: An Introduction (6th Edn.). Prentice Hall of India Pvt. Ltd., New Delhi.
18. Yamane, T. (1973). Mathematics for Economists, Prentice Hall, New Delhi.



Paper No:- IX Public Economics –II

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Public Debt: Sources of Public Debt; Debt through created money, Classical view of public debt; compensatory aspect of debt policy, burden of public debt; public borrowings and price level; crowding out of private investment and activity.	18 Hr. 45 Min.	25
2	Fiscal Policy: Objectives of Fiscal policy –full employment; anti-inflationary, economic growth, redistribution of income and wealth; budgetary deficits and its implications: fiscal policy for stabilization-automatic Vs discretionary stabilization.	18 Hr. 45 Min.	25
3	Federal Finance: Principle of federal finance –fiscal federalism in India – center state financial relations –problems of federal finance –methods of financial adjustment –role of central and state finance commissions in devolution of resources –latest reports of finance commission in India.	18 Hr. 45 Min.	25
4	Budget & Indian Public Finance: Zero base budget –Indian tax system; revenue of the union, states and local bodies, major taxes in India; direct and indirect taxes. Taxation on agriculture, reforms in direct and indirect taxes, taxes on services; non-tax revenue of centre, trends in public expenditure and public debt; fiscal crisis and fiscal sector reforms in India.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

1. Atkinson, A.B. and J.E. Stiglitz (1980), Lecture on Public Economic, Tata MacGraw Hill, New York.
2. Barman, K. (1986), Public Debt Management in India, Uppal Publishing House, New Delhi.
3. Buchanan, J.M. (1970), The Public Finances, Richard D. Irwin, Homewood.
4. Buchanan, J.M. (1968), The Demand and Supply of Public Goods, Rand McNally, Chicago.
5. Chellai, Raja J.(eds,)(1997), Towards Sustainable Growth, Oxford University Press, New Delhi.
6. Chellai, Raja J. (1971), Fiscal Policy in Underdeveloped Countries, George Allen and Unwin, London.
7. Cutt, R. (eds.)(1969), Taxation and Economic Development in India, Frederick A Praegar Publishers, New York.
8. Datt, R. (Ed.)(2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
9. Goode, R. (1986), Government Finance in Developing Countries, Tata MacGraw Hill, New Delhi.
10. Jha, R., (1998), Modern Public Economics, Routledge, London.
11. Mueller, D.C. (1979), Public Choice, Cambridge University Press, Cambridge.
12. Mundle, S. (1999), Public Finance Policy: Issues for India, Oxford University Press, New Delhi.
13. Musgrave, R.A. (1977), Essays in Fiscal Federalism, Greenwood West Port.
14. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
15. Peacock, A. and G.K. Shaw (1976), The Economic Theory of Fiscal Policy, George Allen and Unwin, London.
16. Reports of Various Finance Commission.
17. Sreekantaradhya, B.S. (1972), Public Debt and Economic Development in India, New Delhi.
18. Stiglitz, J.E. (1986), Economics of Public Sector, Norton, New York.



Paper No:- X Industrial Economics –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Theories of Industrial Location: Theories of Industrial Location postulated by A. Weber, Sargent Florence, recent theories of industrial location and factors affecting industrial location. Locations aspects of Indian Industries.	18 Hr. 45 Min.	25
2	Indian Industrial Growth: Classification of Industries, Industrial Policy in India. Role of public and private sectoral industries. Recent trends in Indian industrial growth. MNCs and transfer of technology, liberalisation and privatisation.	18 Hr. 45 Min.	25
3	Regional Industrial Growth in India: Regional industrial growth in India – Industrial economic concentration and remedial measures, issues in Industrial proliferation and environmental preservation, pollution control policies.	18 Hr. 45 Min.	25
4	Industrial Labour: Employment dimension of Indian industry, industrial relations, social security, wages and wage policies.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Ahuliwalia I.J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
2. Barthwa R.R. (1985), Industrial Economics, Wiley Eastern Ltd., New Delhi.
3. Cherumilam F. (1984), Industrial Economics Indian Perspective (3rd Edi.) Himalaya Publishing House, Mumbai.
4. Desai B. (1999), Industrial Economy in India (3rd Ed.), Himalaya Publishing House, Mumbai.
5. Devine P.J. and R.M. Jones (1976), An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.
6. Government of India, Economic Survey, (Annual)
7. Hay D. and D.J. Morris (1979), Industrial Economics: Theory and Evidence, Oxford University Press, New Delhi.
8. Kuchhal S.C. (1980), Industrial Economy of India (5th Ed.) Chaitanya Publishing House, Allahabad.
9. Reserve Bank of India, Report on Currency and Finance (Annual)
10. Singh and A.N. Sadhu (1988), Industrial Economy, S.Chand & Co.Ltd.
11. Naik, Jyoti D. Udyog Ni Sthal Pasandgi, Vasuki Printing.



Paper No:- X Banking and Financial Economics –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Techniques of Central Banking: Qualitative methods of credit control – Objectives, direct actions, moral suasions, credit rationing, regulation of consumer credit, variable margin requirements, publicity and others.	18 Hr. 45 Min.	25
2	Central Banking in India: Evolution of Central banking in India, central banking functions of the Reserve bank of India –note issue function, banker to the government, bankers' bank; Reserve Bank of India as a controller of credit –Bank rate, Open Market Operations, Variable reserve ratio, SLR, Repos, etc. Reserve Bank of India and bill market in India. Bills only doctrine. Crowding out effect and availability doctrine.	18 Hr. 45 Min.	25
3	Money Market: Money Market –Meaning and significance of money market, constituents of money market, characteristics of the Indian money market, suggestions to improve Indian money market.	18 Hr. 45 Min.	25
4	Constitution and Administration of Central Banks: Introduction, Ownership of capital, distribution of profits, administration of central banks, the independence of central banks, autonomy of central banks.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

- Avadhani, V.A., Theory and Practice of Central Banking in India, Somaiya Publications, Mumabi.
- Bhattacharaya, B.B., Financial Reforms and Financial Development in India, Institute of Management Technology, New Delhi.
- Bhole, L.M., Impacts of Monetary Policy, Himalaya House, Mumbai.
- Chunkapura, P.M., Monetary Policy, Reliance Publishing House, Mumbai.
- De Kock M.H., Central Banking, Universal Book Stall, New Delhi.
- Desai Vasant, Money and Central Banking, Himalaya House, Mumbai.
- Ghia and other, Organised Markets, Vora and Co. Ltd., Mumbai.
- Ghosh B.N. and Ghosh Rama, Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai.
- Gupta, S.B., Monetary Economics, Institutions, Theory and Policy, S.Chand & Co., New Delhi.
- Hajela P.D., Problems of Monetary Policy in Underdeveloped Countries –with special reference to India, Lavani Pub. Hou8se, Mumbai.
- Kendriya Banking, (Gujarati) Translation of Central Banking (De kock M.H.) Translator Dr. J.H. Adhvaryu.
- RBI, 50 years of Central Banking
- RBI, C.D. Deshmukh Memorial Lecture Series, Centenary Commemorative Volume.
- RBI, Occasional Papers, (1), Vol. 12, No. 3-4, September-Dec. 1991, (2) Vol. 18, Nos. 2 &3, June-September, 1997.
- Reddy, Y.V., Monetary and Financial Sector Reforms in India- A Central Banker's Perspective, UBS Publishers, New Delhi.
- Reserve Bank of India, Functions and Working
- Shekhar, S.L.N., Modern Banking, Monetary Policy and Finance, Deep and Deep Publications, New Delhi.
- Sundharam, K.P.M., Money, Banking, Trade and Finance, S.Chand & Co., New Delhi.



Paper No:- X Economics of Health –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Evaluation of Benefits and Costs of Health Services: Private benefits and private costs of providing health services –The failure of the market to provide essential health services –The provision of Health Services by the Government –The application of benefit cost analysis to public health and family planning projects.	18 Hr. 45 Min.	25
2	Evaluation of Benefits and Costs of Health Services: The role of health insurance in economic development –Value of output lost due to number of sick days –Benefits and Costs (both private and social) of training professional manpower such as physicians, dentists, pharmacists and nurses.	18 Hr. 45 Min.	25
3	Financing of Health Services: A review of per capita private and public expenditure on health services over time and in different parts of the country – An analysis of the sources of (public) finance for health –The need for a general health insurance – The need for a social health insurance for the poor, disabled and the aged.	18 Hr. 45 Min.	25
4	Financing of Health Services: A Comparative analysis of alternative payment systems such as health insurance, pre-payment scheme, savings – Linked insurance systems etc. Financing Health services through specific (health cess) and general (direct and indirect taxes) local government revenues –The role of development financing institutions in financing health services.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Banerjee D. (1975), Social Cultural and Foundations of Health Services Systems of India, Inquiry, Supplement to Vol. XII June.
2. Banerjee D. (1982), Poverty, Class and Health Culture in India Vol. I, Prachi Prakashan, New Delhi.
3. Feldstein M.S. (1967), Economic Analysis of Health Service Efficiency, North Holland, Amsterdam.
4. Gandhian Institute for Rural Health and Family Planning (1972), Studies on Mortality in India, Monograph Series No.5.
5. Government of India (1983), National Health Policy, New Delhi.
6. Indian Council of Social Sciences Research and Indian Council of Medical Research (1981), Health for All -200 A.D., ICSSR, Delhi.
7. Klarman H.E. (1965), The Economics of Health, Columbia University Press, Columbia.
8. Krishnakumar T. and Rao K.N. (1987): Financing of Health Services in India: Perspectives and Issues”, Department of Economics, University of Hyderabad, September, (Mimeographed).
9. Madan T.N. (1980), Doctors and Society: Three Asian Case Studies, Vikas Publishing House, Delhi.



10. Malenbaum W. (1971), Progress in Health: What Index of what Progress, Annals of the American, Academy of Politics and Social Science, January.
11. Naik, J.P. (1977), An Alternative System of Health Care Services in India: Some Proposals, ICSSR, Delhi.
12. Newhouse, J.P. (1970), Towards a Theory of Non-profit Institutions: An Economic Model of Hospital, American Economic Review, March.
13. Panchmukhi P.R. (1980): Economics of Health: A Trend Report, in ICSSR A Survey of Research in Economics, Vol. VI, Infrastructure, Allied Publisher, Delhi.
14. Pearce D. and P. Dashgupta (1982), Social Benefit Cost Analysis, MacMillan, London.
15. Rothenberg J. (1951), Welfare Implications of alternate Methods of financing Medical Care, American Economic Review, Proceedings, May.
16. Weisbroad, B.A. (1961), Economics of Public Health, University of Pennsylvania Press, Pennsylvania.
17. Weiseman, j. (1962), Cost Benefit Analysis and Health Service Policy, Scottish Journal of political Economy, Vol. 10, No.1. February.
18. World Bank (1987), The Financing Health Services of Developing Countries: An Agenda for Reform, World Bank Policy Study, Washington



Paper No:- X Labour Economics –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Employment Problem: Employment and development relationship, poverty and unemployment in developing countries, Unemployment, concept, types and measurement, unemployment in India, its causes, employment policy in current five year plan and its evaluation, impact of modernization, technological change and modernization on employment in organized private industry.	18 Hr. 45 Min.	25
2	Industrial Relation: Meaning and Definition of industrial relation, Importance of industrial relations, meaning of industrial disputes, types of disputes, various types of strikes, impact of industrial disputes, settlement and preventive mechanism of industrial disputes.	18 Hr. 45 Min.	25
3	Labour Movement in India: Meaning, definition of Labour unionism, growth of the concept, functions of labour union, growth, pattern and structure of Labour unions in India, achievements of Labour unions, weakness and failure of Labour unions in India.	18 Hr. 45 Min.	25
4	Social Security and Other Labour Issues: Concept of Social security, its evaluation, social assistance and social insurance, social security in India, its evaluation, problems of child and women workers, economic reforms and Labour problems, labour market reforms, exit policy, Labour policy in current five year plan, recommendations and implementation of second national Labour Commission.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Bhatia, S.K. (2005), Constructive Industrial Relations and Labour Laws, B.R. World of Books, New Delhi.
2. Datt, Rudra (2005), Economic Reforms and Employment, BRW, New Delhi.
3. Ghose, Ajit.K. (2003), Jobs and Incomes in Globalizing World, ILO, Geneva.
4. Joshi, M.V. (1999), Labour Economics and Labour Problems, Atlantic Publications, New Delhi.
5. Joshi, M.V.(1999), Labour Economics, Darpan Prakashan, Rajkot.
6. Kumar Anil, (2005), Labour Welfare and Social Security, BBW, New Delhi.
7. Kurriakose, Mamkoottam (2005), Labour and Change, BBW, New Delhi.
8. Remon, Gomez (2005), Labour Supply and Incentives of Work in Europe, EE Publishing Limited, U.K.
9. Seth, K.V. and Suresh Chand (2004), The Economics of Labour Market, Ane Books, New Delhi.
10. Uchikawa, Shuji, (2003), Labour Market and Institutions in India, Manohar Pub., New Delhi.



Paper No:- X Rural Development –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	The Green Revolution: New Technology in Agriculture –HYVs and Improved Seeds –Spread of New Technology, its adoption, impact – Determinants of Spread of New Technology.	18 Hr. 45 Min.	25
2	Rural Industrialization in India: Progress and Problems –Rational Approach –Institutional Support –Future Task.	18 Hr. 45 Min.	25
3	Financing Rural Development: Need and Measurement –Domestic Institutional Sources –The Role of Non-institutional Agencies –Deficit Financing and Controlled Inflation –Foreign Sources of Funds –The Role of Foreign Investment –The Role of Foreign Aid. Working of RRBs and its role in Rural Development: Introduction –Sources of Funds –Uses of Funds –The Role of RRBs –Quality of Assets Inspection of RRBs.	18 Hr. 45 Min.	25
4	Implementation, Monitoring and Evaluation: Introduction –Project Implementation –Planning for Implementation -project Control Integration and Coordination –People’s Participation in Implementation –Project Monitoring -Project Evaluation	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Bhalla G. S. (1994) Economic Liberalization and Indian Agriculture (Ed.) Institute for Studies in Industrial Development, New Delhi.
2. I.Satyasundaram (1999) Rural Development Himalaya Publishing House, New Delhi.
3. John Mellor and Gunvant Desai (1986) Agricultural Change and Rural Poverty, Oxford University Press, Mumbai.
4. Katar Singh (1999) Rural Development – Principles, Policies and Management, Sage Publication, New Delhi.
5. Ministry of Rural Area and Employment Programmes for Change, GoI, New Delhi.
6. NABARD (1999) Review of Working of Regional Rural Banks, Mumbai.
7. Plan Documents, GoI, New Delhi.



M.A. (ECONOMICS)
SEMESTER – III

Paper No:- XI Economics of Growth and Development –I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Economic growth and development -Concepts and approaches, Constraints of economic development. Measurement of economic growth and development – Income, welfare and social indicators (PQLI and HDI). Modern concept of economic growth, Factors affecting economic growth -Capital, labor and technology. Income distribution in developing countries, per -capita income and human development in developing countries.	18 Hr. 45 Min.	25
2	Growth models – Harrod and Domar, Instability and equilibrium, Neo-Classical growth models. Solow’s model of long-run growth, Growth models of Meade and Mrs. Joan Robinson	18 Hr. 45 Min.	25
3	Technological progress –Neutral and non-neutral technical change –Hicks and Harrod, Embodied and disembodied technical progress. Production function approach to economic growth, Growth models of Kaldor and Passinetti, Feldman model. Growth models in Indian Five Year Plans -Harrod-Domar model, Mahalanobis Two Sector and Four Sector models, etc.	18 Hr. 45 Min.	25
4	Meaning of Development, Three core values of Development –Life Substance, Self Esteem, Freedom from Servitude, Objectives of Development. Measures of Economic Development, Indicators of Development, Basic Conditions for Development. Measuring Development and Development Gap, Poverty and Income Distribution –Meaning, Areas of Interactions, Unemployment –Issues, Dimension, Analysis.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

- Adelman, I. (1961). Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Behrman, S. And T.N.Srinivasan (1995). Handbook of Development Economics, Vol.3, Elsevier, Amsterdam.
- Ghatak, S. (1986). An Introduction to Development Economics, Allen and Unwin, London.
- Higgins, B. (1959).Economic Development, W.W.Norton, New York.
- Meir, G.M. (1995). Leading Issues in Economic Development, (6th Edition). Oxford University Press, New Delhi.
- Thirwall, A.P. (1999). Growth and Development, (6th Edition). Macmillan, U.K.
- Todaro, M.P. (1996). Economic Development, (6th Edition). Longman, London.
- Chakravarti, S. (1987). Development Planning: The Indian Experience, Clarendon Press, Oxford.
- Dasgupta, P., A.K. Sen and S. Maglin (1972). Guidelines for Project Evaluation, UNIDO, Viena.
- Hayami, Y. (1997). Development Economics, Oxford University Press, New York.
- Mishan, E.J. (1975). Cost Benefit Analysis, (2nd Edition). Allen and Unwin, London.
- Ray, Debraj (1998). Development Economics, Oxford University Press, Delhi.
- Sen, A.K. (Ed.) (1990). Growth Economics, Penguin, Harmondsworth.
- Todaro, M.P. (1971). Development Planning: Models and Methods, Oxford University Press, Oxford.
- United Nations (1994). Human Development Report, United Nations, New York.



Paper No:- XII International Trade and Finance-I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Theories of International Trade: Classical Theories- Adam Smith, Ricardo and J.S. Mill. Haberler's Theory of Opportunity Cost, Heckscher- Ohlin Theorem. Factor Price Equalization Theorem, Stolper Samuelson Theorem	18 Hr. 45 Min.	25
2	Rbczynski Theorem, Imitation Gap Theories of Trade, Product Cycle Theories of Trade, Economic Growth and International Trade, Gains from Trade and Income Distribution, Immiserising Growth, Technical Progress and Terms of Trade	18 Hr. 45 Min.	25
3	Intra Industry Trade, Intra Industry Trade in Homogeneous and Differentiated Products, Welfare Implications, International Factor Movements: Labour Migration and Brain Drain, Capital Movements- Direct and Portfolio Investments, Multinational Enterprise, Trade under Imperfectly Competitive Market	18 Hr. 45 Min.	25
4	Theory of Tariffs and Terms of Trade, Optimum Tariff, Effective Rate of Protection, "Tariffs, Subsidies and Distortions in Commodity and Factor Markets", Customs Union and its effects, International Trade and Environment	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Bhagwati, J. (Ed.) (1981), International Trade, selected Readings, C UP, Massachusetts
2. Bhagwati, J.(Ed.) (1981), International Trade: Selected Readings, Cambridge University Press,Mass
3. Brahmananda, P.R. (1982). The IMF Loan and India's Economic Future, Himalaya Publishing, Mumbai
4. Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakush Japan
5. Grable, J.O.(1960) International Financial Markets, Prentice Hall, Englewood Clifis, New York
6. Greenway,D.(1983), International Trade Policy, Macmillan Publishers Ltd. London
7. Heller, H. Robert(1968), International Money: Issues and Analysis. The ELBS and Nelson
8. Joshi, V. and I. M. D. Little (1998), India's Economic Reforms, 1999-2000, Oxford University Press, New Delhi
9. Kenen, P.B. (1994), The International Economy, Cambridge Univ. Press, London.
10. Kindleberger, C.P.(1966). A History of Financial Crisis: Manias, Panics and Crashes, (3rd Edition) John Wiley and Sons, New York.
11. Kindleberger, C.P.(1973), International Economics, R. D. Irwin, Homewood
12. Krugman, P. and Maurice Obstfeld. (2007), International Economics, New Delhi: Pearson
13. Salvatore, D. (1997), International Economics, The Macmillan Press Ltd. London
14. Yeager, L.B. (1967), International Monetary Relations: Theory and Policy, Harper and Row, New York



Paper No:- XIII Environmental Economics –I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Basic concepts of components of nature: Earth as a special planet with thermodynamic principle – components of glob Earth: hydrosphere, atmosphere, lithosphere, biosphere and Ecosystem – Definition of environment and various components of environment – Importance of biodiversity – Definition of pollution, Environmental degradation – Relation between environment and economy	18 Hr. 45 Min.	25
2	Environment and Economic resource availability: Environment as a source of all economic resources, various kinds of resources: Biotic-Abiotic, Renewable-Nonrenewable (depletable), Energetic-Materials, Consumable final resource- Intermediate resources, Diffused-Ready usable Resources	18 Hr. 45 Min.	25
3	Environmental degradation and environmental problems: Local or regional problems of various types of pollution: air, water, land, animal, human lives and human health, animals and creatures, micro-organism, natural and man-made property. Loss Bio-diversity and case study of Madagascar. – Trans boundary problem of pollution: River pollution, Air pollution, Marine pollution (case study of Mediterranean Sea) – Depletion of ozone layer – global warming – Depletion of Ozone layer.	18 Hr. 45 Min.	25
4	Environmentally Sustainable Development: Definition and concept of sustainable development – stock of Non-renewable resources: Intergenerational and Intragenerational disparity of welfare – Resource crises and Optimum use of resources: Rational use of renewable resources and Biological Dimensions, Growth Curve: fish, forest, grass-land; Non-renewable resources and Optimum Extraction of Exhaustible Resources.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Fisher, A. C. (1981), Resource and Environmental Economics, Cambridge University Press, Cambridge.
2. Hanley, N., J. F. Shogeren and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
3. Jeroen, C. J. M., Vsn Den Bergh (1990), Handbook of Environmental and Resource Economics, Edward Elger Publishing Ltd., U.K.
4. Katar Singh and Anil Sisodiya (2007), Environmental Economics, Sage Publication, New Delhi.
5. Pearce, D. W. and R. Turner (1991), Economics of and Natural Resource Use and Environment, John Hopkins University Press, Baltimore.
6. Perman, R. Ma and MaGilvary (1996), Natural Resource and Environmental Economics, Longman, London.
7. Rabindra Bhattacharya
8. Ramprasad Sengupta (2001), Ecology and Economics, Oxford University Press, New Delhi.
9. Sankar, U. (Ed) (2001), Environmental Economics Oxford University Press, New Delhi.
10. Tietenberg, T. (1994), Environmental Economics and Policy, Harper Collins, New York.



CASE STUDY (INDIA):

1. Baland, J. M. and J. P. Plateau (1994), Halting Degradation of Natural Resources: Is there a role for Rural Communities, Oxford University, Oxford.
2. Chopra, K. (1998), Valuation of Bio-diversity within Protected Areas: Alternative Approach and a case study, Institute of Economics Growth, Delhi.
3. Hadker, N. et. Al. (1997), Willing to Pay for Borivali National Park: Evidence from Contingent Valuation, Ecological Economics; Vol. 21.
4. Markandya, A. and M. N. Murty (2000), Cleaning up the Ganges: Cost-Benefit Analysis of Ganga Action Plan, Oxford University Press, New Delhi.



Paper No:- XIV Indian Economic Policy –I

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Economic Development in India: Approaches to Economic Development and its measurement –Sustainable development. Indicators of Development, PQLI, Human Development Index (HDI), Gender Development Indices: Gender Empowerment Index.	18 Hr. 45 Min.	25
2	Planning in India: Objectives and Strategy of Indian Planning, Limitations of Indian Planning, Developing Grass root Organizations for Development – Panchayat, NGOs, and Pressure Groups.	18 Hr. 45 Min.	25
3	Economic Reforms in India: Economic Reforms and Globalization of Indian Planning.	18 Hr. 45 Min.	25
4	Demographic Features, Poverty and Inequality in India: Broad Demographic features of Indian Population; National Family Health Survey 2005-06, Pattern of Migration and Urbanization in India. Poverty and Inequality –Recent trends. Recent Population Policy of India.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in Honour of Manmohan Singh), Oxford University Press, New Delhi.
2. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
3. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
4. Brahmananda, P.R. and V.R. Panchmukhi (eds.) (2001), Development Experience in the Indian Economy: Inter – State Perspectives, Bookwell, Delhi.
5. Chakravarthy, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
6. Dantwala, M.L. (1996), Dilemmas of Growth: The Indian Experience, Sage Publication, New Delhi.
7. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
8. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
9. Jain, A.K. (1986), Economic Planning in India, Ministry of Finance, New Delhi.
10. Jalan, B. (1992), The Indian Economy –Problems and Prospects, Viking, New Delhi.
11. Jalan, B. (1996), India's Economic Policy –Preparing for the Twenty First Century, Viking, New Delhi.
12. Joshi, V. and I.M.D. Little (1999), India: Macro Economics and Political Economy, 1964 -1991, Oxford University Press, New Delhi.
13. Parikh, K.S. (1999), Indian Development Report -1999 -2000, Oxford University Press, New Delhi.
14. Reserve Bank of India, Report on Currency and Finance, (Annual).
15. Sanddesara, J.C. (1992), Industrial Policy and Planning, 1947 – 1991: Tendencies, Interpretations and Issues, Sage Publications, New Delhi.
16. Sen, R.K. and B. Chatterjee (2001), Indian Economy: Agenda for 21st Century (Essays in Honour of Prof. P.R. Brahmananda), Deep & Deep Publications, New Delhi.



Paper No:- XIV Research Methodology (For Dissertation Group)(OPTIONAL FOR PAPER XIV)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Research – Concept, Characteristics, Importance & Limitations. Research Methods – Survey Method, Experimental Method & other Methods. Research Design -Definition, Characteristics of a good Research Design, Types of Research Design.	18 Hr. 45 Min.	25
2	Formulation of Research Problem & Hypothesis: Research Problem, Conditions, Sources & Criteria, Hypothesis –Importance, types, Difficulties in formulation.	18 Hr. 45 Min.	25
3	Sampling Methods: Types of Sampling Methods, Advantages & Disadvantages of Census Method.	18 Hr. 45 Min.	25
4	Collection of Data: Primary & Secondary Data, Methods of Primary Data Collection, Questionnaire –Construction & Design, Types of Questionnaire, Sources of Secondary Data, Precautions in use of Secondary Data.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Bailey, Kenneth D., (1982), Methods in Social Research, New York: MacMillan Publishing Co.
2. Festinger, Leon & Katz Daniel: Research Methods in the Behavioural Sciences, New Delhi.
3. Groves, R. M., Fowler, F. J., Couper, M. P., Lepkowski, J. M., Singer, E., & Tourangeau, R. (2004). Survey methodology that work. Hoboken, NJ: Wiley.
4. Henry, G. T. (1990). Practical sampling. Thousand Oaks, CA: Sage
5. Kothari, C.R., (1985), Research Methodology-Methods and Techniques, New Delhi: Wishwa Prakashan
6. Levin, Jack, (1973), Elementary Statistics in Social Research, New York, Harper and Row Publishers.
7. Nachmias David & Nachmias Chava, (1981), Research Methods in the Social Sciences, New York, St. Martin's Press.
8. Panneerselvam, R., (2004), Research Methodology, Prentice Hall of India, New Delhi,
9. Pauline Vyoung: Scientific Social Surveys and Research.
10. Sanders, Willam, B. & Pinhey Thomas K.: The Conduct of Social Research, New York, CBS College Publishing, 19
11. Weisberg, H. F., Krosnick, J. A., & Bowen, B. D. (1996). An introduction to survey research, polling, and data analysis (3rd ed.). Thousand Oaks, CA: Sage.
12. Wilkinson & Bhandarkar: Methodology and Techniques of Social Research
13. William, Zigmund, Business Research Methods, Tata MacGRaw Hill, New Delhi.



Paper No:- XV Agricultural Economics –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Agriculture and Economic Development: Nature, scope and issues of agricultural economics, organizational structure of agriculture; Role of agriculture in economic development. Interdependence between agriculture and industry - Some empirical evidence. Models of interaction between agriculture and the rest of the economy, Agricultural development. Agricultural diversification, development of agro-based industries.	18 Hr. 45 Min.	25
2	Economics of Rural Infrastructure: Use of land, water and energy, rural social infrastructure-education and health. Land reforms –Land distribution –Structure and trends, Land values and rent, Land tenures and farming systems –Peasant, capitalist and state farmings, Tenancy and crop sharings –Forms, incidence and effects; Land reform measures and performance. Women and land reforms, problems of marginal and small farmers.	18 Hr. 45 Min.	25
3	Agricultural Production and Productivity: Agricultural production –Resource use and efficiency, production function analysis in agriculture, factor combination and resource substitution, cost and supply curves. Farm size and laws of returns –Theoretical and empirical findings. Farm budgeting and cost concepts, supply response of individual crops and aggregate supply. Resource use efficiency in traditional agriculture, technical change, labour absorption.	18 Hr. 45 Min.	25
4	Rural Labour Market: Rural labour supply, interlocking of factor markets, mobility of labour and segmentation in labour markets. Marginalization of rural labour, nature, extent and trends in rural employment Agricultural wages in India, Male-Female wage differences, non-agricultural rural employment – Trends and determinants.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Bhalla, G.S. (1994). Economic Liberalisation and Indian Agriculture, Institute for Studies in Industrial Development, New Delhi.
2. Chada, G.K. and A.N. Sharma (1997). Growth, Employment and Poverty: Change and Continuity in Rural India, Vikas Publishing House, New Delhi.
3. Dantwala, M.L. (1996). Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
4. Government of India (1976). Report of the National Commission on Agriculture, New Delhi.
5. Gulati and Kelly (1999). Trade Liberalisation and Indian Agriculture, Oxford Univ. Press, New Delhi.
6. Jodhar, N. (Eds.) (1996). Challenges to Indian Bankings, Macmillan, New Delhi.
7. R.B.I. (1989). Report of the Agricultural Credit Review Committee, Reserve Bank of India, Bombay.
8. Rao, C.H. Hanumantha (1975). Agricultural Growth, Rural Poverty and Environmental Degradation in India, Oxford University Press, New Delhi.
9. Reserve Bank of India, Report on Currency and Finance (Annual). Mumbai.
10. Rudra, A. (1982). Indian Agricultural Economics: Myths and Reality, Allied Publishers, New Delhi.
11. Subbarao, K. and De Janvry (1986). Agricultural Price Policy and Income Distribution in India, O.U.P., N. Delhi.



Paper No:- XV Economics of Education- I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Contribution of education to economic growth, Schultz's view, the opportunity cost of educational investment, criteria for evaluating investment project, rate of return to investment in education, link between education and productivity, estimate of the social rate of return.	18 Hr. 45 Min.	25
2	Concept of manpower requirement, methods of demand forecasting, links between manpower, levels of output and education. Evaluation of manpower forecasting, case study of manpower analysis, manpower planning as a continuous process.	18 Hr. 45 Min.	25
3	Balance between public and private financing of education, arguments for public subsidy, effects of public subsidy on equity and efficiency, scope of cost recovery in education, role of fees, student loans and community involvement in financing education, financing of vocational and technical education	18 Hr. 45 Min.	25
4	Alternative ways of measuring and analyzing educational costs, alternative cost concept, importance of teachers' salaries, pattern of unit cost of education, relationship between average and marginal costs: cost functions, the need for cost reduction.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Becker, G.S. (1974). Human Capital (2nd Ed.). National Bureau of Economic Research, New York.
2. Blaug, M. (1972). Introduction to Economics of Education, Penguin, London.
3. Cohen, E. and T. Gaske (1989). Economics of Education, Pergamoun Press, London.
4. Mc Mohan (1999). Education and Development: Measuring the Social Benefits, Oxford University Press, Oxford.
5. Schultz, T.W. (1971). Investment in Human Capital, Free Press, New York.
6. Tilak, J.B.G. (1994). Education for Development in Asia, Sage Publications, New Delhi.
7. Vaizoy (1962). Economics of Education, Faber and Faber, London.
8. Woodhall, M. (1992). Cost Benefit Analysis in Educational Planning, UNESCO, Paris.
9. World Bank (1993). The World Development Report, 1993: Investing in Health, O.U.P., New York.



Paper No:- XV Economics of Insurance –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Introduction: Economics Security; Human Quest for security through time; Exposure to losses, Role of Insurance: Definition of Insurance; Risk pooling and Risk transfer; Economic and Legal Perspectives, Social Vs Private Insurance; Life Vs Non-life insurance, Classification of Life, Health and General Insurance Policies.	18 Hr. 45 Min.	25
2	Insurance and Economic Development: Risk Management and Insurance, Insurance in Economic Development, Insurance Institutions as financial intermediaries, Insurance Institutions as Investment Institutions, Insurance Institutions in Indian Capital Market, Regulations Governing investments of Insurance Institutions in India; IRDA Rules in this regard.	18 Hr. 45 Min.	25
3	Risk and Risk Management: Fundamentals of Uncertainty and risk, pure risk and speculative risk; Expected utility and the demand for insurance; moral hazards and insurance demand; concept of risk management; Essentials of Risk managements; Elements of Risk management, Risk assessment; Risk Control and risk financing; World Wide risk sharing.	18 Hr. 45 Min.	25
4	Concept of Reinsurance: Concept of Reinsurance, Fundamentals of Reinsurance, Types of Reinsurance, Reinsurance distribution systems, Reinsurance markets in Developing Countries.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Bhole, L.M. (1990), The Indian Financial System, Tata McGraw Hill, New Delhi.
2. Bickelhaupt, D.L. (1992), General Insurance, Irwin Inc., Burr Ridge, Ill.
3. Black, K. Jr. and H.D. Skipper Jr. (2000), Life and Health Insurance, Prentice Hall, Upper Saddle river, New Jersey.
4. Finsinger, J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation: A Cross National Study, Macmillan, London.
5. Skipper, Jr., H.D. (Ed.) (1998), International Risk and Insurance: An Environmental Management Approach, Irwin McGraw Hill, Boston.
6. Tacchino, K.B. and D. A. Little (1993), Planning for Retirement Needs, The American College, Bryn Mawr, Pa.



Paper No:- XV Theories of Demography –I (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Population and Development: Meaning and scope of Demography, Components of Population growth and their interdependence; Measures of population change, Structure, Distribution and sources of population data; Theories of population - Malthus, Optimum theory of population; Theory of Demographic Transition – Views of Medows, Enke and Simon; Population and Development.	18 Hr. 45 Min.	25
2	Structure of Population: Population trends in the Twentieth century; Population Explosion –Threatened or real, Distant or Imminent, international aspects of population growth and distribution; Pattern of age and sex structure in more developed and less developed countries; determinants of Age and sex structure; Demographic effects of sex and age structure, economic and social implications; Age pyramids and projections –Individual aging and population aging.	18 Hr. 45 Min.	25
3	Fertility, Nuptiality and Mortality: Importance of study of fertility –Total fertility, Gross reproduction rate and net reproduction rate; levels and trends of fertility in more and less developed countries; factors affecting fertility- Socio-economic factors- economic status, health, education, nutrition, caste, religion, race, region, rural-urban and status of husband and wife; Nuptiality –Concept and analysis of marital status, single mean age at marriage, Synthetic cohort methods.	18 Hr. 45 Min.	25
4	Fertility, Nuptiality and Mortality: Trends in age at marriage, Mortality –Death rates, crude and age-specific, Mortality at birth and infant mortality rate; Levels and trends in more and less developed countries; Sex and age pattern of mortality; Factors for decline in mortality in recent past; Life table – Construction and Uses; Concepts of Stable population; Methods of population projection.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Agrawal S.N. (1972) India's Population Problem, Tata McGraw Hill Co., Mumbai.
2. Bogue., D.J. (1971), Principles of Demography, John Wiley, New York.
3. Bose, A. (1996), India's Basic Demographic Statistics B.R. Publishing Corporation, New Delhi.
4. Chenery H, and T.N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1&2 Elsevier.
5. Choubey, P.K. (2000), Population Policy in India, Kanishka Publications.
6. Coale A.J. and E.M. Hoover (1958), Population Growth and Economic development in Low Income Countries: A Case Study of India's Prospects, Princeton University Press, Princeton.
7. Gulati, S.C. (1988), Fertility in India: An Econometric Study of Metropolis, Sage, New Delhi.
8. Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press.
9. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
10. Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
11. Sryrock, H. et. Al. (1973), The Methods and Materials of Demography, U.S. Department of Commerce, Washington D.C.



Paper No:- XV Economics of Infrastructure –I (Optional)

Total Marks: 100 Marks
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Credits: 05

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Theories of Economics of Infrastructure: Infrastructure in economic development –public good, social good and physical infrastructure –special characteristics of public utilities. The peak load, off load problem, Dual principal controversy –Economics of Scale in joint supply –Managing cost pricing and other methods of pricing public utilities, cross-subsidization – free prices equity and efficiency.	18 Hr. 45 Min.	25
2	Transportation Economics: The structure of transport costs and location of economic activities –Demand for Transport cost function in transport sector –Principle of pricing –Special problems of individual modes of transport.	18 Hr. 45 Min.	25
3	Communication Economics: Rate making in Telephone utilities, Principle of decreasing cost in economics –Characteristics of postal services –Criteria for fixed postal rates –Measurement of standards of services in Telephone and Postal utilities.	18 Hr. 45 Min.	25
4	Energy Economics: Energy & Economic Development –Factors determining demand for energy –Effects of energy shortage costing and pricing energy –Energy conservation, renewable and non-conventional sources of energy, optimal energy policy in India – Public–private partnership in energy investment and energy development. Infrastructure is a pre-requisite of growth.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I	10 Marks
2. Internal Test-II	10 Marks
3. Seminar & Assignment	<u>10 Marks</u>
Total Marks:	30 Marks

Reference Books:

1. Centre for Monitoring Indian Economy (2009) India- Energy Sector, CMIE, Mumbai.
2. Fariss and R. Saurson (1975) Public Utilities, Hughton Miffin, Boston.
3. G.O.I. (1999) Report on Committee on Power (Rajyadhyaksha Committee), New Delhi.
4. Govt. of India (1968) Interim Report on P & T Enquiry Committee, Govt. of India, New Delhi.
5. Jha, R., Murty, M.N. and Pual, S. (1990) On Fixing Prices of Postal Services in India national Institute of Public Finance & Policy, New Delhi.
6. Kheafsey (1975) Transportation Economic Analysis, Lexington Press, Torouts.
7. Norton H.J. (1971) Modern Transport Economics, C.E. Merrill, London.
8. Parikh, J. (1997) Energy Models for 200 Beyond, Tata Macgraw Hill, New Delhi.
9. Ph. Nelson, J. (1964) Marginal Cost and Pricing in Practicing, Prentice Hall, Englewood Cliff.
10. World Development Reports, Washington D.C.



M.A. (ECONOMICS)
SEMESTER – IV

Paper No:- XVI Economics of Growth and Development –II

Total Marks: 100 Marks
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Credits: 05

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Theories of Development -Dualism –Social, technical and financial dualism. Lewis model of economic development, Ranis and Fei model, Jorgenson's model, Criticism. Balanced and unbalanced growth, Linkage effect – Hirschman and Nurkse, Rosenstein Rodan's Big- Push theory, The theory of Backwash and Spread effect. Stage theories of development –Marx and Rostow.	18 Hr. 45 Min.	25
2	Social, Sectoral and Institutional aspects of Development- Population and Development, Education and Development –issues in Education, Inequality, Poverty and Education, Human Resource –Prof Sen's contribution, Human Development Index –Concepts, and Policies to Improve it, The Concept of Sustainable Development. Role of Agriculture, Globalization and Agriculture, Pattern of Industrialization, Terms of Trade between Agriculture and Industry, Infrastructure and Development, Technology and Development, International Trade as Engine of growth- static and dynamic gains from trade- Prebisch, Singer and Myrdal Thesis vs. Free trade	18 Hr. 45 Min.	25
3	Financing Development –Domestic Sources –The Prior Saving Approach, Monetary Policy, Fiscal Policy, The Keynesian Approach, External Resources, Dual Gap Analysis and Foreign Borrowings, International Assistance, Borrowing and Direct Investment, Issues and Options.	18 Hr. 45 Min.	25
4	Techniques and Problems of Development Planning -Planning techniques - Input-output analysis, Linear programming, Choice of technique. Allocation of resources –Need for investment criteria in developing countries, Present Vs future, Alternative investment criteria –Capital turnover criterion, SMP criterion, Reinvestment criterion and Time series criterion. Cost Benefit Analysis, Shadow prices, Project evaluation and UNIDO guidelines. Economic development in India –Planning strategy and pattern of investment.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I 10 Marks
 2. Internal Test-II 10 Marks
 3. Seminar & Assignment 10 Marks
- Total Marks: 30 Marks**



Reference Books:

1. Adelman, I. (1961). Theories of Economic Growth and Development, Stanford University Press, Stanford.
2. Behrman, S. And T.N.Srinivasan (1995). Handbook of Development Economics, Vol.3, Elsevier, Amsterdam.
3. Ghatak, S. (1986). An Introduction to Development Economics, Allen and Unwin, London.
4. Higgins, B. (1959). Economic Development, W.W.Norton, New York.
5. Meir, G.M. (1995). Leading Issues in Economic Development, (6th Edition). Oxford University Press, New Delhi.
6. Thirwall, A.P. (1999). Growth and Development, (6th Edition). Macmillan, U.K.
7. Todaro, M.P. (1996). Economic Development, (6th Edition). Longman, London.
8. Chakravarti, S. (1987). Development Planning: The Indian Experience, Clarendon Press, Oxford.
9. Dasgupta, P., A.K. Sen and S. Maglin (1972). Guidelines for Project Evaluation, UNIDO, Viena.
10. Hayami, Y. (1997). Development Economics, Oxford University Press, New York.
11. Mishan, E.J. (1975). Cost Benefit Analysis, (2nd Edition). Allen and Unwin, London.
12. Ray, Debraj (1998). Development Economics, Oxford University Press, Delhi.
13. Sen, A.K. (Ed.) (1990). Growth Economics, Penguin, Harmondsworth.
14. Todaro, M.P. (1971). Development Planning: Models and Methods, Oxford University Press, Oxford.
15. United Nations (1994). Human Development Report, United Nations, New York.



Paper No:- XVII International Trade and Finance-II

Total Marks: 100 Marks Credits: 05
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Balance of Payments- Concepts, Equilibrium in the Balance of Payments, BoP Adjustment- Automatic Mechanism, Monetary & Fiscal Policy: Expenditure Changing Policy, Income Approach, Price Approach, Marshall-Lerner Conditions: Empirical Measurement of Elasticities, Absorption Approach and its Empirical Analysis, Synthesis of two Approaches	18 Hr. 45 Min.	25
2	Foreign Trade Multiplier, Exchange Rate Systems- Overview of different Systems, Fixed and Flexible Exchange Rate System: Merits & Demerits in context of Developing Countries, Foreign Exchange Rate Determination, Foreign Exchange Market: Spot and Forward Market, Hedging & Speculation	18 Hr. 45 Min.	25
3	Optimum Currency Area Theories- Factor Mobility Theory (Mundell), Open Economy Theory (McKinnon), Propensity to Inflation Theory (Magnifico), India's Foreign Trade- Trends, Composition and Direction (Post Reforms)	18 Hr. 45 Min.	25
4	Import Substitution and Industrialisation, IMF & its Objectives, International Liquidity, SDR & Developing Countries, Trade Organisations- GATT, EEC, WTO, the new international economic order	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I 10 Marks
2. Internal Test-II 10 Marks
3. Seminar & Assignment 10 Marks
- Total Marks: 30 Marks**

Reference Books:

1. Bhagwati, J. (Ed.) (1981), International Trade, selected Readings, C UP, Massachusetts
2. Bhagwati, J.(Ed.)(1981), International Trade: Selected Readings, Cambridge University Press,Mass
3. Brahmananda, P.R. (1982). The IMF Loan and India's Economic Future, Himalaya Publishing, Mumbai
4. Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakush Japan
5. Grable, J.O.(1960) International Financial Markets, Prentice Hall, Englewood Clifis, New York
6. Greenway,D.(1983), International Trade Policy, Macmillan Publishers Ltd. London
7. Heller, H. Robert (1968), International Money: Issues and Analysis. The ELBS and Nelson
8. Joshi, V. and I. M. D. Little (1998), India's Economic Reforms, 1999-2000, Oxford University Press, New Delhi
9. Kenen, P.B. (1994), The International Economy, Cambridge Univ. Press, London.
10. Kindleberger, C.P. (1966). A History of Financial Crisis: Manias, Panics and Crashes, (3rd Edition) John Wiley and Sons, New York.
11. Kindleberger, C.P.(1973), International Economics, R. D. Irwin, Homewood
12. Salvatore, D. (1997), International Economics, The Macmillan Press Ltd. London
13. Yeager, L.B. (1967), International Monetary Relations: Theory and Policy, Harper and Row, New York



Paper No:- XVIII Environmental Economics –II

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Market Failure and Environmental Degradation: -Incomplete Markets – Externalities –Common property Resources (CPR), Concept, nature of CPR, Uncertainty of CPR, Non-Exclusion, Free riding – Non Rivalry and public goods —Non-convexities — Moral Hazard – - Adverse Selection.	18 Hr. 45 Min.	25
2	Valuation for Valuing Environmental Costs and Benefits: —Market based Valuation: Direct Methods of Valuation: – The contingent valuation Method and its Stages (CVM) – Problems in CVM - State Preference Method and its Stages._Indirect Methods of Valuation: - Travel Cost Model and its Variants, Hedonic Pricing, Dose Response, Averting Expenditure and Avoided Cost Methods.—The Theory of Non-Market Valuation - Measures of Economic Value – Valuing Risk and Ex-Ante measure of value – Issue in Non-Market Valuation	18 Hr. 45 Min.	25
3	Environmental Regulation and Environmental Economic Policy: Economic Incentives: Price rationing: Charges and Subsidies – Liability rules – Quantity Rationing – Practical Conditions for Use of Economic Incentives. Pollution-Taxes: Efficiency Properties of a Tax on Emission – Problems with Pollution Taxes. Tradable Pollution Permits: Concept and Basic Theory of Tradable pollution permits – Problems Associated with the Market Itself.	18 Hr. 45 Min.	25
4	Environmental Management Policy: Meaning of Environment Management — Need for an Environment Policy: Increasing population of human beings and animal, growing urbanization and industrialization, growing chemicalisation of agriculture, unregulated international trade in agricultural commodities, High discount rate and myopic planning, Irreversibility, Uncertainty and risk aversion. — Vision and Goals for Environment Policy: Survival of human and other life system, Sustainability and efficiency, Intergenerational equity, Nationalistic stance.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Baumoul, W. J. and W.E. Oate (1988), The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
2. Bromely, D. W. (Ed) (1995) Handbook of Environmental Economics, Blackwell, London.
3. Fisher, A. C. (1981), Resource and Environmental Economics, Cambridge University Press, Cambridge.



4. Hanley, N., J. F. Shogren and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
5. Hussen, A. M. (1999), Principles of Environmental Economics, Routledge, London.
6. Jeroen, C. J. M., Vsn Den Bergh (1990), Handbook of Environmental and Resource Economics, Edward Elger Publishing Ltd., U.K.
7. Pearce, D. W. and R. Turner (1991), Economics of and Natural Resource Use and Environment, John Hopkins University Press, Baltimore.
8. Perman, R. Ma and MaGilvary (1996), Natural Resource and Environmental Economics, Longman, London.
9. Sankar, U. (Ed) (2001), Environmental Economics Oxford University Press, New Delhi.
10. Tietenberg, T. (1994), Environmental Economics and Policy, Harper Collins, New York.

CASE STUDY (INDIA):

1. Baland, J. M. and J. P. Plateau (1994), Halting Degradation of Natural Resources: Is there a role for Rural Communities, Oxford University, Oxford.
2. Chopra, K. (1998), Valuation of Bio-diversity within Protected Areas: Alternative Approach and a case study, Institute of Economics Growth, Delhi.
3. Hadker, N. et. Al. (1997), Willing to Pay for Borivali National Park: Evidence from Contingent Valuation, Ecological Economics; Vol. 21.
4. Hoel, M. (1997), 'International Coordination of Environmental Policies' in new Dimensions in the Economic Theory of Environment, Carrao Cario and Domenico Siniscalco (Eds.) Cambridge University Press, Cambridge.
5. Larsen, B. and A. Shaw (1994), Global Tradable Carbon Permits, Participation Incentives, and Transfer, Oxford Economic Paper, Vol.46.
6. Markandya, A. and M. N. Murty (2000), Cleaning up the Ganges: Cost-Benefit Analysis of Ganga Action Plan, Oxford University Press, New Delhi.
7. Ostron. E. (1990), Governing the Commons: The Evolution of Institutions for Collective Actions, Cambridge University Press, Cambridge.



Paper No:- XIX Indian Economic Policy –II

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Infrastructural Development: Energy, Conventional and Non-Conventional energy development in India – Energy policy –Social infrastructural developments –Education and Health –Recent issues. Issues and policies in financing infrastructural development in India.	18 Hr. 45 Min.	25
2	Agriculture and Industrial Sector: Land reforms in India, Technological change in agriculture –Terms of Trade between industry and agriculture – Agricultural Marketing, Food security –Policies for sustainable agriculture – Agricultural Financing policy –Industrial policy, Public sector enterprises and their performance –problems of industrial sick units in India, Privatization and disinvestment of public sector units in India. Growth pattern of industrialization, small scale sector; productivity in industrial sector. Exit policy and labour market reforms and its issues –Approaches for employment generation in India.	18 Hr. 45 Min.	25
3	Public Finance, Money and banking: Analysis of price behaviour in India – Tax reforms in India –Recent trends -Financial sector reforms, interest rate policy, Recent Trends in the monetary policy of Reserve Bank of India –Recent trends in the capital market reforms in India.	18 Hr. 45 Min.	25
4	External Sector: Structure and direction of Foreign trade –Balance of Payments –Current scenario, Export –Import policy -Recent trends, Exchange rate policy –Recent Trends, Foreign Capital and MNCs in India: WTO and its impact over Indian Economy.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in Honour of Manmohan Singh), Oxford University Press, New Delhi.
2. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
3. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
4. Brahmananda, P.R. and V.R. Panchmukhi (eds.) (2001), Development Experience in the Indian Economy: Inter –State Perspectives, Bookwell, Delhi.
5. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
6. Dantwala, M.L. (1996), Dilemmas of Growth: The Indian Experience, Sage Publication, New Delhi.
7. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
8. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
9. Jain, A.K. (1986), Economic Planning in India, Ministry of Finance, New Delhi.



9. Jalan, B. (1992), *The Indian Economy –Problems and Prospects*, Viking, New Delhi.
10. Jalan, B. (1996), *India's Economic Policy –Preparing for the Twenty First Century*, Viking, New Delhi.
11. Joshi, V. and I.M.D. Little (1999), *India: Macro Economics and Political Economy, 1964 -1991*, Oxford University Press, New Delhi.
12. Parikh, K.S. (1999), *Indian Development Report -1999 -2000*, Oxford University Press, New Delhi.
13. Reserve Bank of India, *Report on Currency and Finance, (Annual)*.
14. Sanddesara, J.C. (1992), *Industrial Policy and Planning, 1947 – 1991: Tendencies, Interpretations and Issues*, Sage Publications, New Delhi.
15. Sen, R.K. and B. Chatterjee (2001), *Indian Economy: Agenda for 21st Century (Essays in Honour of Prof. P.R. Brahmananda)*, Deep & Deep Publications, New Delhi.



PAPER – XIX (OPTIONAL) – DISSERTATION

Total Marks : 100 Marks

Credits: 05

70 Marks for Evaluation of Dissertation.

30 Marks for Internal Examination.

100 Total Marks



Paper No:- XX Agricultural Economics –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Rural Credit: Rural finance –Role of capital and rural credit, organized and unorganized capital market, rural savings and capital formation. Characteristics and sources of rural credit –Institutional and non-institutional, Reorganization of rural credit –Cooperatives, Commercial banks, regional rural banks, Role of NABARD. Cooperative movement, Genesis and growth of cooperative sector, Agricultural co-operation in India, Problems and Prospects of Cooperative Institutions.	18 Hr. 45 Min.	25
2	Agricultural Pricing: Agricultural pricing - Marketing and state policy, Agricultural markets and marketing efficiency –Marketing functions and costs, Market structure and imperfections, regulated markets. Marketed and marketable surplus, behaviour of agricultural prices –Cobweb model, price and income stability, state policy with respect to agricultural and non-agricultural prices, Need for state intervention. Objectives of agricultural price policy – Instruments and evaluation, Food security in India and public distribution.	18 Hr. 45 Min.	25
3	Agricultural Growth in India: Recent trends in agricultural growth in India, inter-regional variations in growth of output and productivity, cropping pattern shifts Supply of inputs –Irrigation, power, seed and fertilizers, pricing of inputs and role of subsidies. Distribution of gains from technological change. Role of public investment and capital formation in Indian agriculture, strategy of agricultural development and technological progress. Sustainable agriculture –indigenous practices, Bio-technological practices and growth potential.	18 Hr. 45 Min.	25
4	Agriculture and External Sector: International trade in agricultural commodities, commodity agreements –Role of World Trade Organization. Issues in Liberalisation of domestic and International trade in agriculture – Nature and features of agribusiness, Role of MNCS. Globalisation of Indian economy and problems and prospects of Indian agriculture. Impact of World Trade Organisation on Indian agriculture.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Brahmananda, P.R. and V.R. Panchamukhi (Eds.) (1987). The Development Process of the Indian Economy, Himalaya Publishing House, Bombay.
2. Chada, G.K. and A.N. Sharma (1997). Growth, Employment and Poverty: Change and Continuity in Rural India, Vikas Publishing House, New Delhi.



3. Dantwala, M.L. (1996). Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
4. Dhawan, B.D. (1988). Irrigation in India's Agricultural Development, Sage Publications, New Delhi.
5. Government of India, Economic Survey (Annual). New Delhi.
6. Gulati and Kelly (1999). Trade Liberalisation and Indian Agriculture, Oxford Univ. Press, New Delhi.
7. Jodhar, N. (Eds.) (1996). Challenges to Indian Bankings, Macmillan, New Delhi.
8. Kahlon and Tyagi (1983). Agriculture Price Policy in India, Allied Publishers, New Delhi.
9. Raj, K.N. et al. (1988). Essays in the Commercialisation of Indian Agriculture, OUP, New Delhi.
10. Rao, C.H. Hanumantha (1975). Agricultural Growth, Rural Poverty and Environmental Degradation in India, Oxford University Press, New Delhi.
11. Reserve Bank of India, Report on Currency and Finance (Annual). Mumbai.
12. Rudra, A. (1982). Indian Agricultural Economics: Myths and Reality, Allied Publishers, New Delhi.
13. Saini, G.R. (1979). Farm Size, Resource Use Efficiency and Income Distribution, Allied Publishers, New Delhi.
14. Vaidyanathan, A. (1995). The Indian Economy: Crisis, Response and Prospects, Orient Longmans, N. Delhi.



Paper No:- XX Economics of Education- II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Qualitative and quantitative indicators of educational output wastage and repetition, input-output relationship, effect of teacher training, the influence of text book, cost –effectiveness analysis. Concept of equity, effect of educational investment on income distribution, effectiveness of measures to equalize education, equity implication of financing educational investment, equity and quality of education	18 Hr. 45 Min.	25
2	Higher Education System of India –Structure and current scenario, issues in quality, Financial Crisis in Universities, alternative means of generating resources, KNC notes on Indian higher education: universities, undergraduate colleges, regulation, financing, national universities, and access	18 Hr. 45 Min.	25
3	Private Higher education –Experiences of other countries and policy implications for India. Canadian higher education system, Pragmatic system for quality improvement. Efficiency and quality in Philippines` higher education. Globalization and higher education	18 Hr. 45 Min.	25
4	National Knowledge Commission: Objectives of setting the commission, recommendations: higher education- expansion, excellence, inclusion; science and technology, vocational education, e-governance.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. Agarwal, Pawan. (2006). Higher Education in India: The need for Change.
2. Altbach, Philip G. and Chitnis, S. (1993), Higher Education Reform in India: Experience and concepts related to its Development and Finance. International Institute of and Perspectives. London: Sage Publications.
3. Change in Eight Countries. Rexdale, Canada: John Wiley & Sons.
4. Geiger, Roger L. (1986), Private Sectors in Higher Education – Structure, Function and Educational Planning, Paris: UNESCO.
5. ICRIER Working Paper. Indian Council for Research on International Economic Relations. No. 180. Working Paper No. 108. September.
6. Kapur, Devesh and Mehta, Pratap Bhanu. (2004), Indian Higher Education Reform: From Half-Baked Socialism to Half-Baked Capitalism. Harvard University: CID
7. Kitaev, I.(1999), Private Education in Sub-Sahara Africa: Re-Examination of theories



Paper No:- XX Economics of Insurance –II (Optional)

Total Marks: 100 Marks
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Credits: 05

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Essential of Life and Health Insurance: Fundamentals of life and health insurance; Functions of life and health insurance; Mathematical basis of life insurance; plans of life insurance; legal aspect of life insurance, provisions of policies, selection and classification of risks; Basis of premium construction; valuation and distribution of surplus, individual health insurance, uses, Types of evolution; Principles of under writing of life and health insurance, Group insurance and superannuation (Pension) schemes; set up and management of insurance companies.	18 Hr. 45 Min.	25
2	Essentials of General Insurance: Definition of General Insurance, Types of general insurance; importance of general insurance; general insurance and economic development; concept of short-term risk; Fundamentals of the following concepts – Common Law, Equity, Proposal, Accident, Indemnity, Insurable interest, contribution, subrogation, representation; utmost good faith; material fact, physical hazard, moral hazard, policy endorsements conditions/warranties; selection of risks, inspection of risks; Rating and calculation of Premiums, Tariffs and non tariffs; Marketing of General Insurance, Technology Development and General Insurance.	18 Hr. 45 Min.	25
3	Regulation of Insurance: Regulation of Insurance, Purpose of government intervention in markets; Theories of regulation; Insurance regulation in India, Insurance Regulation and Development Authority (IRDA).	18 Hr. 45 Min.	25
4	Planning for Wealth accumulation and Retirement Needs: Wealth accumulation planning; Life cycle planning; Planning to accumulation; Objectives; purchase of insurance and accumulation planning; Investments –Tax advantaged and non-tax advantaged, Essentials of individual retirement planning, Analysis of retirement income needs; Retirement Planning strategies; Investing for Retirement, Pension Plans; Basic Principles of Pension Plans; Pension plans in India; Estate Planning; Process of Estate Planning; Estate Planning Tools; Life Insurance for Estate Liquidity.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I 10 Marks
 2. Internal Test-II 10 Marks
 3. Seminar & Assignment 10 Marks
- Total Marks: 30 Marks**



Reference Books:

1. Bhole, L.M. (1990), The Indian Financial System, Tata McGraw Hill, New Delhi.
2. Bickelhaupt, D.L. (1992), General Insurance, Irwin Inc., Burr Ridge, Ill.
3. Black, K. Jr. and H.D. Skipper Jr. (2000), Life and Health Insurance, Prentice Hall, Upper Saddle river, New Jersey.
4. Finsinger, J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation: A Cross National Study, Macmillan, London.
5. Skipper, Jr., H.D. (Ed.) (1998), International Risk and Insurance: An Environmental Management Approach, Irwin McGraw Hill, Boston.
6. Tacchino, K.B. and D. A. Little (1993), Planning for Retirement Needs, The American College, Bryn Mawr, Pa.



Paper No:- XX Demography –II: Indian Problems & Policies (Optional)

Total Marks: 100 Marks
Marks: Semester End Examination: 70 Marks
Continuous Internal Evaluation: 30 Marks

Credits: 05

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Migration and Urbanization: Concept and types -Temporary, internal and international; International migration –its effects on population growth and pattern; Factors affecting migration; Theories of migration related to internal migration; Urbanization –Growth and Distribution of Rural – Urban population in developed and developing countries.	18 Hr. 45 Min.	25
2	Demographic Data Base in India: Study of Census in India – Methodology and Characteristics of Census; Nature of information collected in1971, 1981, 1991 and 2001 Census in India. National Family Health Survey 1 and 2 and Rapid Household Survey, Changing characteristics of population in India. Population growth rates, trends and regional variations in sex ratio; Age structure of population, fetal, infant and child mortality rates, Maternal mortality rate, Life Expectancy, Appraisal of Kerala Model: Pattern of Migration and Urbanization in India.	18 Hr. 45 Min.	25
3	Population and Development with Reference to India: Population, Economy and Environment linkages –Population, Health, Nutrition, Productivity, nexus, Population and Human Development issues, culture and fertility, Education and fertility, Demography and household economic behaviour.	18 Hr. 45 Min.	25
4	Population Policy in India: Evaluation of population policy in India – The Shift in policy from population control to family welfare, to women empowerment; Family planning strategies and their outcomes; Reproductive health, maternal nutrition and child health policies, Population and strategies for human development of different social groups; social impact of new reproductive technologies and their regulation. The new population policy, Tasks before the National Population Commission.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

1. Internal Test-I 10 Marks
 2. Internal Test-II 10 Marks
 3. Seminar & Assignment 10 Marks
- Total Marks: 30 Marks**



Reference Books:

1. Agrawal S.N. (1972) India's Population Problem, Tata McGraw Hill Co., Mumbai.
2. Bogue., D.J. (1971), Principles of Demography, John Wiley, New York.
3. Bose, A. (1996), India's Basic Demographic Statistics B.R. Publishing Corporation, New Delhi.
4. Chenery H, and T.N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1&2 Elsevier.
5. Choubey, P.K. (2000), Population Policy in India, Kanishka Publications.
6. Coale A.J. and E.M. Hoover (1958), Population Growth and Economic development in Low Income Countries: A Case Study of India's Prospects, Princeton University Press, Princeton.
7. Gulati, S.C. (1988), Fertility in India: An Econometric Study of Metropolis, Sage, New Delhi.
8. Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press.
9. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
10. Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
11. Sryrock, H. et. Al. (1973), The Methods and Materials of Demography, U.S. Department of Commerce, Washington D.C.
12. United Nations (1973), The Determinants and Consequences of Population Trends, Vol.1, UNO Publication, New York



Paper No:- XX Economics of Infrastructure –II (Optional)

Total Marks:	100 Marks	Credits: 05
Marks: Semester End Examination:	70 Marks	
Continuous Internal Evaluation:	30 Marks	

Unit	Detailed Syllabus	Teaching Hours	Marks / Weight
1	Electricity and Water Resources: Developmental Problems of Thermal, Hydel and Nuclear power plants, Financing of water utilities, Public policy for water resources development problems of urban and rural water supply, Pricing of water, gas and electricity.	18 Hr. 45 Min.	25
2	Transport Growth in India: Problem of road development in India, pattern of road development and its financing in India, Development of Railways, Ticket and Freight charges determination. Five year plans – and Growth of Railways. Airport development and privatization, port development and shipping growth in India.	18 Hr. 45 Min.	25
3	Social Infrastructure: Education & Economic Growth –Approaches of Educational Planning – Return and Manpower Approaches. Human Resources and Human Capital Development. Health Dimension and development. Economic Dimensions of Health care –Financing of Health care –Institutional issues in Health care Delivery.	18 Hr. 45 Min.	25
4	Economic Policy for Infrastructure Growth: Rakesh Mohan Committee report on Infrastructure development in India. BOOT –Public Private Partnership in infrastructure growth in India –Five year plan & infrastructure investment growth –NRI & FDI in infrastructure growth in India.	18 Hr. 45 Min.	25

Break up of Continuous Internal Evaluation:

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|-------------------------|-----------------|
| 1. Internal Test-I | 10 Marks |
| 2. Internal Test-II | 10 Marks |
| 3. Seminar & Assignment | <u>10 Marks</u> |
| Total Marks: | 30 Marks |

Reference Books:

1. A White paper on Infrastructure, Planning Commission, New Delhi, January, 2005.
2. Baru, R.U. (1998), Private Health Care in India
3. Berman, P. and Khan, M.E., (1993), Paying for India's Health Care, Sage Publications, New Delhi.
4. Garfick P.J. and W. Lovjoy (1964), Public Utility Economics, Prentice-Hall, Englewood Cliff.
5. Govt. of India (2006, 07, 08, 09) Economic Survey, Ministry of Finance, New Delhi.
6. Gujarat Vision 2010, Gujarat Infrastructure Nigam Limited, Gandhinagar.
7. India 2020, Planning Commission, New York.
8. McMohan, W.W. (1999), Education & Development: Measuring Social Benefits, Oxford University Press, Oxford.
9. Padmanabhan C.B. (1984), Financial Management in Education, Select Book, New Delhi.
10. Parikh K.S. (1999), Indian Development Report-1999-2000, Oxford, New Delhi.
11. Tilak, J.G.B. (1994), Education for Development in Asia, Sage Publication, New Delhi.