

**M. A. Economics**

**Syllabus for 2011-2012**

**Course Structure**

**M.A. Economics (Semester I)**

		<b>Total Marks</b>	<b>External</b>	<b>Internal</b>	<b>Time</b>
Paper-101	Micro Economic Analysis-I	100	80	20	3 Hrs.
Paper-102	Macro Economic Analysis-I	100	80	20	3 Hrs.
Paper-103	Quantitative Methods-I	100	80	20	3 Hrs.
Paper-104	Public Economics-I	100	80	20	3 Hrs.
Paper-105					
Option (i)	Financial Economics-I	100	80	20	3 Hrs.
Option (ii)	Demography-I	100	80	20	3 Hrs.
Option (iii)	Economics of Infrastructure-I	100	80	20	3 Hrs.
Option (iv)	Economics of Insurance-I	100	80	20	3 Hrs.
Option (v)	Economics of Labour-I	100	80	20	3 Hrs.
Option (vi)	Computer Applications in Economic Analysis-I	100	80	20	3 Hrs.
		(60 Theory + 20 Practical)			
Option (vii)	Mathematical Economics-I	100	80	20	3 Hrs.
Option (viii)	Economics of Regionalism-I	100	80	20	3 Hrs.

**Note: Students are required to select any one option from Paper-105. The students will select the same optional stream in Semester II.**

M.A. 1st Semester  
Paper-101 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

### **MICRO ECONOMIC ANALYSIS-I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### ***Preamble***

This paper analyses the economic behaviour of individuals, firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumer behaviour and demand analysis, production theory and behaviour of costs, the theory of traditional markets.

#### ***Unit-1***

##### **Demand Analysis (a)**

Theories of Demand: Utility and indifference curve approaches; Income compensated demand curve; Income and Substitute effects; Slutsky theorem; Revealed preference theory; Consumer surplus.

#### ***Unit -2***

##### **Demand Analysis (b)**

Elasticity (Price, cross, income) of demand; Elasticity of supply.  
Revision of Demand theory by Hicks; Indirect utility functions (duality theory); Demand systems – Linear expenditure system; Inter-temporal consumption; Cobweb theorem.

#### ***Unit-3***

##### **Theory of Production and Costs**

Production function - Short term and long term period; Law of variable proportions; Returns to scale; Economies of scale; Iso-quants; Least-cost combination; Multi-product firm; Cobb-Douglas, CES production functions and their properties; Euler's theorem; Technical Progress and production function; Theories of costs – traditional and modern; Derivation of cost function from production function; Derived demand for factors (CD function only).

#### ***Unit-4***

##### **Price and Output Determination (a)**

Marginal analysis as an approach to price and output determination; Perfect competition – Short and long term equilibrium of the firm and industry.

Monopoly – short run and long run equilibrium; Price discrimination; Welfare aspects.

Monopolistic competition – General and Chamberlin's approaches to equilibrium of the firm and the group with product differentiation and selling costs; Criticism of monopolistic competition.

### ***Unit-5***

Oligopoly – non-collusive models: Cournot, Bertrand, Edgeworth, Chamberlin, Kinked-demand curve and Stackleberg solution. Collusive models: Cartels and mergers; Price leadership model. Price and output determination under monopsony and bilateral monopoly..

#### ***Basic Reading List***

- Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
- Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
- Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
- Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.

#### ***Additional Reading List***

- Baumol, W.J. (1982), Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
- Green H.A.G. (1971), Consumer Theory, Penguin, Harmondsworth.
- Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
- Da Costa, G. C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
- Healthfields and Wibe (1987), An Introduction to Cost and Production Functions, Macmillan, London.
- Archibald, G.C. (Ed.) (1971), Theory of the Firm, Penguin, Harmondsworth.
- Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, London.
- Graff, J. De. V. (1957), Theoretical Welfare Economics, Cambridge University Press, Cambridge.
- Quirk, J. and R. Saposnik (1968), Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.
- Borch, K.H. (1968), The Economics of Uncertainty, Princeton University Press, Princeton.
- Diamond and Rothschild (Eds.) (1978), Uncertainty in Economics, Academic Press New York.

M.A. 1st Semester  
Paper-102 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## MACRO ECONOMIC ANALYSIS-I

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### **Preamble**

Macroeconomics analyses and establishes the functional relationships between large aggregates. The aggregate analysis has assumed such a great significance in recent times that a prior understanding of macroeconomics theoretical structure is considered essential for the proper comprehension of the different issues and policies. Macroeconomics now is not only a scientific method of analysis; but also a body of empirical economics knowledge. The paper entitled “Macro Economics Analysis” equips the students at the postgraduate level to understand systematic facts and latest theoretical developments for empirical analysis.

### **Unit-1**

#### **National Income and Accounts**

Circular Flow of Income in two, three and four-sector economy; different forms of national income accounting – social accounting, input-output accounting, flow of funds accounting.

#### **Consumption function**

Keynes’ Psychological law of consumption – implications of the law; Empirical evidence on consumption function; Reconciliation of short run and long run consumption function – absolute income relative, permanent income and life cycle hypotheses.

### **Unit-2**

#### **Investment Theories**

Investment Function, The Marginal Efficiency of Capital Approach, Accelerator- Simple & Flexible, Profits Theory, Financial Theory, The Neoclassical Model.

### **Unit-3**

#### **Demand for Money**

Classical and Keynesian approach (The Regressive Expectations model); Post Keynesian approaches to demand for money-Tobin (Portfolio balance approach), Baumol (Inventory theoretic approaches) and Friedman (Restatement of quantity theory of money).

#### **Supply of Money**

Measures of money supply; Instruments of Monetary control. Mechanism of Monetary Expansion and contraction (deterministic and behavioural models); Determinants of money supply; Money supply and Rate of Interest. Government Financing and the money supply- balanced and unbalanced budget.

## Unit-5

### Neo-classical and Keynesian Synthesis

Classical, neo – classical and Keynesian views on interest; The Basic IS-LM model, extension of IS-LM model with government sector and variable price level.

#### ***Basic Reading List***

- Ackley, G. (1978), *Macroeconomics: Theory and Policy*, Macmillan, New York.
- Blackhouse, R. and A. Salansi (Eds.) (2000), *Macroeconomics and the Real World* (2 Vols.), Oxford University Press, London.
- Branson, W.A. (1989), *Macroeconomic Theory and Policy*, (3rd Edition), Harper and Row, New York.
- Dornbusch, R. and F. Stanley (1999), *Macroeconomics*, Irwin McGraw Hill, Inc. New York, 7th Edition.
- Heijdra, B.J. and V.P. Fredericck (2001), *Foundations of Modern Macroeconomics*, Oxford University Press, New Delhi.
- Jha, R. (1991), *Contemporary Macroeconomic Theory and Policy*, Wiley Eastern Ltd., New Delhi.
- Romer, D.L. (1996), *Advanced Macroeconomics*, McGraw Hill Company Ltd., New York.
- Shapiro, E. (1996), *Macroeconomic Analysis*, Galgotia Publications, New Delhi.

#### ***Additional Reading List***

- Mankiw, N.G. and D. Romer (Eds.) (1991), *New Keynesian Economics*, (2Vols.), MIT Press, Cambridge.
- Mankiw, N. Gregory (2000), *Macroeconomics* Macmillan Worth Publishers 4th Edition
- Frisch, H. (1983), *Theories of Inflation*, Cambridge University Press, Cambridge.
- Sheffirin, S.M. (1996), *Rational Expectations*, Cambridge University Press, Cambridge.
- Lucas, R. (1981), *Studies in Business Cycle Theory*, MIT Press, Cambridge, Massachusetts.
- Taylor, L. (1983), *Structuralist Macroeconomics*, Basic Books, New Longman.
- Turnovsky, S.J. (1977), *Macroeconomic Analysis and Stabilization Policy*, Cambridge University Press, Cambridge.
- Ruggles R. and N. Ruggles (1956), *National Income Accounts and Income Analysis* Mc Graw Hill, Newyork.
- Veniers, Y.P. and F.D.Sebold, (1977) *Macroeconomics; Models and Policy* John Wiley and Inc, USA.
- Dernburg, T.F.and D. M.Mc Dougall, *Macroeconomics*, McGraw Hill International Book Company.

M.A. 1st Semester  
Paper-103 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## QUANTITATIVE METHODS-I

Note: Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### Unit-1

Concept of function and types of functions; Multivariable functions; Interpretation of revenue, cost, demand, supply functions; Types of production functions; Limit, Continuity and derivatives; Rules of differentiation; Elasticity and their types; Rules of Partial differentiation and interpretation of partial derivatives; Rules of differentiation; Elasticity and their types; Rules of partial differentiation and Interpretation of partial derivatives.

### Unit 2

Problem of maxima and minima in single and multivariable function; Unconstrained and constrained optimization in simple economic problems; Concept and simple rules of integration; Application to consumer's and producer's surplus.

### Unit 3

Concept of Matrix and Determinant – their types, simple operations on matrices, matrix inversion and rank of matrix; Solution of simultaneous equations through Cramer's rule and Matrix inverse method. Introduction to input-output analysis.

### Unit 4

Difference equations – Solution of first order and second order difference equations; Applications in trade cycle models; Growth models and lagged market equilibrium models.

### Unit 5

Linear programming – Basic concept, Nature of feasible, basic and optimal solution; Solution of linear programming problem through graphical and simplex method; Concept of a game; Two person Zero sum game; value of a game; strategies- simple and mixed; Dominance rule; Solution of a game by linear programming.

### ***Basic Reading List***

- Mathematics for Economics by Michael Hoy et al, PHI, New Delhi, 2004.
- Quantitative Methods for Business and Economics by Adil H. Mouhammed, PHI, New Delhi, 2003.

- Quantitative Methods by D.R. Aggarwal
- Basic Mathematics for Economists by R.C. Joshi, New Academic Publishing
- Leontief, W. (1936) Quantitative input-output relations in the economic systems of the United States. Review of Economics and Statistics, Vol 18, pp.105-125.
- Miller, R.E. and P.D. Blair (1985) Input-Output Analysis: Foundations and Extensions. Prentice-Hall, Englewood Cliffs, New Jersey.
- Proops, J., Faber, M. and Wagenhals, G. (1993) Reducing CO2 Emissions: A Comparative Input-Output Study for Germany and the UK, Springer-Verlag, Heidelberg.
- Aggarwal, H.S. : Modren Micro -Economics, Konark, New Delhi, 1998.
- Taro Yamane, Mathematics for Economists, PHI, 1973.
- Quantitative Techniques in Management by N.D. Vohra, TMH.
- Operations Research by R. Wagnor
- Operations Research by Hamdy A. Taha
- Allen R.G.D. (1974), Mathematical Analysis for Economists, Macmillan Press, London.
- Black, J. and J.F. Bradley (1973), Essential Mathematics for Economists, John Wiley and Sons.
- Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics (3rd Edition), McGraw Hill, New Delhi.
- Croxton, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
- Gupta, S.C. and V.K. Kapoor (1983), Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
- Marketing Research by Kinnear and Taylor, McGrawhill.
- Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London.

M.A. 1st Semester  
Paper-104 (Compulsory)

Time: 3 Hrs.  
Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **PUBLIC ECONOMICS-I**

Note: Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### **UNIT – I**

Economic Rationale of Mixed Economy; Role of Government in a State; Efficiency, markets and Governments; Market Failure and the rationale for Government Intervention; Natural Monopolies and Market Failure; Non-Existence of Futures Markets and Market Failure; Asymmetric Information and market Failure; The Problem of Externalities and their Internalisation

### **UNIT – II**

Concept, Characteristics and Types of Public Goods; Efficient Provision of Public Goods; Pure Theories of Public Goods – Bowen Model, Lindahl Model, Pigou Model, Samuelson Model; Empirical Theories of public goods – Wagner Hypothesis, Wiseman-Peacock Hypothesis; Preference revelation Mechanisms for Public Goods – Thompson Mechanism, Clarke Mechanism, Lindahl- Wicksell Mechanism; Theory of Club Goods

### **UNIT – III**

Efficiency and Equity Principles of Taxation; Incentive Effects of Taxation on Labour Supply, Supply of Savings and Risk Taking; Taxation and Investment; Other Distorting Effects of the Tax System; Tax Incidence – Partial and General equilibrium Analysis; Mieszkowski Analysis of Tax Incidence; Keynesian Short Run Model of Tax Incidence; Dynamic Tax Incidence

### **UNIT – IV**

Normative Analysis of Taxation – Income v/s Excise Tax; Optimal Tax Mix – Optimal Commodity Tax, Optimal User Fees, Optimal Income Tax; Excess Burden of Tax and its Measurement; Equity Considerations in the Choice of a Tax System; Corporation tax and its Effects on Corporate Decisions

### **UNIT – V**

Indian Taxation System; Fiscal Trends in India; Fiscal Reforms in India; Fiscal Imbalance in India; Budgetary Subsidies in India; Value Added Tax in India; Issues in Fiscal Transfers in India

### **Reading List**

#### **Basic Reading List**

1. American Economic Association, Readings in the Economics of Taxation, edited by R. A. Musgrave and C. Shoup (Homewood: Richard D. Irwin, 1959).
2. Anthony Downs, An Economic Theory of Democracy (New York: Harper, 1957).
3. Duncan Black and R. A. Newing, Committee Decisions with Complementary Valuation (London: William Hodge, 1951).
4. Duncan Black, The Theory of Committees and Elections (Cambridge: Cambridge University Press, 1958).
5. Howard Bowen, Toward Social Economy (New York: Rinehart, 1948), pt. IV.
6. International Economic Association, Classics in the Theory of Public Finance, edited by R. A. Musgrave and A. T. Peacock (London: Macmillan, 1958).
7. J. de V. Graaf, Theoretical Welfare Economics (Cambridge: Cambridge University Press, 1957).



8. James M. Buchanan and Gordon Tullock, *The Calculus of Consent* (Ann Arbor: University of Michigan Press, 1962).
9. James M. Buchanan, *Fiscal Theory and Political Economy* (Chapel Hill: University of North Carolina Press, 1960).
10. Kenneth J. Arrow, *Social Choice and Individual Values* (New York: John Wiley and Sons, 1951; Revised edition, 1963).
11. Mancur Olson, *The Logic of Collective Action* (Cambridge: Harvard University Press, 1965).
12. R. A. Musgrave, *The Theory of Public Finance* (New York: McGraw-Hill, 1959).
13. William J. Baumol, *Welfare Economics and the Theory of the State* (Cambridge: Harvard University Press, 1952; Revised second edition, 1965).

### Advanced Reading List

1. Atkinson, A. and J. Stiglitz, *Lectures on Public Economics*, 16-1.
2. Atkinson, A. B. and N. Stern, "Pigou, Taxation, and Public Goods," *Rev. Econ. Stud.*, January 1974.
3. Baumol, W., "On Taxation and the Control of Externalities," *Amer. Econ. Rev.*, June 1972.
4. Berglas, E. and D. Pines, "Clubs, Local Public Goods, and Transportation Models: A Synthesis," *J. Public Econ.*, April 1981 (Sections 1-3).
5. Bergstrom, T., "When Does Majority Rule Supply Public Goods Efficiently?" *Scand. J. Econ.*, No. 2, 1979.
6. Bergstrom, T., et. al., "Micro-Based Estimates of Demand Functions for Local School Expenditures," *Econometrica*, September 1982.
7. Bergstrom, T., L. Blume, and H. Varian, "On the Private Provision of Public Goods," *J. Public Econ.*, January 1986.
8. Borchherding, T. and R. Deacon, "The Demand for the Services of Non-Federal Governments," *Amer. Econ. Rev.*, December 1972.
9. Bradford, D. and Oates, W., "Toward a Predictive Theory of Intergovernmental Grants," *Amer. Econ. Rev.*, May 1971.
10. Brito, D. and W. Oakland, "On the Monopolistic Provision of Excludable Public Goods," *Amer. Econ. Rev.*, March 1981.
11. Brueckner, J., "Congested Public Goods: The Case of Fire Protection," *J. Public Econ.*, February 1981.
12. Brueckner, J., "Equilibrium in a System of Communities with Local Public Goods: A Diagrammatic Exposition," *Economics Letters*, 1979.
13. Brueckner, J., "Property Value Maximization and Public Sector Efficiency," *J. Urban Econ.*, July 1983.
14. Brueckner, J., "Tastes, Skills, and Local Public Goods," *J. Urban Econ.*, March 1994
15. Coase, R., "The Problem of Social Cost," *J. Law Econ.*, October 1960.
16. Cornes, R. and T. Sandler, *The Theory of Externalities, Public Goods, and Club Goods*, pp. 69-80.
17. Feldman, A., *Welfare Economics and Social Choice Theory*, Ch. 6 (Sections 1-3)
18. Groves, T. and M. Loeb, "Incentives and Public Inputs," *J. Public Econ.*, August 1975.
19. Hamilton, B., "The Flypaper Effect and Other Anomalies," *J. Public Econ.*, December 1983.
20. Helsley, R. and W. Strange, "Exclusion and the Theory of Clubs," *Canadian J. Econ.*, November 1991.
21. Lee, K. "Bureaucrats and Tax Limitation," *J. Urban Econ.*, July 1993.
22. McGuire, T., "Budget-Maximizing Governmental Agencies: An Empirical Test," *Public Choice*, 1981.
23. Moene, K., "Types of Bureaucratic Interaction," *J. Public Econ.*, 1986.
24. Niskanen, W., "The Peculiar Economics of Bureaucracy," *Amer. Econ. Rev.*, May 1968.
25. Peltzman, S., "The Effect of Government Subsidies in Kind on Private Expenditures: The Case of Higher Education," *J. Polit. Economy*, January/February 1973.
26. Romer, T. and H. Rosenthal, "The Elusive Median Voter," *J. Public Econ.*, October 1979.
27. Samuelson, P., "A Diagrammatic Exposition of a Theory of Public Expenditure," *Rev. Econ. Statist.*, November 1955.
28. Samuelson, P., "The Pure Theory of Expenditure and Taxation," in *Public Economics*, Margolis and Guiton, Eds.
29. Sandmo, A., "Public Goods and the Technology of Consumption," *Rev. Econ. Stud.*, October 1973.
30. Scotchmer, S. and M. Wooders, "Competitive Equilibrium and the Core in Club Economies with Anonymous Crowding," *J. Public Econ.*, November 1987.
31. Silva, E. and C. Kahn, "Exclusion and Moral Hazard: The Case of Identical Demand," *J. Public Econ.*, September 1993.

32. Tiebout, C., "A Pure Theory of Local Expenditures," reprinted in Readings in Urban Economics, Edel and Rothenberg, Eds.
33. Turnbull, G., "The Overspending and Flypaper Effects of Fiscal Illusion: Theory and Empirical Evidence", Journal of Urban Economics, July 1998.
34. Wheaton, W., "Land Capitalization, Tiebout Mobility, and the Role of Zoning Regulations," J. Urban Econ., September 1993.
35. White, M. and D. Wittman, "Pollution Taxes and Optimal Spatial Location," *Economica*, May 1982.
36. Wildasin, D., "On Public Good Provision with Distortionary Taxation," *Economic Inquiry*, April 1984.
37. Wilson, J., "Theories of Tax Competition," *National Tax Journal*, June 1999.
38. Zodrow, G. and P. Mieszkowski, "Pigou, Tiebout, Property Taxation, and the Underprovision of Local Public Goods," *J. Urban Econ.*, May 1986.

M.A. 1st Semester  
Paper-105 (Option-I)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **FINANCIAL ECONOMICS-I**

Note: Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### **Unit –I**

Nature and Scope of Financial Economics; Goals of Finance; Economics of capital Budgeting- Investment Criteria, Estimation of project Cash Flows, Risk Analysis I Capital Budgeting, Computation of Cost of Capital, Capital Budgeting Under Constraints.

### **Unit –II**

Economics of Capital Structure and Firm Value- Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure – EBIT & EPS Analysis, ROI & ROE Analysis, Ratio Analysis, Cash Flow Analysis

### **Unit – III**

Economics of Dividends-Walter Model, Gordon Model, Modigliani and Miller Model; Key Dimensions of Dividend Policy; Economics of Working Capital-Estimation of Working Capital, Financing of Working Capital.

### **Unit – IV**

Economics of Cash- Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Miller and Orr Model; Economics of Receivables; Discriminate Analysis and Customer Classification; Economics of Inventory – EOQ Mode, Pricing of Raw materials, Monitoring and Control of Inventories.

### **Unit – V**

Cost-Volume-Profit Analysis; Operating and Financial Leverage; Theories of Corporate Valuation – Adjusted Book Value Theory, Direct Comparison Theory, Discounted cash flow Theory; Value Creation Approaches – Marakon Approach, Alcar Approach. McKinsey Approach, Economic value Added (EVA) Approach; Economics of Mergers and Acquisitions.

### **Reading List:**

1. A. Auerbach, “Corporate Takeovers: Causes and Consequences”. University of Chicago Press, 1988.
2. A.Ch. Shapiro, “Modern Corporate Finance”. Macmillan Publishing Co., New York, 1991.
3. Brealey, Myers and Allen, “Principles of Corporate Finance”, McGraw Hill, Inc., New York, 8<sup>th</sup> Edition.

4. D.R. Mehta, "Working Capital Management", Prentice Hall Inc., Englewood Cliffs, N.J., 1974
5. Deryl Nortcott, "Capital Investment Decision-Making", Thomson Learning, 1992, ISBN10:1861524587
6. E.I. Altman and M.G. Subrahmanyam (ed.), "Recent advanced in corporate Finance", Rihard D. Irwin, Inc., Homewood, Ill., 1985
7. F.J.Weston, "The Scope and Methodology of Finance" Prentice Hall, Englewood Cliffs, N.J. 1966
8. G. Donaldson, "Corporate Debt Capacity", Division of Research, Graduate school of Business administration, Harvard University Press, Boston, 1961
9. H. Beirman, Jr. and S. Smidt, "The Capital Budgeting Decision.", The Macmillan Company, New York, 1988.
10. J. Harold Mulherin, "Mergers and Corporate Governance", Edward Elgar Publishing, 2004. ISBN10:1843764210
11. J.A. Brittain, "Corporate Dividend Policy", Brookings Institution, Washington D.C., 1996
12. J.C. Van Horne, "Financial Management and Policy", brookings Institution, Washington D.C., 1966
13. Jason Draho, "The IPO Decision: Why and How Compainies Go Public", Edward Elgar Publishing, 2004, ISBN10: 1843766132
14. Jay R. Ritter (Ed.), "Recent Developments in Corporate Finance", Edward Elgar, 2005, ISBN10: 184376797X
15. Jean Tirole, "The Theory of Corporate Finance", Princeton University Press, 2006, ISBN10:0691125562
16. Joel M. Stern, "revolution in Corporate Finance", Blackwell Publishing, 1997, ISBN1577180445
17. John D. Martin, J. William Petty, "Value Based Management: Corporate Response to the Shareholder Revolution", Oxford University Press Inc, USA, 2001, ISBN10: 0875848001
18. Jonathan Barron Baskin, "A History of Corporate Finance", Cambridge University Press, 1999, ISBN10: 0521655366
19. Prasana Chandra, "Financial Management", Tata McGraw-Hill Publishing Company Limited, New Delhi.

M.A. 1st Semester  
Paper-105 (Option-II)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## DEMOGRAPHY-I

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### *Preamble*

The main objective of this paper is to make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country. The paper also enlightens the student on the quantitative and the qualitative aspects and characteristics of the population through various demographic techniques. In recent times, gender characteristics of the population have acquired importance and these have also been included in the framework of study. Migration and urbanization are the characteristics of structural change taking place in a society. Their study is essential to understand the dynamics of this change. The paper exposes the students to sources of population and related characteristics as also to the rationale, need and evolution of population policy.

### *Unit-1*

#### **Population and Development**

Meaning and scope of demography; Components of population growth and their inter-dependence; Measures of population change; Structure, distribution and sources of population data.

### *Unit-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.

### *Unit-3*

#### **Fertility, Nuptiality and Mortality**

Importance of study of fertility – Total fertility rate, 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; Trends in age at marriage.

### *Unit-4*

## **Urbanization and Demographic Data Base in India**

Urbanization – Growth and distribution of rural–urban population in developed and developing countries. Study of census in India – Methodology and characteristics of census; Nature of information collected in 1971, 1981, 1991, 2001 census in India.

### *Unit 5*

## **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.

### ***Basic Reading List***

- Agarwala S.N. (1972), India's Population Problem, Tata McGraw-Hill Co., Bombay.
- Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
- Bogue, D.J. (1971), Principles of Demography, John Wiley, New York.
- Chenery H. and T.N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam.
- Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
- Coale, A.J. and E.M. Hoover (1958), Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospectus, Princeton University Press, Princeton.
- Gulati, S.C. (1988), Fertility in India: An Econometric Study of a Metropolis, Sage, New Delhi.

### ***Additional Reading List***

- Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press.
- Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
- Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
- Stryock, H. et. al. (1973), The Methods and Materials of Demography, US Department of Commerce, Washington, D.C.
- United Nations (1973), The Determinants and Consequences of Population Trends, Vol.1 UNO Publications, New York.
- Chiang, C.L. (1974), Life Tables and Mortality Analysis, W.H.O., Geneva.
- Novell, C. (1988), Methods and Models in Demography, Bellhaven Press, London.
- Agnihotri, S.B. (2000), Sex ration in Indian Population: A Fresh Exploration, Sage New Delhi.
- Amsden, A.H. (Ed.) (1980), The Economics of Women and Work, Penguin, Harmondsworth.
- Baud, I.S.A. (1992), Form of Production and Women's Labour, Gender Aspects of Industrialization in India and Mexico, Sage, New Delhi.
- Boserup, E. (1970), Women's Role in Economic Development, George Allen and Unwin, London.
- Jhabwala, R. and R.K. Subramanya (2000) (Eds.), The Unorganized Sector: Work Security and Social Protection, Sage, New Delhi.
- King M. and M.A. Hill (Eds.) (1993), Women's Education in Developing Countries: Barriers, Benefits and Politics, John Hopkins, Baltimore.
- Krshnaji M., R.M. Sudarshan and A. Shariff (1999), Gender Population and Development, Oxford University Press, New Delhi.

- Lewis (Ed.) (1989), Strengthening the Poor: What Have We Learnt, OECD, Paris.
- Sudarshan and A. Shariff (1999), Gender Population and Development, Oxford University Press, New Delhi.
- Gupta, J. A. (2000), New Reproductive Technologies, Women's Health and Autonomy, Indo Dutch Studies on Development Alternatives, Sage, New Delhi.
- Mishra S. (2000), Voluntary Action in Health and Population: The Dynamics of Social Transition, Sage, New Delhi.
- Mitra, A. (1979), Implications of Declining Sex Ratio in India's Population, Allied, New Delhi.
- Seth M. (2000), Women and Development: The Indian Experience, Sage, New Delhi.

M.A. 1st Semester  
Paper- 105 (Option-III)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80
Internal	: 20

### **ECONOMICS OF INFRASTRUCTURE-I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### ***Preamble***

The important role infrastructure plays in a country's development need not be reiterated. In case of developing countries, lack of adequate infrastructure has been held as a major obstacle to growth. Of the various categories of infrastructure, the category of social overhead capital has gained particular prominence. The contents of the paper 'Economics of Infrastructure' exposes the student wholly to issues involved in developing countries like India.

#### ***Unit-1***

Infrastructure and economic development – Infrastructure as a public good; Social and physical infrastructure; Special characteristics of utilities. The peak-load, Off-Load Problem, Dual Principle Controversy.

#### ***Unit-2***

The structure of Transport Costs and Location of Economic Activities. Demand for Transport. Models of Freight and Passenger Demand. Model Choice; Cost Functions in the Transport Sector. Principle of Pricing. Special Problems of Individuals Modes of Transport.

#### ***Unit-3***

Primacy of Energy in the Process of Economic Development. Factors Determining Demand for Energy; Effects of Energy Shortages. Energy Conservation. Renewable and Non-conventional Sources of Energy. The search for an Optimal Energy Policy in the Indian Context.

#### ***Unit-4***

Organization and Financing of Supply of Social Services, Private vs. Public Sector Financing; Recent debate about the fixation of prices of social services.

#### ***Unit-5***

Concept, scope and relevance of Human Resource Development. Education and Economic Growth. Approaches to Educational Planning. Social Demand. Rate of Return and Manpower Balance Approaches. The case for Universal, Free, Primary Education; Structure of higher education and problems of its financing in India; The issues in education policy

#### ***Basic Reading List***

- Crew, M.A. P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.
- Indian Council of Social Sciences Research (ICSSR)(1976), Economics of Infrastructure, Vol. VI, New Delhi.
- National Council of Applied Economic Research (NCAER) (1996), India Infrastructure Report: Policy Implications for Growth and Welfare, NCAER, New Delhi.
- Parikh, K.S. (Ed.) (1997), India Development Report 1997, Oxford, New Delhi.
- Parikh, K.S. (Ed.) (1999), India Development Report – 1999-2000, Oxford, New Delhi.
- Turvey. R. (Ed.) (1968), Public Enterprises, Penguin, Harmondwoth.

#### ***Additional Reading List***

- Goyal, S.K. (Ed.) (1995), Public Enterprises, Indian Institute of Public Administration, New Delhi.
- Panchamukh, P.R. (1980), Economics of Health: A Trend Report in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied, Delhi.
- Tilak, J.B.G. (1994), Education for Development in Asia, Sage Publications, New Delhi.



Paper- 105 (Option-IV)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

### **ECONOMICS OF INSURANCE-I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### ***Preamble***

The vital role of insurance in the task of risk-bearing and risk-elimination in the economic affairs has not been appreciated adequately in our country. Given that the element of risk or uncertainty is a universal and fundamental phenomenon in our economic life, the importance of insurance as a means of reducing uncertainty and risk in regard personal and business activities cannot be overemphasized. The role of insurance sector in mobilizing a country's saving for channeling them into capital formation and thus contribute to a country's economic development is also documented. There is a wide spread recognition that insurance, particularly life insurance, is a prominent segment of applied economics. Insurance industry is an important constituent of financial services industry in India and is a major investment institution and prominent player in the capital market. However, in our country, study of the subject of insurance has largely remained neglected.

With the opening of the insurance for private Indians and foreign players, the interest in the subject has been kindled. The course on Insurance Economics attempts to give a fairly comprehensive view of the subject to the postgraduate students in Economics and pave the way for possible future expansion of the teaching of an important branch of economics.

#### ***Unit-1***

Economic Security; Human quest for economic security through time; Exposure to losses; Role and 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.

#### ***Unit-2***

Fundamentals of life & health insurance; Functions of life & health insurance; Mathematical basis of life insurance; Plans of life insurance; Legal aspects of life insurance; Provisions of policies; Individual health insurance; Uses and types of evaluation; Principles of underwriting of life & health insurance; Group insurance and superannuation (pension) schemes.

#### ***Unit-3***

Fundamentals of uncertainty & risk; Pure risk & speculative risk; Expected utility and decision-making under uncertainty; Expected utility & demand for the insurance; Moral hazard and insurance demand

#### ***Unit-4***

Concept of risk management; Essentials of risk management; Elements of risk assessment; Risk control & risk financing. Worldwide risk sharing- concept of reinsurance, types of re-insurers; Reinsurance distribution systems, reinsurance markets in developing countries; Selection & classification of risks; Basics of premium construction; valuation and distribution of surplus.

#### ***Unit-5***

Definition, types and importance of general insurance; Concept of short term risk; Basics of the following concepts - Common law, equity, proposal/accidence, indemnity, insurable interest, contribution subrogation; representation; utmost good faith, material fact, physical hazard, moral hazard, policy endorsements conditions/warranties; selection and inspection of risks; rating and calculation of premiums; tariffs and non-tariffs; technology development and general insurance.

#### ***Basic Reading List***

- Black. K. Jr. and H.D. Skipper Jr.(2000), Life & Health Insurance, Prentice Hall, Upper Saddle River, New Jersey.
- Dionne, G. and S.E. Harrington (eds.) (1997), Foundations of Insurance Economics, Kluwer academic Publishers, Boston.
- Pteffer, I. And D.R. Klock (1974), Perspectives on Insurance, Prentice Hall Inc., Engleword Cliffs.
- Williams Jr., C.A. M.L. Smith and P.C.Young (1995), Risk Management and Insurance, McGraw Hill, New York.
- Skipper Jr., H.D.(ed.) (1998), International Risk & Insurance : An Environmental Managerial Approach, Irwin McGraw Hill, Boston.
- United Nations Conference on Trade and Development (1987), The Promotion of Risk Management in Developing Countries, UNCTAD, Geneva.
- Insurance Institute of India, Life Assurance Underwriting, (IC-22), Mumbai.
- Insurance Institute of India, General Insurance Underwriting, (IC-22), Mumbai.
- Government of India (1998), Old Age and Income Security (OASIS) Report (Dave Committee Report), New Delhi.
- Ivers, J.I. III and E.T. Johnson (eds) (1991), Readings in Wealth Accumulation Planning, The American College, Bryn Mawr, Pa.
- Insurance Regulation and Development Authority (2001), IRDA Regulations, New Delhi.
- Meier. K.J. (1998), The Political Economy of Regulation : The Case of Insurance, The State University of New York Press, Albany, N.Y.

M.A. 1st Semester  
Paper- 105 (Option-V)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **ECONOMICS OF LABOUR-I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### ***Preamble***

Issues pertaining to the labour market, wage theories, employment policies trade unions and collective bargaining in the globalized economy have become vitally important for developing countries. In a country like India where the bulk of the labour force is in the unorganized sector and the organized sector is witnessing “jobless” growth, the importance of issues such as employment and unemployment as well as livelihood and social security for the growing millions continues to assume significance. This paper exposes students to theoretical as well as empirical issues relating to the labour market with special reference to India.

### **Unit 1**

#### **Labour Markets**

Nature and characteristics of labour markets in developing countries like India; Paradigms of labour market analysis – Classical and neo-classical; Demand for labour in relation to size and pattern of investment

### **Unit 2**

Supply of labour in relation to growth of labour force; Labour market policies; Mobility and productivity of labour; Rationalization; Methods of recruitment and placement; Employment service organization in India.

### **Unit 3**

#### **Employment**

Employment and development relationship – Poverty and unemployment in developing countries; Unemployment – Concept, Types, and Measurement, particularly in India.

### **Unit 4**

Impact of rationalization, technological change and modernization on employment in organized private industry, Public sector and employment in agricultural sector; Employment policy under Five Year Plans and its evaluation.

### **Unit 5**

## **Wage Determination**

Classical, neo-classical and bargaining theories of wage determination; Concepts of minimum wage, living wage and fair wage in theory and practice; Wage determination in various sectors – rural, urban, organized, unorganized and in informal sectors

### ***Basic Reading List***

- Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publisher, New Delhi.
- Lester, R.A. (1964), Economics of Labour, (2<sup>nd</sup> Edition), Macmillan, New York.
- McConnell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York.
- Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1993), Labour, employment and industrial Relations in India, B.R. Publishing Corporation, New Delhi.
- Venkata Ratnam, C.S. (2001), Globalization and Labour-Management Relations: Dynamics of Change, Sage Publications/Response Books, New Delhi.

### ***Additional Reading List***

- McCormick B. and Smith (Eds.)(1968), The Labour Market, Penguin, Harmondsworth.
- Das, N. (1960), Unemployment, Full Employment and India, Asia Publishing House, Bombay.
- Deshpande L.K. and J.C. Sandesara, (Eds.)(1970), Wage Policy and Wages Determination in India, Bombay University Press, Bombay.
- Hicks J.R. (1932), The Theory of Wages, Clarendon Press, Oxford.
- Mazumdar, D. (1989), Micro-economic Issues of Labour Markets in Developing Countries, EDI Services Paper No. 40, World Bank, Washington D.C.
- Memoria, C.B. (1966), Labour Problems and Social Welfare in India, Kitab Mahal, Allahbad.
- Punekar, S.D. (1978), Labour Welfare, Trade Unionism and Industrial Relations, Himalaya Publishing House, Bombay
- Singh V.B. (Ed.) (1970), Industrial Labour in India, Popular Parakashan, Bombay.
- Misra, L. (2000), Child Labour in India, Oxford University Press, New Delhi.
- Riveros, L. (1990), Labour Market Policies and Labour Market Reforms in Socialist Economies, World Bank, Washington D.C.

M.A. 1st Semester  
Paper- 105 (Option-VI)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80 (60 +20)
Theory	: 60
Practical	: 20
Internal	: 20

### **COMPUTER APPLICATIONS IN ECONOMIC ANALYSIS-I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### **Unit 1**

##### **Introduction to Computers**

Evolution of computers; Computer fundamentals; Components of a personal computer system; Input-output devices; Types of computers and their applications; Operating system; Application software's; Computer languages; Assemblers, compilers and interpreters

#### **Unit 2**

##### **Computer Fundamentals:**

Hardware, Software and Types of Software; Operating System-Definitions & Functions; Computer Languages; Machine, Assemble and High-Level Languages; Computer Transaction: Assemblers, Compilers and Interpreters.

#### **Unit 3**

##### **Business Data Processing Concepts**

Data and Information: Meaning, Types, Data Storage Hierachy; Database Concepts;; Data base Management System, Data Base Structuring Techniques, Advantages and Limitations of Database System; Transfer of Data among different Software.

#### **Unit 4**

##### **Introduction to Information Technology**

Information Technology in Business: Internet, Internet, Extranet, LAN, MAN, WAN, WWW, E- Mail, EDI, Search Engines; Computer Networking and Resource Sharing; Legal Framework and IT Policy in India.

#### **Unit 5**

##### **Introduction to Text Processing**

Meaning, Features of a Good Word Processor; MS-Word: Introduction to parts of a WORD Windows; Creating, Opening and Inserting Files; Editing a Document File; Page Setting and Formatting the Text; Saving and Printing the Document.

### **Basic Reading List**

- Sinha, P.K. (1992), Computer Fundamental, BPB Publications, New Delhi.
- Marketing Research by Kinnear and Taylor, McGrawhill.
- Gupta, S.C. and V.K. Kapoor (1983), Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
- Huda, R.P.,
- Koutsoyanis, A, An Introduction to Econometrics,
- Intrilligator, M.D. (1978), Econometric Models, Techniques and Applications, Prentice Hall, Englewood Cliffs, N.J.
- Greenstein, Marilyn and Fein Man, M. Todd, Electronic Commerce: Security, Risk Management, and Control, Tata McGraw Hill, New Delhi.

### **Additional Reading List**

- Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
- Lipschultz, M.M. and S. Lipschultz (1982), Theory and Problems of Data Processing, Schum's Outline Series, McGraw Hill, New York.
- David Whiteley, E-Commerce: Strategy, Technologies and Applications, Tata McGraw Hill, New Delhi.

M.A. 1<sup>st</sup> Semester  
Paper-105 (Option – VII)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80
Internal	: 20

## **MATHEMATICAL ECONOMICS-I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### ***Preamble***

This course is designed to equip students to understand the economic concepts and theories, which use mathematical tools and techniques to refine the verbal logic. The use of calculus has permitted formulation of economic problems in multivariable mode and yield valuable insight about optimizing human behaviour.

Mathematical economics deals with various applications of mathematical tools and techniques in defining and developing economic relationship. This course has been accordingly designed to include various mathematical techniques/ methods/ models related to the different parts of economic theory like consumer theory, of production, pricing, trade cycles, growth models, etc. The paper covers important aspects of microeconomics and development theory and the various modules have been accordingly designed.

## Unit 1

### **Theory of Consumer Behaviour (a)**

Cardinal and ordinal utility; Ordinal utility maximization; Slutsky equation, compensated demand functions, income, substitution, and price effects; Concept of elasticities- generalizations to  $n$  variable case.

## Unit 2

### **Theory of Consumer Behaviour (b)**

Separable and additive utility functions; homogeneous and homothetic utility functions; transcendental logarithmic utility functions; indirect utility functions; duality theorem; consumer's surplus; Theory of revealed preference and index numbers; Linear expenditure systems.

## Unit 3

### **Theory of Production**

Production function- homogeneous and non-homogeneous; Properties of Cobb-Douglas, CES and Translog production function; Technical progress through production function; Production possibility curve.

## Unit 4

Simple derivation of short and long run cost functions; Modern approach to theory of costs; Cost function; Producer's equilibrium- laws of return and returns to scale; Constrained optimization of a producer; Generalization to  $n$  variable case; Input demand functions; Adding up theorem.

## Unit 5

### **Price Determination in Various Markets**

Price determination in perfect competition, monopoly, monopolistic competition, duopoly, oligopoly and monopsony; Pricing of factors of production.

### ***Basic Reading List***

- Allen, R.G.D. (1976), Mathematical Economics, Macmillan, London.
- Arrow, K. J. and M. Intriligator (Eds.)(1982), Handbook of Mathematical Economics, Volumes I, II and III, North Holland, Amsterdam.
- Henderson, J. M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.

### ***Additional Reading List***

- Chung, J.W. (1993), Utility and Production: Theory and Applications, Basil Blackwell, London.
- Ferguson, C.E. (1976), New-classical Theory of Production and Distribution.
- Allen R.G.D. (1974), Mathematical Analysis for Economists, Macmillan Press and ELBS, London.
- Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
- Jha, R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd., New Delhi.
- Jones, H.G. (1976), An Introduction to the Modern Theory of Economic Growth, McGraw Hill-Kogakusha, Tokyo.
- Handley, G. (1962), Linear Programming, Addison Wesley Publishing Co., Massachusetts.

- Hiller, F.S. and G.J. Lieberman (1985), Operations Research, C.B.S., New Delhi.
- Kothari, C.R. (1992), An Introduction to Operations Research, Vikas Publishing House, New Delhi.
- Mustafi, C. K. (1992), Operations Research: Methods and Practice, Wiley Eastern, New Delhi.

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M.A. 1<sup>st</sup> Semester  
Paper-105 (Option – VIII)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

### **Economics of Regionalism -I**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### **Unit - I**

The Rationale behind Regionalism: Motivation; Multinational Trade Liberalization and RIAs; Regional V/S Global Liberalization; RIAs and Domestic Policy Integration; Impact of RIA Creation; Choice of partners and their impact on Small Economies.

#### **Unit – II**

The Economics of Custom Unions (Viner), Economics of Scale and Custom Union. Unilateral tariff reduction & Custom Union; The GATT's Article XXIV, Preferential Trading Areas and Multilaterarlistm.

#### **Unit – III**

Preferential Trade Liberalization; The traditional Theory and New Developments; A Domino Theory of Regionalism. Hum and Spoke Theory of Regional Integration, The effects of Regionalism on Multilateralism.

#### **Unit – IV**

East Asian Regionalism; Asia's New role in Global Economy, Relevance of Broader Regional Economic Integration in Asia; A Strategic Perspective on Asian Economic Integration: The importance of Building one Asia.

#### **Unit – V**



Building Blocs of Broader Regional Cooperation; ASEAN's Role in Asian Economic Integration; Japan in Asian Economic Community; China's Role in the Asian Economic Integration Process; India and the Asian Economic Integration.

### ***Additional Reading List***

1. Jacob Viner (1950) "The Economics of Customs Unions" in the Custom Union Issue Chapter 4, NY: Carnegie Endowment for International Peace, 41-81.
2. W.M. Corden (1972) "Economies of Scale and Customs Union Theory" *Journal of Political Economy*, 80, January/February/November/December 465-75.
3. Murray C. Kemp & Henry Y. Wan Jr. (1976) An Elementary Proposition Encouraging the Formation of Customs Unions, *Journal of International Economics*, 6 Feb. 95-7.
4. Paul Wonnacott and Ronald Wonnacott (1981) "Is Unilateral Tariff Reduction Preferable to a Customs Union? The Curious Case of the Missing Foreign Tariffs" *American Economic Review* 71(4) Sep. 704-14
5. Richard H. Snape (1993) "History and Economics of GATT Article XXIV in My Anderson and Richard Blackhurst (Eds) *Regional Integration and Global Trading System*, New York: Harvester Wheatsheaf, 273-91.
6. J. Bhagwati & A. Panagariya (1998) "Preferential Trading Areas and Multilateralism: Strangers, Friends and Foes? In *Regionalism in Trade Policy: Essays on Preferential Trading*, Singapore, River Edge, NJ & London.
7. Arvind Panagariya (2000) "Preferential Trade Liberalisation: The Traditional Theory and New Developments" *Journal Economic Literature*, XXXVIII 2 June, 287-331.
8. Martin Richardson (1993) "Endogenous Protection and Trade Diversion" *Journal of International Economics*, 34 (3-4) May 309-24.
9. Richard E. Baldwin (1995) "A Domino Theory of Regionalism" in Richard Baldwin, Per Håparanta and Jarkko Kiander (eds), *Expanding Membership of the European Union*, Cambridge: Cambridge University Press 25-48.
10. Arvind Panagariya and Ronald Fivilday (1996) "A Political Economy Analysis of Free Trade Areas and Customs Unions" in Robert C Feensba, Gene M. Grossman and Dongla A. Irwin (eds) *The Political Economy of Trade Policy: Papers in Honor of Jagdish Bhagwati*. Cambridge, MA: MIT Press (265-87)
11. Kyle Bawell and Robert W. Staiger (1997) "Multilateral Tariff Cooperation During the Formation of Customs Unions" *Journal of International Economics*, 42, 91-123.
12. Philip I. Ledy (1997) "A Political Economics Analysis of Free Trade Agreements" *American Economic Review* 87 (4) Sept. 506-19.
13. Pravin Krishna (1996) "Regionalism and Multilateralism " A Political Economy Approach" *Quarterly Journal of Economics* XIII (I) Feb, 227-51.
14. Wilfred J. Ethier (1958) "Regionalism in a Multilateral World" *Journal of Political Economy* 106 (6) Dec. 1214-45.

15. Caroline Freund (2000) “Multilateralism and the Endogenous Formation of Preferential Trade Agreements” *Journal of International Economics* 52, 359-76
16. Paul Wonnacott and Mark Lutz (1989) “Is there a case for Free Trade Areas?” in Jeffrey J. Schott (eds) *Free Trade Areas and US Trade Policy* Washington DC Institute of International Economics, 59-84.
17. Lawrence H. Summers (1991) “Is there a case for Free Trade Areas?” in Institute of International Economics, 59-84.
18. Paul Krugman (1993) “Regionalism Versus Multilateralism: Analytical Notes; in Jaime De Melo and Arvind Panagariya (eds) *New Dimensions in Regional Integration* Cambridge: Cambridge University Press 58-84.
19. Jeffrey Frankel Ernesto Stein and Shang Jin Wei (1995) “Trading Blocs and the Americas: The Natural the Unnatural and the Super Natural” *Journal of Development Economics*, 47 (E), June, 61-95.
20. “Asia’s New Regionalism and Global Role: Agenda for the East Asia Summit” edited by Nagesh Kumar, K. Kesavpny and Yao Cheocheng published by RIS & ISERS, 2008.

**M. A. Economics**

**Syllabus for 2011-2012**

**Course Structure**

**M.A. Economics (Semester II)**

		<b>Total Marks</b>	<b>External</b>	<b>Internal</b>	<b>Time</b>
Paper-201	Micro Economic Analysis-I	100	80	20	3 Hrs.
Paper-202	Macro Economic Analysis-II	100	80	20	3 Hrs.
Paper-203	Quantitative Methods-II	100	80	20	3 Hrs.
Paper-204	Public Economics-II	100	80	20	3 Hrs.
Paper-205					
Option (i)	Financial Economics-II	100	80	20	3 Hrs.
Option (ii)	Demography-II	100	80	20	3 Hrs.
Option (iii)	Economics of Infrastructure-II	100	80	20	3 Hrs.
Option (iv)	Economics of Insurance-II	100	80	20	3Hrs. Option (v)
	Economics of Labour-II	100	80	20	3Hrs. Option (vi)
	Computer Applications in Economic Analysis-II	100	80(60+20)	20	3Hrs. (60 Theory + 20 Practical)
Option (vii)	Mathematical Economics-II	100	80	20	3Hrs.
Option (viii)	Economics of Regionalism-II	100	80	20	3Hrs.

**Note: Students are required to select an option from Paper-205 from the same stream which they selected in Semester I.**

M.A. 2<sup>nd</sup> Semester  
Paper-201 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **MICRO ECONOMIC ANALYSIS-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### ***Preamble***

This paper analyses the economics behaviour of individuals, firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumer behaviour and demand analysis, production theory and behaviour of costs, the theory of traditional markets.

### ***Unit-1***

#### **Alternative Theories of the Firm**

Critical evaluation of marginal analysis; Baumal's sales revenue maximization model; Williamson's model of managerial discretion; Marris model of managerial enterprise; Full-cost pricing rule; Bain's limit pricing theory; Behavioral model of the firm (Cyert and March).

### ***Unit-2***

#### **Distribution**

Neo-classical approach: Marginal productivity theory - in perfect and imperfect product and factor markets; Product exhaustion theorem; Elasticity of technical substitution, technical progress and factor shares; Macro theories of distribution – Ricardian, Marxian, Kalecki and Kaldor's.

### ***Unit-3***

#### **Economics of Uncertainty**

Individual behaviour towards risk; Expected utility and certainty equivalence approaches; - Risk pro and risk aversion; Risk pooling and risk spreading; Mean-variance analysis and portfolio selection; Gambling and insurance; The economics of insurance; Decision rules under uncertainty; Economics of information.

### ***Unit-4***

#### **Welfare Economics**

Pigovian welfare economics-Pareto optimal conditions; Value judgement; Social welfare function; Compensation principle; Inability to obtain optimum welfare – Imperfections, market failure, decreasing costs; Uncertainty and non-existent and incomplete markets; Theory of second best – Arrow's impossibility theorem, Rawl's theory of Justice; Equity efficiency trade off.

## *Unit-5*

### **General Equilibrium**

Partial and general equilibrium; Walrasian excess demand and input- output approaches to general equilibrium, Existence, stability and uniqueness of partial equilibrium and general equilibrium; Relationship between relative commodity and factor prices (Stoplier-Samuelson theorem); Relationship between output-mix and real factor prices-effect of changes in factors supply in closed economy (Rybczynsky theorem).

### ***Basic Reading List***

- Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
- Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
- Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
- Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.

### ***Additional Reading List***

- Baumol, W.J. (1982), Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
- Green H.A.G. (1971), Consumer Theory, Penguin, Harmondsworth.
- Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
- Da Costa, G. C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
- Healthfields and Wibe (1987), An Introduction to Cost and Production Functions, Macmillan, London.
- Archibald, G.C. (Ed.) (1971), Theory of the Firm, Penguin, Harmondsworth.
- Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, London.
- Graff, J. De. V. (1957), Theoretical Welfare Economics, Cambridge University Press, Cambridge.
- Quirk, J. and R. Saposnik (1968), Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.
- Borch, K.H. (1968), The Economics of Uncertainty, Princeton University Press, Princeton.
- Diamond and Rothschild (Eds.) (1978), Uncertainty in Economics, Academic Press New York.

M.A. 2nd Semester  
Paper-202 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **MACRO ECONOMIC ANALYSIS-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### **Preamble**

Macroeconomics economics analyses and establishes the functional relationship between large aggregates. The aggregate analysis has assumed such a great significance in recent times that a prior understanding of macroeconomics theoretical structure is considered essential for the proper comprehension of the different issues and policies. Macroeconomics now is not only a scientific method of analysis; but also a body of empirical economics knowledge. The paper entitled “Macro Economics Analysis” equips the students at the postgraduate level to understand systematic facts and latest theoretical developments for empirical analysis.

### **Unit-1**

#### **Open Macro Economics**

International flow of capital and goods; saving and investment in a small open economy; Exchange Rates-real and nominal; Demand and supply of Foreign Exchange; Balance of payments-current and capital account; Mundell-Fleming Model under fixed and flexible exchange rates.

### **Unit-2**

#### **Theory of Inflation**

Demand pull and cost push theories of inflation; Trade off between inflation and unemployment – Phillips curve (Short Run and long Run); The inflationary pressure curve and the natural rate of unemployment.

### **Unit-3**

#### **Theory of Business Cycles**

Business Cycle Theories of Schumpeter, Kaldor, Samuelson and Hicks; Control of business cycles – relative efficacy of monetary and fiscal policies.

### **Unit-4**

#### **Macro Economic Policy**

Monetary and Fiscal Policy- Targets and instruments; The Great Depression; Lags in the effects of policies; Expectations and Reactions; Uncertainty and Economic Policy; Economic Policy - Rules vs Discretion .

### **Unit-5**

#### **New Macroeconomics**

The Concept of Rational Expectations; New Classical Macro Economics – basic approach and policy implications; New Keynesian Economics - Sticky Nominal prices (Mankiw Model); Supply Side Economics.

### ***Basic Reading List***

- Ackley, G. (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
- Blackhouse, R. and A. Salansi (Eds.) (2000), Macroeconomics and the Real World (2 Vols.), Oxford University Press, London.
- Branson, W.A. (1989), Macroeconomic Theory and Policy, (3<sup>rd</sup> Edition), Harper and Row, New York.
- Dornbusch, R. and F. Stanley (1999), Macroeconomics, Irwin McGraw Hill, Inc. New York, 7<sup>th</sup> Edition.
- Heijdra, B.J. and V.P. Fredericck (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi.
- Jha, R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd., New Delhi.
- Romer, D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
- Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi.

### ***Additional Reading List***

- Mankiw, N.G. and D. Romer (Eds.) (1991), New Keynesian Economics, (2Vols.), MIT Press, Cambridge.
- Mankiw, N. Greogory (2000), Macroeconomics Macmillan Worth Publishers 4<sup>th</sup> Edition.
- Frisch, H. (1983), Theories of Inflation, Cambridge University Press, Cambridge.
- Sheffirin, S.M. (1996), Rational Expectations, Cambridge University Press, Cambridge.
- Lucas, R. (1981), Studies in Business Cycle Theory, MIT Press, Cambridge, Masscechusetts.
- Taylor, L. (1983), Structuralist Macroeconomics, Basic Books, New Longman.
- Turnovsky, S.J. (1977), Macroeconomic Analysis and Stabilization Policy, Cambridge University Press, Cambridge.
- Ruggles R. and N. Ruggles (1956), National Income Accounts and Income Analysis Mc Graw Hill, Newyork.
- Veniers, Y.P. and F.D.Sebold, (1977) Macroeconomics; Models and Policy John Wiley and Inc, USA.
- Dernburg , T.F.and D. M.Mc Dougall, Macroeconomics, McGraw Hill International Book Company.

M.A. 2nd Semester  
Paper-203 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## QUANTITATIVE METHODS-II

Note: Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### Unit 1

Index numbers; uses and types, tests for consistency, Base shifting, splicing and deflating of index numbers. Time series analysis; introduction and components, method of simple averages, moving averages and ratio to moving averages.

### Unit 2

Basic concepts and definitions of probability; Laws of addition and multiplication; Conditional probability; Bay's theorem (statement); Binomial, Poisson and Normal distribution; Basic concepts of sampling- random and non-random sampling.

### Unit 3

Types of data and statistical analysis procedures: Univariate, Bivariate and Multivariate (only overview); Hypothesis Testing procedure based on Z, t,  $x^2$  and F-test and one-way ANOVA.

### Unit 4

Meaning and assumptions of simple regression analysis; Single linear equation regression model (by OLS Method); Concept of an estimator and its desirable properties; Significance of estimators in the linear relationships.

### Unit 5

Coefficient of determination; Development of confidence intervals; Estimation of simple and exponential growth rates; Forecasting with OLS; Estimation of Cobb Douglas production function.

### ***Basic Reading List***

- Vohra, N. D. Quantitative Techniques in Management, Tata McGraw Hill, New Delhi.
- Speigal, M. R. Theory and Problems of Statistics, McGraw Hill Book, London
- Croxton, F. E., D. . Cowden and S. Kliein, Applied General Statistics, Prentice Hall, New Delhi.
- Gupta S.C. and V.K. Kapoor, Fundamentals of Applied Statistics, S. Chand and Sons New Delhi.
- Yates, Frank, Sampling Methods for Census and Surveys, Charles, Griffin Co., London.



- Cochran, W. G., Sampling Techniques, John Wiley, New York.
- Hansen, Hurst and Meadow, Sample Survey Methods and Theory, John Wiley New York.
- Gupta S. C. Fundamentals of statistics, Himalaya Publishing house, New Delhi.
- Gupta S.P. and Gupta M. P. Business statistics, Sultan chand and sons, New Delhi.
- Kmenta J. Elements of Econometrics, Macmillan Publishing Co., Inc. New York.

M.A. 2nd Semester  
Paper-204 (Compulsory)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

### **PUBLIC ECONOMICS-II**

Note: Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### **UNIT – I**

Public Choice – Reasons for Public Choice; Public Choice under Direct Democracy – Unanimity rule – Lindahl and Wicksell, Majority Rule - Buchanan and Tullock Model, Bowen-Black Model; Arrow's Impossibility Theorem; Public Choice Under Representative Democracy – Downs Model on Demand and Supply of Government Policy; Niskanen Model of Bureaucratic Behaviour

#### **UNIT – II**

Public Enterprises – Forms of Organization of Public Enterprises; Pricing Policy of Public Enterprises; Theory of Second Best; Capacity Constraints and Peak Load Problem; Social Cost Benefit Analysis; Problem of Risk and Uncertainty

#### **UNIT – III**

Public Debt – Objectives and Sources of Public Debt; Classification and Effects of Public Debt; Burden Controversy of Public Debt – Classical Theory, Modern Theory, Buchanan Thesis, Secondary Burden of Public Debt; Public Debt and Inflation; Public Debt Management and Redemption of Public Debt

#### **UNIT – IV**

Fiscal Federalism – Principles of Multi-Unit Finance; Assignment of Functions Among Levels of Government; Tiebout Model and Citizen's Mobility; Theory of Intergovernmental Grants

#### **UNIT – V**

Budgeting – Phases of Budgetary Cycle; Parliamentary Control Over Budgets; Structure of Central Government Budget; Measures of Budget Deficit; Budget and Fiscal Federalism; Program Budgeting and Zero Base Budgeting

### **Reading List**

#### **Basic Reading List**

1. American Economic Association, Readings in the Economics of Taxation, edited by R. A. Musgrave and C. Shoup (Homewood: Richard D. Irwin, 1959).
2. Anthony Downs, An Economic Theory of Democracy (New York: Harper, 1957).
3. Duncan Black and R. A. Newing, Committee Decisions with Complementary Valuation (London: William Hodge, 1951).
4. Duncan Black, The Theory of Committees and Elections (Cambridge: Cambridge University Press, 1958).
5. Howard Bowen, Toward Social Economy (New York: Rinehart, 1948), pt. IV.
6. International Economic Association, Classics in the Theory of Public Finance, edited by R. A. Musgrave and A. T. Peacock (London: Macmillan, 1958).
7. J. de V. Graaf, Theoretical Welfare Economics (Cambridge: Cambridge University Press, 1957).
8. James M. Buchanan and Gordon Tullock, The Calculus of Consent (Ann Arbor: University of Michigan Press, 1962).
9. James M. Buchanan, Fiscal Theory and Political Economy (Chapel Hill: University of North Carolina Press, 1960).
10. Kenneth J. Arrow, Social Choice and Individual Values (New York: John Wiley and Sons, 1951; Revised edition, 1963).

11. Mancur Olson, *The Logic of Collective Action* (Cambridge: Harvard University Press, 1965).
12. R. A. Musgrave, *The Theory of Public Finance* (New York: McGraw-Hill, 1959).
13. William J. Baumol, *Welfare Economics and the Theory of the State* (Cambridge: Harvard University Press, 1952; Revised second edition, 1965).

### Advanced Reading List

1. Atkinson, A. and J. Stiglitz, *Lectures on Public Economics*, 16-1.
2. Atkinson, A. B. and N. Stern, "Pigou, Taxation, and Public Goods," *Rev. Econ. Stud.*, January 1974.
3. Baumol, W., "On Taxation and the Control of Externalities," *Amer. Econ. Rev.*, June 1972.
4. Berglas, E. and D. Pines, "Clubs, Local Public Goods, and Transportation Models: A Synthesis," *J. Public Econ.*, April 1981 (Sections 1-3).
5. Bergstrom, T., "When Does Majority Rule Supply Public Goods Efficiently?" *Scand. J. Econ.*, No. 2, 1979.
6. Bergstrom, T., et. al., "Micro-Based Estimates of Demand Functions for Local School Expenditures," *Econometrica*, September 1982.
7. Bergstrom, T., L. Blume, and H. Varian, "On the Private Provision of Public Goods," *J. Public Econ.*, January 1986.
8. Borcharding, T. and R. Deacon, "The Demand for the Services of Non-Federal Governments," *Amer. Econ. Rev.*, December 1972.
9. Bradford, D. and Oates, W., "Toward a Predictive Theory of Intergovernmental Grants," *Amer. Econ. Rev.*, May 1971.
10. Brito, D. and W. Oakland, "On the Monopolistic Provision of Excludable Public Goods," *Amer. Econ. Rev.*, March 1981.
11. Brueckner, J., "Congested Public Goods: The Case of Fire Protection," *J. Public Econ.*, February 1981.
12. Brueckner, J., "Equilibrium in a System of Communities with Local Public Goods: A Diagrammatic Exposition," *Economics Letters*, 1979.
13. Brueckner, J., "Property Value Maximization and Public Sector Efficiency," *J. Urban Econ.*, July 1983.
14. Brueckner, J., "Tastes, Skills, and Local Public Goods," *J. Urban Econ.*, March 1994
15. Coase, R., "The Problem of Social Cost," *J. Law Econ.*, October 1960.
16. Cornes, R. and T. Sandler, *The Theory of Externalities, Public Goods, and Club Goods*, pp. 69-80.
17. Feldman, A., *Welfare Economics and Social Choice Theory*, Ch. 6 (Sections 1-3)
18. Groves, T. and M. Loeb, "Incentives and Public Inputs," *J. Public Econ.*, August 1975.
19. Hamilton, B., "The Flypaper Effect and Other Anomalies," *J. Public Econ.*, December 1983.
20. Helsley, R. and W. Strange, "Exclusion and the Theory of Clubs," *Canadian J. Econ.*, November 1991.
21. Lee, K. "Bureaucrats and Tax Limitation," *J. Urban Econ.*, July 1993.
22. McGuire, T., "Budget-Maximizing Governmental Agencies: An Empirical Test," *Public Choice*, 1981.
23. Moene, K., "Types of Bureaucratic Interaction," *J. Public Econ.*, 1986.
24. Niskanen, W., "The Peculiar Economics of Bureaucracy," *Amer. Econ. Rev.*, May 1968.
25. Peltzman, S., "The Effect of Government Subsidies in Kind on Private Expenditures: The Case of Higher Education," *J. Polit. Economy*, January/February 1973.
26. Romer, T. and H. Rosenthal, "The Elusive Median Voter," *J. Public Econ.*, October 1979.
27. Samuelson, P., "A Diagrammatic Exposition of a Theory of Public Expenditure," *Rev. Econ. Statist.*, November 1955.
28. Samuelson, P., "The Pure Theory of Expenditure and Taxation," in *Public Economics*, Margolis and Guiton, Eds.
29. Sandmo, A., "Public Goods and the Technology of Consumption," *Rev. Econ. Stud.*, October 1973.
30. Scotchmer, S. and M. Wooders, "Competitive Equilibrium and the Core in Club Economies with Anonymous Crowding," *J. Public Econ.*, November 1987.
31. Silva, E. and C. Kahn, "Exclusion and Moral Hazard: The Case of Identical Demand," *J. Public Econ.*, September 1993.
32. Tiebout, C., "A Pure Theory of Local Expenditures," reprinted in *Readings in Urban Economics*, Edel and Rothenberg, Eds.
33. Turnbull, G., "The Overspending and Flypaper Effects of Fiscal Illusion: Theory and Empirical Evidence", *Journal of Urban Economics*, July 1998.
34. Wheaton, W., "Land Capitalization, Tiebout Mobility, and the Role of Zoning Regulations," *J. Urban Econ.*, September 1993.

35. White, M. and D. Wittman, "Pollution Taxes and Optimal Spatial Location," *Economica*, May 1982.
36. Wildasin, D., "On Public Good Provision with Distortionary Taxation," *Economic Inquiry*, April 1984.
37. Wilson, J., "Theories of Tax Competition," *National Tax Journal*, June 1999.
38. Zodrow, G. and P. Mieszkowski, "Pigou, Tiebout, Property Taxation, and the Underprovision of Local Public Goods," *J. Urban Econ.*, May 1986.

M.A. 2nd Semester  
Paper-205 (Option – I)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80
Internal	: 20

### **FINANCIAL ECONOMICS-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### **Unit 1**

Risk-Return Analysis; Choice under Uncertainty; Bond Return and Valuation-Term Structure of interest Rates, Convexity, Duration and Immunisation; Stock return and Valuation.

#### **Unit 2**

Economics of personal Finance- Fundamental and Technical Security Analysis; Efficient market Theory; Economics of Portfolio of Financial Assets – Markowitz Model, Sharpe Index Model, Capital asset pricing Model, Arbitrage Pricing Theory

#### **Unit 3**

Economics of Mutual Funds- Sharpe, Treynor and Jensen Performance Index; Economic rationale of Financial Derivatives; Economics of Futures Contracts- Pricing of Futures Contracts, Hedging with Futures Contracts.

#### **Unit 4**

Economics of Options Contracts-Types and Payoffs, Option Pricing-Binomial Option Pricing Model, Black-Scholes Option Pricing Model; Options Hedging strategies-Delta, Gamma, Theta, Vega and Rho.

#### **Unit 5**

Economics of Multinational Finance: The Multinational Financial System; Current Assets and Capital Budgeting Decisions in MNC's; Special Financing Vehicles; Designing a Global Financing Strategy.

#### ***Reading List***

- Bodurtha, J. and Courtadon G., *The Pricing of Foreign Currency Options*, New York, Salomon Brothers Center, New York University, 1987-4/5.
- Bolten, Steven E., "Security Analysis and Portfolio Management: An Analytical Approach to Investments", N. Y. Holt, Rineheri and Winston, 1972.
- Bowyer, John, W., "Investment Analysis and Management". Illinois, Irwin, 1972.
- Carr, J. L., "Investment Economics", Sage Pub., California, 1969

- Chance D.M., “ An Introduction to Options and Futures”, Dryden press, Orlando, fl, 1989
- Chance, D., “An Introduction to derivatives”, New York, Dryden, 1998.
- Conard Michael Mattern, “ Handbook of Investment Research: Economic and Financial Indicators as Market Movers”, Palgrave Macmillan, 2002. ISBN10:0195108094.
- David King,” Financial Claims and Derivatives”, Thomson Learning, 1998. ISBN10: 186152448X
- Fama, E.F. and Miller, M. H., “ Theory of Finance”, H.Y. Hold, Rinehart and Winston, 1972
- Figlewski, S., W. Silber and M. Subrahmanyam, “ Financial Options, : From Theory to Practice”, Homewood, Illinois, Business One Irwin, 1990, ISBN 1556232349
- Frank Milne, “ Finance Theory and Asset Pricing”, Oxford University Press, 2003. ISBN 10: 0199261075
- Hull, J., “Options, Futures and Other Derivative Securities”, Upper Saddle River, N. J., Prentice Hall, 6<sup>th</sup> edition, 2006, ISBN 013149908-4.
- Jarrow, R. A. And A. Rudd, “Option Pricing”, Homewood Illinois, Dow Jones-Irwin, 1983, ISBN10: 0870943782
- Jarrow, R.A. and S. Turnbull, “Derivative Securities:, Cincinnati, Ohio, South-Western, 1996.
- Mcdonald, R., “Derivatives Markets”, Boston, MA, Addison- Wesley Publishing, 2002, ISBN 0870943782.
- Richard T. Baillie, “The Foreign Exchange Market” Cambridge University Press, 1990. ISBN10: 0521396905.
- Robert W. Kolb, “ Financial Derivatives”, Blackwell Publishing, 1996. ISBN10: 1557869308.
- Robert W. Kolb, James Overdahl, “ Understanding Futures Markets”, Blackwell Publishing, 2006. ISBN10: 1405134038
- Thomas A. Ho, Sang Bin Lee, “ Securities Valuation: Applications of Financial Modeling”, Oxford University Press, 2005 ISBN10: 0195172752

M.A. 2<sup>nd</sup> Semester  
Paper-205 (Option-II)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80
Internal	: 20

### **DEMOGRAPHY-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### ***Preamble***

The main objective of this paper is to make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country. The paper also enlightens the student on the quantitative and the qualitative aspects and characteristics of the population through various demographic techniques. In recent times, gender characteristics of the population have acquired importance and these have also been included in the framework of study.

Migration and urbanization are the characteristics of structural change taking place in a society. Their study is essential to understand the dynamics of this change. The paper exposes the students to sources of population and related characteristics as also to the rationale, need and evolution of population policy.

### **Unit 1**

Theories of population – Malthus, Optimum theory of population; Theory of demographic transition Views of Meadows, Enke and Simon; Population and development.

### **Unit 2**

Determinates of age and sex structure; Demographic effects of sex and age structure; economics and social implications; age pyramids and projections – Individual aging and population aging; 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.

### **Unit 3**

Life Table – Construction and uses; Concepts of stable population; Methods of population projection. Migration:- 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

### **Unit 4**

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, foetal, infant and child mortality rates; Maternal mortality rates; Life expectancy; Appraisal of Kerala model; Pattern of migration and urbanization in India.

### **Unit 5**

Evolution 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.

#### ***Basic Reading List***

- Agarwala S.N. (1972), India's Population Problem, Tata McGraw-Hill Co., Bombay.
- Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
- Bogue, D.J. (1971), Principles of Demography, John Wiley, New York.
- Chenery H. and T.N. Srinivasan (Eds.)(1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam.
- Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
- Coale, A.J. and E.M. Hoover (1958), Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospectus, Princeton University Press, Princeton.
- Gulati, S.C. (1988), Fertility in India: An Econometric Study of a Metropolis, Sage, New Delhi.

### ***Additional Reading List***

- Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press.
- Srinivasan, K, (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
- Srinivasan, K. and A.Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
- Sryrock, H. et. al. (1973), The Methods and Materials of Demography, US Department of Commerce, Washington, D.C.
- United Nations (1973), The Determinants and Consequences of Population Trends, Vol.1 UNO Publications, New York.
- Chiang, C.L. (1974), Life Tables and Mortality Analysis, W.H.O., Geneva.
- Novell, C. (1988), Methods and Models in Demography, Bellhaven Press, London.
- Agnihotri, S.B. (2000), Sex ration in Indian Population: A Fresh Exploration, Sage New Delhi.
- Amsden, A.H. (Ed.) (1980), The Economics of Women and Work, Penguin, Harmondsworth.
- Baud, I.S.A. (1992), Form of Production and Women's Labour, Gender Aspects of Industrialization in India and Mexico, Sage, New Delhi.
- Boserup, E. (1970), Women's Role in Economic Development, George Allen and Unwin, London.
- Jhabwala, R. and R.K. Subramanya (2000) (Eds.), The Unorganized Sector: Work Security and Social Protection, Sage, New Delhi.
- King M. and M.A. Hill (Eds.) (1993), Women's Education in Developing Countries: Barriers, Benefits and Politics, John Hopkins, Baltimore.
- Krshnaji M., R.M. Sudarshan and A. Shariff (1999), Gender Population and Development, Oxford University Press, New Delhi.
- Lewis (Ed.) (1989), Strengthening the Poor: What Have We Learnt, OECD, Paris.
- Sudarshan and A. Shariff (1999), Gender Population and Development, Oxford University Press, New Delhi.
- Gupta, J. A. (2000), New Reproductive Technologies, Women's Health and Autonomy, Indo Dutch Studies on Development Alternatives, Sage, New Delhi.
- Mishra S. (2000), Voluntary Action in Health and Population: The Dynamics of Social Transition, Sage, New Delhi.
- Mitra, A. (1979), Implications of Declining Sex Ration in India's Population, Allied, New Delhi.
- Seth M. (2000), Women and Development: The Indian Experience, Sage, New Delhi.

Paper-205 (Option-III)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **ECONOMICS OF INFRASTRUCTURE-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### ***Preamble***

The important role infrastructure plays in a country's development need not be reiterated. In case of developing countries, lack of adequate infrastructure has been held as a major obstacle to growth. Of the various categories of infrastructure, the category of social overhead capital has gained particular prominence. The contents of the paper 'Economics of Infrastructure' exposes the student wholly to issues involved in developing countries like India.

### **Unit 1**

Economics of scale of Joint supply; Marginal Cost Pricing vs. other methods of pricing in public utilities; Cross-subsidization – free prices, equity and efficiency.

### **Unit 2**

Rate-making in Telephone Utilities. Principles of Decreasing Costs Telephone Industry Characteristics of Postal Services. Criteria for Fixation of Postal rates. Measurement of Standards of Service in Telephone and Postal Utilities.

### **Unit 3**

Bulk Supply and Pricing of Electricity – The relative Economics of Thermal, hydel and nuclear Power Plants. The Case for a National Power Grid. Financing Water Utilities, Urban and Rural Water Supply. The Exploitation of Natural Gas. Pricing Problem.

### **Unit 4**

Development of Social Services in successive Indian plans.

### **Unit 5**

Health dimensions of development; Determinants of Health – poverty, malnutrition, illiteracy and lack of information; Economic dimensions of health care – Demand and supply of health care; Financing of health care and resource constraints; Inequalities in health – class and gender perspectives; Institutional issues in health care delivery.

### ***Basic Reading List***

- Crew, M.A. P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.
- Indian Council of Social Sciences Research (ICSSR)(1976), Economics of Infrastructure, Vol. VI, New Delhi.
- National Council of Applied Economic Research (NCAER) (1996), India Infrastructure Report: Policy Implications for Growth and Welfare, NCAER, New Delhi.



- Parikh, K.S. (Ed.) (1997), India Development Report 1997, Oxford, New Delhi.
- Parikh, K.S. (Ed.) (1999), India Development Report – 1999-2000, Oxford, New Delhi.
- Turvey. R. (Ed.) (1968), Public Enterprises, Penguin, Harmondsworth.

***Additional Reading List***

- Goyal, S.K. (Ed.) (1995), Public Enterprises, Indian Institute of Public Administration, New Delhi.
- Panchamukh, P.R. (1980), Economics of Health: A Trend Report in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied, Delhi.
- Tilak, J.B.G. (1994), Education for Development in Asia, Sage Publications, New Delhi.

M.A. 2<sup>nd</sup> Semester  
Paper-205 (Option-IV)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80
Internal	: 20

**ECONOMICS OF INSURANCE -II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

***Preamble***

The vital role of insurance in the task of risk-bearing and risk-elimination in the economic affairs has not been appreciated adequately in our country. Given that the element of risk or uncertainty is a universal and fundamental phenomenon in our economic life, the importance of insurance as a means of reducing uncertainty and risk in regard personal and business activities cannot be overemphasized.

The role of insurance sector in mobilizing a country's saving for channeling them into capital formation and thus contribute to a country's economic development is also documented. There is a wide spread recognition that insurance, particularly life insurance, is a prominent segment of applied economics. Insurance industry is an important constituent of financial services industry in India and is a major investment institution and prominent player in the capital market. However, in our country, study of the subject of insurance has largely remained neglected.

With the opening of the insurance for private Indians and foreign players, the interest in the subject has been kindled. The course on Insurance Economics attempts to give a fairly comprehensive view of the subject to the postgraduate students in Economics and pave the way for possible future expansion of the teaching of an important branch of economics.

### **Unit 1**

Wealth accumulation planning; Life cycle planning; Planning for accumulation, objectives; purchase of insurance and accumulation planning; Investments - tax advantaged and non-tax advantaged

### **Unit 2**

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 and tools; Life insurance for estate liquidity.

### **Unit 3**

Role of risk-management and insurance in economics development; Insurance institutions as financial intermediaries; Insurance institutions as investment institutions; Insurance institutions in Indian capital market.

### **Unit 4**

Regulation of insurance; Purpose of government intervention in markets; Theories of regulation; Insurance regulation in India; Insurance regulation & Development Authority; Set up and management of insurance companies; Marketing of general insurance.

### **Unit 5**

Regulation governing investments of insurance institutions in India, scope and limitation of Indian Agriculture Insurance.

#### ***Basic Reading List***

- Black. K. Jr. and H.D. Skipper Jr.(2000), Life & Health Insurance, Prentice Hall, Upper Saddle River, New Jersey.
- Dionne, G. and S.E. Harrington (eds.) (1997), Foundations of Insurance Economics, Kluwer academic Publishers, Boston.
- Pfeiffer, I. And D.R. Klock (1974), Perspectives on Insurance, Prentice Hall Inc., Englewood Cliffs.
- Williams Jr., C.A. M.L. Smith and P.C.Young (1995), Risk Management and Insurance, McGraw Hill, New York.
- Skipper Jr., H.D.(ed.) (1998), International Risk & Insurance : An Environmental Managerial Approach, Irwin McGraw Hill, Boston.
- United Nations Conference on Trade and Development (1987), The Promotion of Risk Management in Developing Countries, UNCTAD, Geneva.
- Insurance Institute of India, Life Assurance Underwriting, (IC-22), Mumbai.
- Insurance Institute of India, General Insurance Underwriting, (IC-22), Mumbai.
- Government of India (1998), Old Age and Income Security (OASIS) Report (Dave Committee Report), New Delhi.
- Ivers, J.I. III and E.T. Johnson (eds) (1991), Readings in Wealth Accumulation Planning, The American College, Bryn Mawr, Pa.
- Insurance Regulation and Development Authority (2001), IRDA Regulations, New Delhi.
- Meier. K.J. (1998), The Political Economy of Regulation : The Case of Insurance, The State University of New York Press, Albany, N.Y.

M.A. 2<sup>nd</sup> Semester  
Paper-205(Option-V)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **ECONOMICS OF LABOUR-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### ***Preamble***

Issues pertaining to the labour market, wage theories, employment policies trade unions and collective bargaining in the globalized economy have become vitally important for developing countries. In a country like India where the bulk of the labour force is in the unorganized sector and the organized sector is witnessing “jobless” growth, the importance of issues such as employment and unemployment as well as livelihood and social security for the growing millions continues to assume significance. This paper exposes students to theoretical as well as empirical issues relating to the labour market with special reference to India.

### **Unit 1**

Non-wage component of labour remuneration; inflation-wage relationship at micro and macro levels; Productivity and wage relationship; National wage policy; Wages and Wage Boards in India; Bonus system and profit sharing.

### **Unit 2**

Theories of labour movement – Growth, pattern and structure of labour unions in India, achievements of labour unions; Causes of industrial disputes and their settlement and prevention mechanism.

### **Unit 3**

Role of tripartism; Current trends in collective bargaining; Role of judicial activism; labour legislation in India with special reference to the Trade Union Act 1923, Industrial Disputes Act 1947 and Factories Act 1948.

### **Unit 4**

State and social security labour – Concept of social security and its evolution; Review and appraisal of state policies with respect to social security and labour welfare in India.

### **Unit 5**

Special problems of labour; Child labour, female labour, discrimination and gender bias in treatment of labour; Labour market reforms – Exit policy, need for safety nets, measures imparting flexibility in labour markets; Second National Commission of Labour; Globalization and labour markets.

### ***Basic Reading List***

- Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publisher, New Delhi.
- Lester, R.A. (1964), Economics of Labour, (2<sup>nd</sup> Edition), Macmillan, New York.
- McConnell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York.
- Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1993), Labour, employment and industrial Relations in India, B.R. Publishing Corporation, New Delhi.
- Venkata Ratnam, C.S. (2001), Globalization and Labour-Management Relations: Dynamics of Change, Sage Publications/Response Books, New Delhi.

### ***Additional Reading List***

- McCormick B. and Smith (Eds.)(1968), The Labour Market, Penguin, Harmondsworth.
- Das, N. (1960), Unemployment, Full Employment and India, Asia Publishing House, Bombay.
- Deshpande L.K. and J.C. Sandesara, (Eds.)(1970), Wage Policy and Wages Determination in India, Bombay University Press, Bombay.
- Hicks J.R. (1932), The Theory of Wages, Clarendon Press, Oxford.
- Mazumdar, D. (1989), Micro-economic Issues of Labour Markets in Developing Countries, EDI Services Paper No. 40, World Bank, Washington D.C.
- Memoria, C.B. (1966), Labour Problems and Social Welfare in India, Kitab Mahal, Allahbad.
- Punekar, S.D. (1978), Labour Welfare, Trade Unionism and Industrial Relations, Himalaya Publishing House, Bombay
- Singh V.B. (Ed.) (1970), Industrial Labour in India, Popular Parakashan, Bombay.
- Misra, L. (2000), Child Labour in India, Oxford University Press, New Delhi.
- Riveros, L. (1990), Labour Market Policies and Labour Market Reforms in Socialist Economies, World Bank, Washington D.C.

M.A. 2<sup>nd</sup> Semester  
Paper-205(OPTION-VI)

Time	: 3 Hrs.
Max. Marks	: 100
External	: 80
Theory	: 60
Practical	: 20
Internal	: 20

## **COMPUTER APPLICATION IN ECONOMICS ANALYSIS-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### **Unit 1**

#### **Computer Fundamentals:**

Input-Output Devices; Computer Codes; BCD, EBCDIC, ASCII and Collecting Sequence; Planning the Computer Program; Algorithm, Flowcharts and Computer Program.

### **Unit 2**

#### **Spreadsheet Software**

Spreadsheet: Meaning, Overview, Overview and Application areas; Features of MS-Excel; Entering Information. Saving workbooks and Formatting , Spreadsheet Function; Creating Graphs; Printing Worksheets and Graphs.

### **Unit 3**

#### **Statistical Processing Techniques and Methods**

Summarizing and analysis of data; Descriptive Statistics; Comparison of means; Correlation and Regressing analysis; Estimation of Growth Rates; An overview of Techniques used in Research- Univariate, Bivariate and Multivariate analysis; Trends Forecasting; Testing the significance of parameters.

### **Unit 4**

#### **IT Application to commerce:**

E-Commerce: Meaning and Definitions; E-Commerce, E-Business and E- Transaction; E-Commerce Vs. Traditional Commerce; Scope of E-Commerce; Basis of E-Commerce; Business Models of E-Commerce-B2B and G2B; On line Shopping and Malls; Web Advertising; Electronic Trading and marketing; Electronic payment System.

#### **IT Application to Finance:**

Electronic Transactions- Security, Digital Electronic, Digital Certificate; Encryption, Signature, Authentication and Validation of Transaction Processing; debit Cards, Credit Cards; Smart Cards, Electronic Funds Transfer, AT, On Line Banking.

**Basic Reading List**

- Sinha, P.K. (1992), Computer Fundamental, BPB Publications, New Delhi.
- Marketing Research by Kinnear and Taylor, McGrawhill.
- Gupta, S.C. and V.K. Kapoor (1983), Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
- Huda, R.P.,
- Koutsoyanis, A, An Introduction to Econometrics,
- Intrilligator, M.D. (1978), Econometric Models, Techniques and Applications, Prentice Hall, Englewood Cliffs, N.J.
- Greenstein, Marilyn and Fein Man, M. Todd, Electronic Commerce: Security, Risk Management, and Control, Tata McGraw Hill, New Delhi.

**Additional Reading List**

- Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
- Lipschultz, M.M. and S. Lipschultz (1982), Theory and Problems of Data Processing, Schum's Outline Series, McGraw Hill, New York.
- David Whiteley, E-Commerce: Strategy, Technologies and Applications, Tata McGraw Hill, New Delhi.

M.A. 2<sup>nd</sup> Semester  
Paper-205(Option-VII)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

### **Mathematical Economics-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

#### ***Preamble***

This course is designed to equip students to understand the economic concepts and theories, which use mathematical tools and techniques to refine the verbal logic. The use of calculus has permitted formulation of economic problems in multivariable mode and yield valuable insight about optimizing human behaviour. Modern algebraic tools allow convenient handling of simultaneous equations in the context of linear programming, game theory and input-output analysis.

Mathematical economics deals with various applications of mathematical tools and techniques in defining and developing economic relationship. This course has been accordingly designed to include various mathematical techniques/ methods/ models related to the different parts of economic theory like consumer theory, of production, pricing, trade cycles, growth models, etc. The paper covers important aspects of microeconomics and development theory and the various modules have been accordingly designed.

#### **Unit 1**

##### **Market Equilibrium**

Single market equilibrium – Marshallian and Walrasian equilibrium conditions; Lagged market equilibrium; Multi-market equilibrium – General equilibrium systems of Walras; Conditions of stability of equilibrium.

#### **Unit 2**

##### **Determination of Income and Fluctuations in Income**

Classical and Keynesian macro system; Static and dynamic multiplier; Determinants of investment; Accelerator; Trade cycle model of Samuelson and Hicks, Goodwin, Kelecki and Phillips; Stabilization policy.

#### **Unit 3**

##### **Growth Models**

Harrod-Domar model; Neo classical growth models – Solow and Meade, Growth models of Kaldor and Joan Robinson; Optimal growth and golden rule of accumulation; Turnpike theorem.

## Unit 4

### Game Theory

Concept of game – Two-person zero-sum game, Pay-off matrix, pure and mixed strategies, Maximin and minimax solutions, Saddle point solution; Applications of game theory.

## Unit 5

### Linear Programming and Input-output Analysis

Linear programming – Primal and dual problem; Simplex method; Applications of linear programming in economics- Input-output analysis – Open and closed systems, Hawkins-Simon condition.

#### *Basic Reading List PP*

- Allen, R.G.D. (1976), Mathematical Economics, Macmillan, London.
- Arrow, K. J. and M. Intrilligator (Eds.)(1982), Handbook of Mathematical Economics, Volumes I, II and III, North Holland, Amsterdam.
- Henderson, J. M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.

#### *Additional Reading List*

- Allen R.G.D. (1974), mathematical Analysis for Economists, Macmillan Press and ELBS, London.
- Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics, Mc Graw Hill, New York.
- Jha, R. (1991), Contemporary Macroeconomics Theory and Policy, Willey Eastern Ltd., New Delhi.
- Jones, H.g. (1976), An Introduction to the Modern Theory of Economics Growth, McGraw Hill-Kogakusha, Tokyo.
- Handley, G. (1962, Linear programming, Addison Wesley Publishing Co., Massachusetts.
- Hiller, F.S. and G.J. Lieberman (1985), Operations Research, C.B.S., New Delhi.
- Kothari, C.R. (1992), An Introduction to Operations Research, Vikas Publishing House, New Delhi.
- Mustafi, C. K. (1992), Operations Research: Methods and Practice, Wiley Eastern, New Delhi.



M.A. 2<sup>nd</sup> Semester  
Paper-205(OPTION-VIII)

Time : 3 Hrs.  
Max. Marks : 100  
External : 80  
Internal : 20

## **ECONOMICS OF REGIONALISM-II**

**Note:** Ten Questions will be set in all, two from each unit. The candidate will be required to attempt five questions, selecting one each from four units and the fifth question may be selected from any unit.

### **Unit 1**

Political Economy of Regionalism: An Overview, Regionalism in Asia and The America; the Political Economy of Currency regions; Open regionalism.

### **Unit 2**

The European Case; Systemic Sources of variation in Regional Institutionalization in Europ; East Asia and the Americas Major Power Trade floors; Regionalizing Europe Security; Regionalism or Multilateralism.

### **Unit 3**

Theories of New Regionalism; The New Regionalism: Revisited; The World Order Approach; Regionalism and World Order: The Changing Global Setting. New Regionalism and Economics Development.

### **Unit 4**

Regional Security Complex; Theory in the Post Cold War World; A regional Building Approach: Futures for new Regionalism.

### **Unit 5**

WTO and RTAs; Rules on Regional Trade Agreements; The EU, ASEAN, MURCUR, NAFTA, SAARC; Asian Economics Community; RTAs and Multilateral Trading System (MTS).

### ***Reading List***

- “The Political Economy of Regionalism”, by Edward D Mansfield, Helen V Milner; Columbia University Press, 1997.
- “Open Regionalism”, Working Paper 97-3 by C Fred Bergsten, Peterson Institute, Washington D.C. USA.
- “Regionalism or Multilateralism” of Giorgia Albertin: IMF Working Paper, 1<sup>st</sup> March 2008.
- “Theories of New Regionalism” A Palgrave Macmillan Publication, Nov 2003 Edited by Fredrick Soderbaurne and Timothy M. Shaw.
- “The Economics of International Integration”, by Peter Robson, Published by
- Regional Trade Agreement Section, WTO, Geneva, SWISS.
- WTO Multilateralising Regionalism; Challenges for the Global Trading System, Feb. 2009.
- WTO Discussion Paper No. 12, the Changing Landscape of Regional Trade Agreement, 2006.