

**CBCS , MA Economics Syllabus – 2014**

<b>FIRST SEMESTER</b>					
I	1.1	Advanced Micro Economics			
I	1.2	Advanced Macro Economics			
I	1.3	Public Economic Theory & Policy			
I	1.4	Mathematical Methods for Economists			
	1.5	Development Economics			
I	1.6	Monetary Economics			
I		<b>Electives</b>			
I	1.7.1	Agricultural Economics			
I	1.7.2	Financial Institutions & Management			
I	1.7.3	Economics of Nobel Laureates			
I	1.7.4	Economics And Law			
<b>SECOND SEMESTER</b>					
II	2.1	Indian Economics			
II	2.2	International Economics			
II	2.3	Statistical Methods for Economists			
II	2.4	Advanced Managerial Economics			
II	2.5	Indian Public Finance			
II	2.6	<b>Project Work</b> or Elective			
		<b>Electives</b>			
II	2.6.1	Agri-Business			
II	2.6.2	Economics of Labour			
II	2.6.3	Economics of Insurance			
II	2.6.4	Regional Economics			
<b>THIRD SEMESTER</b>					
III	3.1	Research Methodology			
III	3.2	Basic Computer Applications for Economics Analysis			
III	3.3	Econometrics			
III	3.4	Welfare Economics			
III	3.5	International Finance & Business			
		<b>Open Electives</b>			
III	3.6.1	Indian Economics			
III	3.6.2	Economics of Globalization			
III	3.6.3	Human Resource Development			
<b>FOURTH SEMESTER</b>					
IV	4.1	Advanced Computer Applications for Economics Analysis			
IV	4.2	Environmental Economics			
IV	4.3	Demography			
IV	4.4	Economic Planning			
IV	4.5	Urban Economics			
IV	4.6	<b>Project Work</b>			

## **CBCS, M A Economics First Semester**

### **1.1 - Advanced Microeconomics**

#### **Hard Core Paper**

#### **Module - 1: Theory of Demand and Consumer behaviour**

Recent Developments in the Theory of Demand – Linear Expenditure System Behaviour under Conditions of Uncertainty and Risk -The Revealed Preference Hypothesis – theory of uncertainty and risk- Theory of marginal preference-Lancaster's Theory

#### **Module - 2: Production and Cost Analysis.**

Production Function – Statistical Estimation of Production Function – Technology and International Competition

Economies of Scale and Economies of Scope – Learning Curves – Nature of Costs- short run cost function, long run cost curves- Economies of scale and economies of scope- Empirical Estimation of Cost Functions

#### **Module - 3: Price and Output Determination under Different Markets Imperfect Competition:**

Monopolistic Competition: Product Differentiation – Resource Allocation and Utilization under Monopolistic Competition – Selling Cost.

Oligopoly: Cournot Model – The Edgeworth Model – Chamberlin Model – The Kinked Demand Curve Model – The Centralized and Market Sharing Cartel Model – Price Leadership – Collusive Oligopoly – Oligopoly and Price Rigidity

#### **Module -4: A Critique of the Neo - Classical Theory of Firm**

The Marginalist Controversy – A Critique of Average-Cost Pricing – Baumol's Sales Revenue Maximization Model – Williamsons' Model of Managerial Discretion – Marris's Model of Managerial Enterprise – Full Cost Pricing Rule – Bain's Limit Pricing Theory and its Recent Developments – Sylos – Labini's Model – Behavioural Model of The Firm – Game Theoretic Model.

#### **Reference Books:**

- a) Koutsoyiannis (1997), **Modern Microeconomics**, Macmillan, London.
- b) Dominick Salvator, (2002) **Theory and Problems of Microeconomic Theory**, Schaum's Outline Series, McGraw-Hill Book Company, Singapore.
- c) Pindyck Robert S., and Daniel L. Rubinfeld, (2006), **Microeconomics**, Pearson Prentice Hall, New Jersey.
- d) Ahuja H.L. (2002) **Advanced Economic Theory**, S. Chand and Company, New Delhi.

## **CBCS, M A Economics First Semester**

### **1.2 - Advanced Macro Economics**

#### **Hard Core Paper**

##### **Module I: National Income Accounting**

Measurement of National Income and Macro Performance – National Income Accounts- Accounting Concepts & Identities measuring the cost of Living – GNP and Quality of life- Importance of National Income Analysis- Green accounting.

##### **Module II: Equilibrium Models**

Classical approach – Full employment equilibrium – Policy implications and critical evaluation – Keynesian Approach – Effective Demand – Consumption Function: Debate and Evidences – Investment Function- Equilibrium Income and output – Role- vance and critique of Keynesian Policies

##### **Module III Disequilibrium Models**

Time horizon – Fluctuations – Nominal and Real Rigidities and Fluctuations – Business cycle Theories – Fluctuations in the open Economy- the sticky wage Model – Sticky price Model – Imper- feet Information Inflation (Theoretical expositions) – Unemployment – Model Trade off – Policy implications – Dynamic Disequilibrium: Explaining Fluctuations with the IS – LM Model.

##### **Module IV: Open Economy Macroeconomics**

Meaning – Concepts – Identities – Mundell Fleming Model – Balance of Payments and Exchange Rate Regimes – Simultaneous Equ- Automatic Adjustment and Adjustment Policies – Policy implications and critique. (Interdependence – Interest –rate & exchange rate interdependence)

#### **References:**

1. Shapiro Edward (2004) **Macroeconomic Analysis**, Galgotia Publications Pvt Ltd, New Delhi.
2. Rudiger Dornbusch, Stanley Fisher and Richard Startz, **Macroeconomics**, Tata Mc graw- Hill Publishing Co.Ltd, New Delhi 2004.
3. Mankiw N Gregory (2003) **Macroeconomics**, Worth Publishers, New York.
4. David Romer, **Advanced Macro economics**, McGraw Hill International Edition, 2001

## **CBCS, M A Economics First Semester**

### **1.3 - Public Economics: Theory & Policy**

#### **Hard Core Paper**

#### **Module 1: Introduction**

Role of Government in organized society; changing perspective –government in a mixed economy; public and private sector, cooperation or competition; Government as a tool for operationalising the planning process; private goods, public goods, and merit goods; market failure-imperfections, decreasing costs, externalities, public goods.

#### **Module 2: Public Choice**

Public Choice and voting. Arrow's criteria for a rational voting system. Normative and positive approaches (Musgravian and Buchanan models) to public choice Group interest and group alliance. Public choice approach to bureaucracy. Directly unproductive profit-seeking (DUP activities.)

#### **Module 3: Rationale for Public Policy**

Allocation of resources – provision of public goods; voluntary exchange models; impossibility of decentralized provision of public goods (contributions of Samuelson and Musgrave); Demand-revealing schemes for Public goods; Contributions. Tiebout mode, theory of club goods; Stabilization Policy-Keynesian case for stabilization policy; uncertainty and expectations; removing distributional inequalities and regional imbalances.

Recent trends in Global Economy, Impact analysis – Recession – revival-Inflation food inflation-measures fiscal, monetary and other policies.

#### **Module 4: Public Expenditure**

Wagner's law of increasing state activities; Wiseman-Peacock hypothesis; Pure theory of public expenditure; Structure and growth of public expenditure; Criteria for public investment; Social cost-benefit analysis-Project evaluation, Estimation of costs, discount rate; Reforms in expenditure budgeting; Programme budgeting and zero base budgeting.

#### **Books for Reference**

1. Joseph E Stiglitz (2000), Economics of the Public Sector, w.w.Norton & Co., New York.
2. Atkinson.A.B.and J.E.Stiglitz (1980), Lectures on Public Economics, Tata Mc Graw Hill, New York.
3. Auerbach, A.J.Feldstern(Eds)(1985), Handbook of Public Economics, Vol.1. North Hoiland, Amesterdam.

4. Bernand, Plhyerber, Modern Public Finance.
5. Challiah R. and other, Trends and Issues in India's Federal Finance.
6. David, N.Hyman, Public Finance.
7. Due, J.F.Friedlaender, A.F.Government Finance-Economics of the Public Sector.
8. Govinda Rao, Centre-State Financial Relations.
9. Hemalata Rao, Centre-State Relations.
10. Musgrave, R.A.(1959), the theory of public finance. McGraw hill, Kogakhusa, Tokyo.
11. Musgrave, R.and P.B.Musgrave (1976), Public Finance in theory and Practive, McGraw Hill, Kogakhusa, Tokyo.
12. Hugh Dalton, Principles of Public Finance.
13. James, M.Buchanan, The Demand and Supply of Public Goods.
14. Jha,R.(1998), Modern Public Economics, Routledge, London.
15. Musgrave, R.A.(1959), the theory of Public Finance. McGraw hill. Kogakhusa, Tokyo.
16. Richard Aronson, Public Finance.
17. Robin, W. Broadway, Public Sector Economics.
18. Robert, H.Haveman. the Economics of the public sector.
19. Sreekantaradhya, B.S.Pubic Debt and Economics Development of India.
20. Sreekantaradhya, B.S.Structure and Reform of Taxation in India.
21. Thimmaiah, G.Finance Commission and Centre-State Financial Relation.
22. Government of India Report of the Twelth Finance Commission.
23. Government of India Report of the Sarkarie commission on Centre-State relations.
24. Government of India (1992), reports of the Tax Refroms Committee -Interim and Final (Chairman, Raja.J.Chellaiah).
25. Challiah.R.Fiscal Policy in under-developed countries.
26. Mundlel.S. (1999) Public Finance Policy Issues for India, Oxford University Press, New Delhi.

## CBCS, M A Economics First Semester

### 1.4 - Mathematical Methods For Economists

#### Hard Core Paper

#### Module 1: Introduction to Mathematical Methods

Importance of Mathematical methods in Economic Analysis

Revision of elementary Algebra – Equations and applications; Functions and applications;

#### Module 2: Derivatives and applications

Derivatives – Rules of derivatives, Partial derivatives, Applications of derivatives; Interpretation of derivatives as Slope, Marginal Concept – Marginal utility, Marginal Productivity, Marginal revenue, Marginal cost, Marginal propensity to consume and save, etc.

Theory of Elasticity – Price elasticity of demand, Partial elasticity of demand; Substitutes and compliments. Income elasticity of demand; Cost elasticity, Output elasticity, Elasticity of substitution.

#### Module 3: Maxima and Minima Functions

Unconstrained and constrained optimization – Necessary and sufficient conditions

Market Equilibrium – Effects of specific and advalorem taxes on price and output; Walrasian and Marshallian stability conditions.

Consumer equilibrium – derivation of ordinary and compensated demand functions.

Output, Revenue and Profit Maximization and cost minimization under perfect market

Profit maximization problems under monopoly, duopoly and oligopoly markets.

#### Module 4: Matrix Algebra

Matrix – types, simple operations on matrices, matrix inversion and rank of a matrix; Vector – its properties.

Determinants and their basic properties

Solutions to simultaneous equations through Cramer's rule.

#### Reading List

1. Hoy Micheal, John Livernois, Chirs McKenna, Ray Rees, and Thanasis Stengos (2009), Mathematics for Economics (Second Edition ), PHI Learning Private Ltd. New Delhi.
2. Mike Rosser (2003), Basic Mathematics for Economists (Second Edition), Routledge, London.
3. Bose D. (1996), An Introduction to Mathematical Economics, Himalaya Publishing House, Mumbai.

4. Veerachamy.R (2002), Quantitative Methods for Economists, New Age International Publisher, New Delhi.
5. Allen, R.G.D (1974), Mathematical Analysis for Economists, Mac Millan Press and ELBS, London.
6. Chiang, A.C.(1986), Fundamental Methods of Mathematics Economics, Mc Graw Hill, New York.
7. Yamane, Taro (1975), Mathematics for Economists, Prentice Hall of India, New Delhi.
8. Henderson & Quandt, Micro Economic Theory: A Mathematical Approach.
9. Veerachamy.R (2002) Quantitative Methods for Economists, New Age International Publisher, New Delhi.
10. Gupta.S.C (1993), Fundamentals of Applied Statistics. Chand & Sons, New Delhi.
11. Speigal, M.R(1992), Theory and Problems of Statistics, McGraw Hill Book Co., London.
12. Nagar A.L and R.K.Das(1993), Basic Statistics, Oxford University Press, New Delhi.

## **CBCS, M A Economics First Semester**

### **1.5 - Development Economics**

#### **Hard Core Paper**

#### **Module -1**

Economic Growth and Development. Measuring Economic Growth and Development, Development Gap, Rise in International inequalities. The inverted U-hypothesis, Human Development – Essential components of Human Development. Human Development Index, Gender Related Development Index, Gender Empowerment Measure, Gender Inequality Index(2011), Human Poverty Index, Links between Economic Development & Human Development, Education and Human Resource.

#### **Module-2**

Theories of Development – Classical Theories of Development – Contributions of Adam Smith, Ricardo, Malthus & James Mill, Karl-Marx and development of Capitalistic economy – Theory of Social Change, surplus value and Profit; Immutable laws of Capitalist development; Crisis in Capitalism – Schumpeter and Capitalist Development; innovation – role of credit, Profit Degeneration of Capitalism. Harrod-Domar growth model, Instability of equilibrium, Neo-classical Growth Models – Solow and Meade, Mrs.Joan Robinson's Growth model.

#### **Module-3**

Approaches to Development, Partial theories of Growth and Development, The theory of big push, balanced growth, unbalanced growth, Critical minimum effort thesis, Theories of Social and Technological Dualism, Prebisch Singer and Myrdal thesis, Lewis model of Economic Growth, Fi-Ranis model of Economic Growth

#### **Module 4 Financing Economic Development**

External resources - FDI, Foreign aid vs. trade, technology inflow, MNC activity in developing countries; Borrowings - domestic and external; Burden of borrowing - IMF and World Bank, policies in developing countries.

#### **Books for Reference**

1. Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
2. Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam.



3. Brown, M. (1966), *On the Theory and Measurement of Technical Change*, Cambridge University Press, Cambridge, Mass.
4. Chenery, H.B. et. Al. (Eds.) (1974), *Redistribution with Growth*, Oxford University Press, Oxford.
5. Chenery, H.B. and T.N. Srinivasan (Eds.) (1989), *Handbook of Development Economics*, Vols. 1 & 2, Elsevier, Amsterdam.
6. Dasgupta, P. (1993), *An Enquiry into Well-being and Destitution*, Clarendon Press, Oxford.
7. Ghatak, S. (1986), *An Introduction to Development Economics*, Allen and Unwin, London.
8. Gills, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), *Economics of Development*, (3rd Edition), W.W. Norton, New York.
9. Gimmell, N. (1987), *Surveys in Development Economics*, Blackwell, Oxford.
10. Higgins, B. (1959), *Economic Development*, W.W. Norton, New York.
11. Hogendorn, J. (1996), *Economic Development*, Addison, Wesley, New York.
12. Kahkonon, S. and M. Olson (2000), *A New Institutional Approach to Economic Development*, Vistaar.
13. Kindleberger, C.P. (1977), *Economic Development*, (3rd Edition), McGraw Hill, New York.
14. Meier, G.M. (1995), *Leading Issues in Economic Development*, (6th Edition), Oxford University Press, New Delhi.
15. Michael.P.Todaro, - *Economic Development*
16. Myint, Ha (1965), *The Economics of Underdeveloped Countries*, Preager, New York.
17. Myint, H. (1971), *Economic Theory and Underdeveloped Countries*, Oxford University Press, New York.
18. S,K,Misra & V.K.Puri, *Economics of Development and Planning*.
19. Taneja & Myer – *Economics of Development & Planning*.
20. Todaro, M.P. (1996), (6th Edition), *Economic Development*, Longman, London.
21. Thirwal, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, U.K.

## CBCS, M A Economics Second Semester

### 1.6 - Monetary Economics

#### Hard Core Paper

##### **1. Module: Money and the Economy**

Money Supply and Money Demand-Classical, Keynesian, Monetarist and Post-Keynesian views- Emergence of Monetarism-Monetarist- Analytical Framework-Transmission Mechanism-Liquidity Approach to Monetary Theory-Gurley-Shaw Thesis Implications for monetary policy.

##### **2. Module: Money, Interest and Income**

Heterogeneity of Interest Rate Determination- Neo-Classical, Keynesian and IS-LM Curve Approach – Rate of interest and investment, Income and output- Administered Interest Rates and Market Determined Interest Rates- Interest rates and Demand for Money - Implications for Monetary Management.

##### **3. Module: Money and Prices**

Interrelationship between money and Prices- Classical, Keynesian, Monetarist- and New Classical Approach: Demand Pull Theory of Inflation – Social Costs of Inflation- Inflationary Expectations – The Phillips Curve and Other factors Monetary factors and Economic Fluctuations Monetary Theories of Business Cycles

##### **4. Module: Monetary Policy**

Introduction – Goals – Targets – Indicators and Instruments – Limitations of Monetary Policy – The Time Lags in the Monetary Policy – Efficiency of Monetary Policy – Monetary Policy with informal Financial Markets – Monetary – Fiscal Co-ordination; IS-LM Curve Approach ; Significance, Opportunities and Challenges- The IMF, A World Central Bank

#### **References:**

1. Shubik Martin “The Theory of Money and Financial Institutions” (1999), Volume I and II Cambridge, the MIT Press
2. Stiglitz, Joseph E and Bruce E. Greenwald (2003), Towards a New Paradigm in Monetary Economics, Cambridge, the Cambridge University Press
3. Hajala T.N. (1998) Monetary Economics, Kanark Publishers Pvt. Limited, New Delhi
4. Suraj B. Gupta (2004) Monetary Economics; Institutions, Theory and Policy, S. Chand & Company Limited, New Delhi.

## **CBCS, M A Economics First Semester**

### **1.7.1-Agricultural Economics**

#### **Soft Core Paper**

**Module 1:** Nature and Scope – Agriculture and economic development – Difference between agriculture and industry – Farming systems – Role of Land, Labour and Capital in Farming – Farm Management concept and its significance in modern farming.

**Module:2** Theories of agricultural development – Transformation of traditional agriculture - Theories of Mellor, Boserup, Lewis, Fei-Ranis, Dale Jorgenson and Schultz.

**Module:3** Production relationships in agriculture – Laws of returns – Production functions – Factor-product, factor-factor and Product-product relationships – Cobb-Douglas production.

**Module:4** Factors determining Supply of and demand for farm products – Supply behaviour in agriculture. Features and problems of Agricultural marketing.

#### **Reference Books:**

Subba Reddy, Raghuram, Neelakanta Sastry and Bhavani Devi, Agricultural Economics, Oxford & IBH, New Delhi.

Sadhu and Singh, Fundamentals of Agricultural Economics, Himalaya Publishing House, Mumbai.

Bishop and Toussaint, Introduction to Agricultural Economic analysis, John Wiley & Sons

Goodwin, Charles, Agricultural Economics,

Singh, I.J., Elements of Farm Management Economics, East-West Press Pvt. Ltd, New Delhi.

Acharya and Agarwal, Agricultural Marketing in India, Oxford & IBH, New Delhi.

## **CBCS, M A Economics First Semester**

### **1.7.2 - FINANCIAL INSTITUTIONS AND MARKETS**

#### **Softcore Paper**

##### ***Module 1: Nature and Role of Financial System***

Money and finance - Money and near-money - Financial intermediation and financial intermediaries - The structure of the financial system - Functions of the financial sector - Indicators of financial development - Equilibrium in Financial Markets - Financial System and Economic Development - Criteria to evaluate assets: Risk and financial assets, type of risk return on assets, Risk - Return trade off - Valuation of Securities.

##### ***Module 2: Structure of Interest Rates***

Theories of interest rate determination - Level of interest rates - Long period and Short period rates - Term Structure of Interest rates - Spread between lending and deposit rates - Administered interest rates - Appropriate interest rate policy.

##### ***Module 3: The Central Bank, Commercial Banks and Monetary Policy***

Functions of Central Bank - The aims and objectives of the monetary policy in developed and developing countries - Instruments of monetary policy - Proliferation of banking and non-bank financial intermediaries - Effectiveness of monetary policy - Credit creation and its control; Profitability and efficiency of banks; Development banks - role and functions; Investment banking and merchant banking; Financial sector reforms in India.

#### ***BASIC READING LIST(Common to I and II semester)***

1. Bhole, L.M. (1999), Financial Institutions and Markets, Tata McGraw Hill Company Ltd., New Delhi.
2. Bhole, L.M. (2000), Indian Financial System, Chugh Publications, Allahabad.
3. Edminster, R.O. (1986), Financial Institutions, Markets and Management, McGraw Hill, New York.
4. Goldsmith, R.W. (1969), Financial Structure and Development, Yale, London.
5. Hanson, J.A. and S. Kathuria (Eds.) (1999), India: A Financial Sector for the Twenty-first Century, Oxford University Press, New Delhi.

6. Harket, P.T. and S.A. Zenios (2000) (Ed.), Performance of Financial Institutions, Cambridge University Press, Cambridge.
7. Johnson, H.J. (1993), Financial Institutions and Markets, McGraw Hill, New York.
8. Khan, M.Y. (1996), Indian Financial System, Tata McGraw Hill, New Delhi.
9. Machiraju, M.R. (1999), Indian Financial Systems, Vikas Publishing House, New Delhi.
10. Ohlson, J.A. (1987), The Theory of Financial Markets and Institution, North Holland, Amsterdam.
11. Prasad, K.N. (2001), Development of India's Financial System, Sarup & Sons, New Delhi.
12. Robinson, R.I. and D. Wrightman (1981), Financial Markets, McGraw Hill, London.
13. Smith, P.F. (1978), Money and Financial Intermediation: The Theory and Structure of Financial System, Prentice Hall, Englewood-Cliffs, New Jersey.

## **CBCS, M A Economics First Semester**

### **1.7.3-ECONOMICS OF NOBEL LAUREATES**

#### **Soft Core Paper**

#### **Module 1: Theory of Value, General Equilibrium, Game Theory, Welfare**

Samuelson, Paul A.-Hicks, John R.-Arrow, Kenneth J.-Debreu, Gerard G.-Allais, Maurice-Coase, Ronald H.-Nash, John R.-Harsanyi, John C.-Selten, Reinhard-

Module 2: Statics, Dynamics, Macromodels, Econometrics

Frisch, Ragner-Tinbergen, Jan-Klein, Lawrence R.-Havelmo, Trygve

#### **Module 3: Macroeconomics, Monetary Economics and Financial Economics**

Friedman, Milton-Tobin, James-Modigliani, Franco-Markowitz, Harry M-Sharpe, William R.-Miller, Merton H.-Scholes, Myron-Merton, Robert C.

#### **Module 4: Economic Development and economic Growth**

Kuznets, Simon-Schultz, Theodore W.-Lewis, Sir W. Arthur-Solow, Robert M.

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

1. Allais, M. (1943), In Quest of Economic Discipline.
2. Allais, M. (1945), Pure Economic and Social Efficiency.
3. Allais, M. (1978), Contributions to Economic Science.
4. Arrow, K.J. (1983), Collected Papers of Kenneth J. Arrow, Vols. I & II, MIT Press, Cambridge.
5. Arrow, K.J. (1951), Social Choice and Individual Values, Wiley, New York.
6. Arrow, K.J. (1971), Essays in the Theory of Risk-Bearing, Markham, Chicago.
7. Burnner, K. (1992), Ronald Coase - Old Fashioned Scholar, Scandinavian Journal of Economics, Vol. 94.
8. Coase, R. (1937), The Nature of the Firm, *Economica*, Vol. IV.
9. Coase, R. (1946), The Marginalist Controversy, *Economica*, Vol. XIII.
10. Coase, R. (1959), The Problem of Social Cost, *Journal of Law and Economics*, Vol. 2
11. Coase, R. (1968), Consumer's Surplus in *International Encyclopaedia of the Social Science*.
12. Coase, R. (1988), *The Firm, the Market and the Law*, Chicago University Press, Chicago.
13. Debreu, G.G. (1959), *Theory of Value : An Axiomatic Analysis of Economic Equilibrium*, John Wiley, New York.

14. Debreu, G.G., Existence of Competitive Equilibrium in Handbook fo Mathematical Economics, Vo. II, Edited by K.J. Arrow and M.D. Intriligator, North Holland, Amsterdam.
15. Debreu, G.G. (1981), Mathematical Economics: Twenty Papers of Gerard G. Debreu., Ed., W. Hildembrand, MIT Press, Cambridge, Mass.
16. Debreu, G.G. (1983), Economic Theory in Mathematical Mode, Nobel Lecture.
17. Harsanyi, C.J. (1982), Papers in Game Theory, Dordrecht.
18. Harsanyi, C.J. (1977), Rational Behaviour and Bargaining Equilibrium in Games and Social Situation, MIT Press, Cambridge, Mass.
19. Harsanyi, C.J. (1995), Games with Incomplete Information, The American Economic Review, Vol. 85.
20. Hicks, J.R., Collected Essays on Economic Theory, Vols. I, II and III, Basil Blackwell, Oxford, 1981, 82, 83.
21. Hicks, J.R. (1946), Value and Capital, Clarendon Press, Oxford.
22. Hicks, J.R. (1965), Capital and Growth, Clarendon Press, Oxford.
23. Hicks, J.R. (1973), Capital and Time: A Neo Austrian Theory, Clarendon Press, Oxford.
24. Nash, J.F. (1950), Equilibrium Points in n-person Games, Proceedings of the National Academy of Science of the U.S.A.
25. Nash, J.F. (1951), Non-Cooperative games, Annals of Mathematics.
  
26. Nash, J.F. (1953), Two-Person Cooperative Games, Econometrica, Vol. XXI.
27. Rubinstein, A. (1995), John Nash: The Master of Economic Modelling, Scandinavian Journal of Economics, Vol. 97.
28. Samuelson, P.A., The Collected Scientific Papers of P.A. Samuelson, Vols, I to V, 1966, 1972, 1977 and 1986, MIT Press, Cambridge, Mass.
29. Samuelson, P.A. (1947), Foundations of Economic Analysis, Harvard University Press, Cambridge, Mass.
30. Selten, R.A., and C.J. Harsanyi; A General Theory of Equilibrium Selection in Games, MIT Press, Cambridge, Mass.
31. Selten, R.A., and C.J. Harsanyi (1988), Models of Strategic Rationality: Theory and Decision Library, Series C. Game Theory, Mathematical Programming and Operations Research, Wiley, New York.
32. Yoram, B., and L.A. Kochin (1992), Ronald Coase on the Nature of Social Cost: A Key to the Problem of the Firm, Scandinavian Journal of Economics, Vol. 94.

## **CBCS, M A Economics First Semester**

### **1.7.4 - Economics and Law**

#### **Soft Core Paper**

#### **Module 1: Economic analysis of law**

Economic analysis of law, Welfare economics; compensation principles; Social welfare function; Maximization problem; nature of economic reasoning's history and criticism.

#### **Module 2: An Introduction to law and legal institutions**

The civil law and the common law traditions; kinds of law, the nature of legal dispute, how legal rules evolve.

#### **Module 3: Law relating to consumer activities**

Bargain theory; economic role of contract, economic theory of contract, remedies as incentives, formation, Tort law, Definition, economics of tort liability, Consumer-definition, consumer protection, consumer courts, various case studies.

#### **Module 4: Law of Business Organization**

Structure of firm-Kinds, Corporations, capital, shares, debentures, insiders trading, antitrust, RBI, IRDA, MRTP, Role of SEBI, Economics of merger amalgamation and takeovers.

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

1. Bouckaert, B and G.De Geest (1999) Encyclopedia of law and economics, Edward elgar publishing ltd., UK.
2. Cooter, R.D and T.S.Ulen(2002), Law and Economics, Addison Wesley, New York.
3. Newman P(1998), The new palgrave dictionary of economics and law, Stockton Press, New York.
4. Ponsler R.A and F.Parisi (1997) Law and Economics, Edward Elgar Publishing Ltd. U.K.
5. Massey I.P (1995), Administrative Law, Eastern Book Company, Lucknow.
6. Oliver J.M.(1979), Law and Economics, George Allen and Unwin, London.



## **CBCS, M A Economics Second Semester**

### **2.1 - Indian Economy**

#### **Hard Core Paper**

##### **Module 1: An overview of the Indian Economy.**

Features of Indian Economy – Indian economy on the eve of Independence – National income, savings & capital formation – sectoral composition of Indian economy – Human development status in India – Infrastructure development – Regional imbalances in development – Indian public finance – Inflation in India – FDI in India.

##### **Module 2: Planning in India**

Rationale, Objectives & features of Indian planning – planning machinery – plan formulation, execution & evaluation – planning Models, Mahalanobis & P.R. Brahmananda & C.N Vakil Model – Regional planning in India – 12<sup>th</sup> five year plan, salient features & objectives – 60 years of planning in India – planning under globalisation.

##### **Module 3: Population, poverty & unemployment**

Population explosion – trends in India's population growth – Demographic dividend – population policy. Poverty concept, measurement & magnitude – poverty alleviation programmes. Concept of unemployment, measuring Unemployment, magnitude – causes & consequences – major employment programmes – structure & emerging trends in employment.

##### **Module 4: Economic reforms in India**

Indian economy on the eve of economic reforms – objectives & features of economic reforms – Structural Adjustment Programmes & Stabilisation programmes – major reforms in Agriculture, Industry, Trade, Services, Infrastructure, banking, taxation & capital market.

#### **References**

- K.P.M. Sundaram(2008), Indian Economy, S. Chand & company Ltd, new Delhi.
- Misra S.K. & Puri V.K. (2007), Indian Economy – Its Development Experience. Himalaya publishing house, new Delhi
- Acharya Shankar (2003) , India's Economy : Some issues & answers. Academic foundation, New Delhi
- Kapila Uma, (2003), Indian Economy since Independence. Academic foundation, New Delhi.
- Kruger O Anne ed (2003). Economic Policy Reforms & Indian Economy, Oxford University press, New Delhi
- R.B.I – Report on Currency & Finance
- Government of India Economic Survey, Ministry of Finance, New Delhi  
Planning Commission – 11<sup>th</sup> five year plan, New Delhi

## CBCS, M A Economics Second Semester

### 2.2 - International Trade: Theory and Policy

#### Hardcore paper

**Module 1:** Importance of International economics: purpose of international trade theories and policies current international economic problems. Heckscher-Ohlin theory of trade: factor endowments theorem- factor price equalization (Both HOS and HO) empirical results. Factor intensity reversal, new trade theories-

**Module 2:** Economic analysis of tariffs- partial equilibrium and general equilibrium, optimum tariff and retaliation, offer curve analysis. Non tariff barriers. Quotas, voluntary restraints, dumping. Developing nation trade characteristics, trade problems of developing nations. New international economics order, GSP, economic growth strategies import substitution versus export led growth. The stopler- samuelson theorem.

Self study topics:

**Module 3:** International trade and economic development terms of trade and economic development, various terms of trade, experience of with import substitution of LDCs. Recent trade liberalization and growth in developing countries. The Rybczynski theorem immiserizing growth.

**Module 4 :** Economic integration and WTO: Multilateral trade, Regional trade and Bilateral trade policies. Regional trade- customs union, trade creation and trade diversion effects of customs union. The theory of second best, Static and dynamic benefits of regional integration. WTO and developing countries.

## **CBCS, M A Economics Second Semester**

### **2.3 - Statistical Methods for Economists**

#### **Hard Core Paper**

#### **Module 1: Data, Methods Collection and Presentation**

Basic concepts, population, sample, sampling vs. population, variable, parameter, primary and secondary data.

Techniques of data collection.

Sampling – random and non-random sampling; Simple random ; stratified random and p.p.s sampling.

Frequency Distribution, Cumulative Frequency

Tabular, Graphic and diagrammatic representation of data.

#### **Module 2: Measure of central tendency:**

Measures of central tendency : Mean, Median, Mode, Geometric mean and Harmonic mean.

Measures of dispersion; Range, Quartile deviation, Mean Deviation, Standard Deviation,

Coefficient of variation,

Skewness and Kurtosis.

#### **Module 3: Correlation and Regression Analysis**

Correlation: Co-efficient of correlation – Karl Pearson and Rank Correlation, Partial and Multiple Correlation Analysis.

Regression analysis – Estimation of regression line in a bivariate distribution – Least squares methods, interpretation of regression coefficients.

#### **Module 4: Time Series Analysis and Index Numbers**

Time series analysis – Concept and components – determination of regular trend and seasonal indices.

Index numbers – Concept, price relative, quantity relative, value relative; Laspeyer's Paasche's and Fisher, Family budget method; Problems in the construction and limitations of index number, Tests for ideal index number.

#### **Module 5: Statistical Inference and Hypothesis Testing**

Statistical Inferences and Hypothesis Testing – Concept of an estimator; Desirable properties of an estimator;

Hypothesis –Formulation of statistical hypotheses – Null and alternative; goodness of fit; Confidence intervals and level of significance; Hypothesis testing based on Z, t,  $\chi^2$ (Chi-square) and F test; Type 1 and Type 2 errors.

## **Reading List**

1. Veerachamy.R (2002), Quantitative Methods for Economists, New Age International Publisher, New Delhi.
2. Gupta.S.C.(1993), Fundamentals of Applied Statistics. Chand & Sons, New Delhi.
3. Speigal,.M.R (1992), Theory and Problems of Statistics, Mc Graw Hill Books Co., London.
4. Nagar A.L. and R.K.Das (1993), Basic Statistics, Oxford University Press, New Delhi.

## **CBCS, M A Economics Fourth Semester**

### **2.4 - Managerial Economics**

#### **Hardcore paper**

**Module 1:** Role of Managerial Economists, significance of managerial economics, Firm organization: sole proprietorship, partnership, Joint Stock Company, corporation, co-operatives. Theory of firm; profit maximization, baumol's sales revenue maximization model, managerial utility model- Williamson model, marries model of managerial enterprises: Behavioral theories; Simons sati facing model, Cyert and march's behavioral theory of the firm.

**Module 2:** Demand forecasting: purpose of forecasting demand, determining scope of forecasting, methods of demand forecasting survey method, statistical method.

**Module 3:** Price practices and strategies

Cost oriented pricing, cost-plus pricing marginal cost pricing rate of return and competition oriented pricing, going rate pricing, profit policy, planning and forecasting. Break-even analysis planning for profit.

**Module 4** Capital budgeting

Meaning and importance of capital budgeting, benefit and cost analysis, steps for capital project evaluation, modern techniques for investment appraisal

## **CBCS, M A Economics Third Semester**

### **2.5 – Indian Public Finance**

#### **Hard Core Paper**

#### **Chapter-I : INTRODUCTION**

Nature and Scope of Public Finance – Indian Federal Finance – Historical Background - The Meston Award – The Government of India Act 1935 – Neiymer Award – Deshmuk Award – Financial Federalism under the constitution – Division and Distribution of Function and Revenue Between Centre and State Governments – Role of Finance Commission

#### **Chapter – II : INDIAN TAX SYSTEM :**

Taxation and Economic Development – Direct Taxes (All to be discussed) and Indirect Taxes (All to be Discussed) of both the Center and the States – recent Reforms in Direct and Indirect Taxes

#### **Chapter –III : BUDGET**

Meaning of Budget – Importance of revenue Budget and Capital Budget – Trends in Central Government Budget – Trends in State Government Budget with Special reference to Karnataka – Deficit Financing in India – Revenue Deficit – Budget Deficit – Fiscal Deficit – Primary Deficit – Effects of Deficit Financing – Analysis of Latest Budgets of Government of India and Government of Karnataka.

#### **Chapter – IV : FISCAL FEDERALISM**

Principles of Multi-unit Finance – Fiscal Federalism in India – Vertical and Horizontal Imbalance – Assignment of Function and Sources of Revenue – Constitutional Provisions – Finance Commission and Planning Commission – Devolution of Resources and grants – Resource Transfer from Union to States – Criteria for Transfer of Resources – Centre – State Financial Relations in India – Problems of States' Resources and Indebtedness – Transfer of Resources from Union and States to Local Bodies.

#### **References :**

1. David N. Hyuan (2005), Public Finance: A Contemporary Application of Theory, Thousom South Western, Ohio, USA
2. Musgrave.R.A. (1959), The Theory of Public Finance, Mc Graw Hill. Kogakhusa, Tokio.
3. Anderson, John.E (2003)Public Finance: Principles and Policy, Houghton Mifflin Company, Boston.

## CBCS, M A Economics Second Semester

### 2.6.1 - AGRI-BUSINESS

#### Soft Core Paper

#### Module 1: Agricultural Price Policy

Agriculture versus Agri-business – Meaning, nature and Scope of Agri-Business – Importance of Agric-business in agricultural development – Marketing: Marketing Efficiency, Marketing and pricing of agricultural inputs and outputs, price fluctuations and their cost, regulated Markets, Marketed and Marketable Surplus – Agricultural Prices in India: Objectives and Performance – Warehousing of Agricultural Produce in India –Crop Insurance in Indian Agriculture – Food Security in India – Public Distribution System in India.

#### Module 2: Diversification of Indian Agriculture

White Revolution in India – Fishery, Poultry, Forestry, Horticulture and Floriculture – Rural Industrialization: Problems and Prospects – Agro-based industries in India – Crop Insurance: Advantages and Limitations in application – Green Revolution in India.

#### Module 3: Agricultural Finance and Sustainable Agriculture

Rural Finance: Characteristics, Sources of Rural Credit – Role of NABARD in Agriculture Development – rural Cooperative Credit System – Sustainable Agriculture: Introduction, definition, goal and current concepts – Organic farming: definition, Principles, components and relevance in present context.

#### Reference

1. Gail L.Cramer, Clarence W Jensen, Douglas D .Southgate, Agricultural Economics Wiley, 2001.
2. Darren Hudson, Agricultural Markets and Prices, Blackwell Publishing 2006.
3. George W.Norton, Jeffrey Alwang, William A Masters, The Economics of Agricultural Development, Routledge, an imprint of Taylor & Francis books Ltd, 2006.
4. John B Penson.Jr., Oral Capps Jr., C.Parr Rosson, Ricahrd Woodward, Introduction to Agricultural Economics, Prentice Hall, 2009.
5. Jules N.Pretty (Ed.), Earthscan Reader in Sustainable Agriculture, Earthscan Publications Ltd, 2005.
6. Ronald A.Schrimper, Economics of Agricultural Markets, Prentice Hall, 2000.
7. Douglas Southgate, Douglas H.Graham, Kuther Tweeten, The World Food Economy, Blackwell Publishing, 2006.
8. Kym Anderson, Will Martin (Eds)., Agricultural Trade Reform and the Doha Development Agenda, World Bank, 2010.
9. Kym Anderson, Tim Josling (Eds.), The WTO and Agriculture, Edward Elgar, 2005.

10. Pranab Bardhan, *Economic Theory of Agrarian Institutions*, Oxford University Press, 1991.
11. C.S.Barnard, John Nix, *Farm Planning and Control*, Cambridge University Press, 1980.
12. Kathleen P.Bell, Kevin J.Boyle, Jonathan Rubin (Eds.) *The Economics of Rural Landuse Change*, Ashgate, 2006.
13. Saturnino M.Borras Jr., Cristobal Kay, Edward Lahiff(Eds.), *Market-led Agrarian Reform*, Routledge, 2008.



## CBCS, M A Economics Second Semester

### 2.6.2 - Labour Economics

#### Soft Core Paper

#### Module 1: Introduction to Indian Labour Market

Features of Indian labour market- size & composition of organised unorganised labour – Labour supply in India - Demand for labour in India – Major issues in the Indian Labour market – labour absenteeism & labour turnover – labour productivity in India – Labour migration & mobility, Women & child labour in India – demographic dividend – globalisation impact on Indian labour market – sources of labour statistics in India.

#### Module 2: Employment & wage policy in India

Employment scenario– emerging trends in employment – features, types & magnitude of unemployment – state policy for employment generation – minimum wages – criteria for fixing minimum wages – implications of minimum wages – wage structure – bonus-dearness allowance – wage determination the role of wage boards – feasibility of National wage policy.

#### Module 3: Labour management in public & private Sector

Protection of organised & unorganised labour – second national commission on labour – managing labour sector reforms & restructuring – exit policy & safety net – workers participation in management– Objectives of labour management in corporate sector — Human resource planning, job analysis, recruitment, selection & induction, Labour mobility, Motivation, job satisfaction, fringe benefits – managing labour in a competitive world.

#### References

- Sharma A.V, (1999), Aspect of Labour Welfare & Social Security, Himalaya publications, house, New Delhi
- Mittal A.C & Sanjay Prakash Sharma (2005), Labour Economics, RSBA Jaypur
- Bhagoliwal T.N (1998), Economics of Labour & Industrial Relations, Sahitya Bhavan Agra.
- Hajela P.D, Labour Restructuring in India- A critique if New Economics policies, common wealth publications, new Delhi.
- Mamorina C.B, Labour Problems & Social Welfare kitab mahal, Allahabad
- Papola T.S, P.P Ghosh and A.L. Sharma (1993) , labour Employment & industrial Relations in India, B.R publications New Delhi
- Rajendra K. Sharma, Industrial Labour in India, Atlantic Publishers New Delhi
- Venkata Rathnam C.S. (2001), Globalisation & labour management relations : Dynamics of change , Sage publications New Delhi.
- P.Subbarao, (2005) Essentials of Human Resource management & Industrial Relations, Himalaya publishing New Delhi

## **CBCS, M A Economics Second Semester**

### **2.6.3 - Economics of Insurance**

#### **Soft Core Paper**

#### **Module 1: Economic analysis of Insurance**

Economic security, Human quest for economic security through time: Definition of insurance; Risk pooling and risk transfer; social Vs. private insurance; Life vs. Non-life insurance; Classification of life, health and general insurance policies.

#### **Module 2: Risk and Risk Management**

Fundamentals of uncertainty and risk; nature and source of risk, concept of risk, classification of risk-pure risk and speculative risk, demand for insurance, moral hazard and insurance demand, concept of risk management, Reinsurance, fundamentals of reinsurance, types of reinsurance;

#### **Module 3: Insurance and Economic Development**

Risk management and insurance in economic development, insurance institutions as financial intermediaries; Insurance institutions as investment institutions, insurance institutions in Indian capital market.

#### **Module 4: Essentials of life and health insurance**

Fundamentals of life and health insurance, functions of life and health insurance; mathematical basis of life insurance; Health Insurance and economic development

**CBCS, M A Economics Second Semester**  
**2.6.4 - Regional Economics**

**Soft Core Paper**

**Module : 1 Conceptual Basis of Regional Planning :**

Nature, Scope, rationale and objectives of Regional Economics, Interaction between national and regional economic development. National goals for regional policy. Consistency between national and regional objectives. Need for regional planning.

**Module : 2**

Concept of region, regionalization, delineation of regions, Concept of backward or depressed region. Characteristics of Backwardness, indicators and measure of backwardness or development. Typology, dimension and nature of backwardness.

## **CBCS, M A Economics Third Semester**

### **3.1 - Research Methodology**

#### **Hard Core Paper**

#### **Module-1: Foundations of Research**

Research- Meaning and Characteristics- Social Science Research- Objectives- Review of Literature- Reference

#### **Module-2: Types and Methods of Research**

Classification of Research- Pure and Applied Research- Exploratory, Descriptive, Diagnostic, Evaluation and Experimental Research Statistical Methods- Historical Research- Surveys- Case Study- Field Study-

#### **Module-3: Planning of Research and Sampling Theory**

Identification of Research problem- Hypothesis- Concepts- Research Plan- Sample Design- Sampling Techniques.

#### **Module-4: Report Writing**

Types of Reports- Research Report Format- Documentation: Footnotes and Bibliography- Writing the Report- Presentation.

#### **Text Books:**

1. Krishnaswamy O.R (2002) Research Methodology in Social Science, Himalaya Publishing House, Bombay
2. Kurian C.T.(1984) Research Methodology in Economics, Institute of Development studies, madras.
3. Kothari . Research Methodology

## **CBCS MA ECONOMICS THIRD SEMESTER**

### **3.2 - Computer Applications in Economic Analysis**

#### **Hard Core Paper**

#### **Module 1 : Introduction to Computers and Peripherals**

Basic components of computer – CPU, Input-Output devices, Keyboard, Mouse and Scanner, Video Display, Printers and Plotters, data storage and retrieval, hard disk, floppy disk and CD-ROM.

Type of computers and their applications; Computer networking and resource sharing, hardware, software and firmware.

#### **Module 2: The Nature and Source of Data (Economic and Financial), Data Processing, Techniques.**

Concept of data, record and file;

Types of data (Time Series, Cross Sectional and Pooled) Structures, data analysis and accuracy of data.

File Handling and operations like opening, appending and cascading, closing and attribute control;

Data Storage and retrieval; Data operations; Algorithms like sorting, merging, joining and bifurcation;

Database concepts and operation on database; DBMS and RDBMS.

#### **Module 3: Statistical Processing Techniques and Methods**

a.Series b.Arithmetic Progression c.Geometric Progression and d. Divergent and Convergent Series.

Time and frequency series, regression methods and techniques; Regression analysis; Data Validation; Trends and cycle forecasting and Trend Analysis – Economic Applications of growth and planning.

System equation: Specification; Error and correction strategies, Statistical modeling and descriptive statistics with test of significance; Distribution functions, Regression statistics.

## **CBCS, M A Economics Third Semester**

### **3.3 - ECONOMETRICS**

#### **Hard Core Paper**

##### **Module 1: Basic Econometrics**

Nature, meaning and scope of econometrics; Simple and general linear regression model - Assumptions, Estimation (through OLS approach) and properties of estimators; Gauss-Markov theorem; Concepts and derivation of R<sup>2</sup> and adjusted R<sup>2</sup>; Concept and analysis of variance approach and its application in regression analysis; Estimation of non-linear equations - parabolic, exponential, geometric, hyperbolic, modified exponential; Gompertz and logistic functions.

##### **Module 2: Problems in Regression Analysis**

Nature, test, consequences and remedial steps of problems of heteroscedasticity; Multicollinearity and auto-correlation; Problems of specification error; Errors of measurement.

##### **Module 3: Regressions with Qualitative Independent Variables**

Dummy variable technique - Testing structural stability of regression models comparing to regressions, interaction effects, seasonal analysis, piecewise linear regression, use of dummy variables, regression with dummy dependent variables; The LPM, Logit, Probit and Tobit models - Applications.

##### **Module 4: Dynamic Econometric Model**

Autoregressive and distributed lag models - Koyak model, Partial adjustment model, adaptive expectations; Instrumental variables; Problem of auto-correlation - Application; Almon approach to distributed-lag models; Error correlation mechanism, Causality test, Granger test and Sim's test.

#### **BASIC READING LIST(Common to III and IV semester)**

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Dougherty, C. (1992), Introduction to Econometrics, Oxford University Press, New York.
4. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.

5. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
6. Hill R.C., E.G. William and G.G. Judge (1997), Undergraduate Econometrics, Wiley, New York.
7. Kennedy, P. (1998), A Guide to Econometrics (4th Edition), MIT Press, New York.
8. Kmenta, J. (1997), Elements of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
9. Krishna, K.L. (Ed.) (1997), Econometric Applications in India, Oxford University Press, New Delhi.
10. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols.), Aldershot U.K.
11. Theil, H. (1981), Introduction to Econometrics, Prentice Hall of India, New Delhi.

## CBCS, M A Economics Third Semester

### 3.4 - Welfare Economics

#### Hard Core paper

#### Module - 1: General Equilibrium Theory

Walrasian Excess Demand and Input – Output Approaches to General Equilibrium – Existence, Uniqueness and Stability of Equilibrium.

##### Two-Sector Model –

Static Properties of General Equilibrium State: Equilibrium of Production and Equilibrium of Consumption – Simultaneous Equilibrium - General Equilibrium and Allocation of Resources – Prices of Commodities and Factors – Factor Ownership and Income Distribution.

Relationship between Relative Commodity and Factor Prices (Stolper-Somuelson Theorem) – Relationship between Output Mix and Real Factor Prices, Effect of Changes in Factor Supply in closed Economy (Rybezynty Theorem) – Production and Consumption

#### Module 2: Paretian Welfare Economics

Pareto optimality – Optimum exchange conditions, The production optimum, The consumption optimum; Concept of contract curve; Top level optimum; Infinite number of non-comparable optima vs. unique social optimum; Compensation criteria– Contributions of Barone, Kaldor and Hicks; The Scitovsky double criterion; Concept of community indifference map, Samuelson's utility possibility curve; Value judgments and welfare economics; Bergson's social welfare function, Arrow's impossibility theorem. Welfare and General Equilibrium – Pareto-Optimality and Market Equilibrium

#### Module 3: Choice Theory:

Theory of Public Choice and Policy implications of Public Choice Theory.

Divergence between private and social costs; Problems of non-market interdependence; Externalities of production and consumption; External economies and diseconomies; Problem of public goods; Pigovian welfare economics; Second best optima; Marginal cost pricing; Cost-benefit analysis; Interdependent utilities; Attempts to develop dynamic welfare analysis.

- Sen's Contributions to Welfare Economics – Collective Choice and Social Welfare-Social Choice and Political decision Making.

#### Reference Books:

1. Arrow, K. J. (1951), **Social choice and Individual Values**, Yale University Press, New Haven.
2. Baumol, W. J. (1965), **Welfare Economics and the Theory of the State** (Second Edition) Longmans, London.



3. Baumol, W. J. (Ed.) (2001), **Welfare Economics**, Edward Elgar Publishing Ltd. U.K.
4. Myint, H. (1948), **Welfare Economics**, Macmillan, London.
5. Nicholas, B. (Ed.) (2001), **Economic Theory and the Welfare state**, Edward Elgar Publishing Ltd., U. K.
6. Pigou, A. C. (1962), **The Economics of Welfare** (4th Edition) Macmillan.
7. Koutsoyiannis (1997), **Modern Microeconomics**, Macmillan, London.
8. Dominick Salvator, (2002) **Microeconomics Theory and Applications** Oxford University Press, New York, 2003.

## **CBCS, M A Economics Third Semester**

### **3.5 - International Finance and Business**

#### **Hard Core paper**

**Module 1:** International capital flows: Portfolio investment and direct foreign investment, effects of investment and host countries. Multinational corporation- advantages and disadvantages, global economy economic policy in an open economy. Transitional faces of world Economy.

**Module 2:** Foreign exchange market; functions, foreign exchange rates- spot and forward rate, currency swaps, foreign exchange risks, hedging and speculation. Euro currency market. Purchasing power parity- exchange rate dynamics, Managed floating rates, stability of foreign exchange market, optimum currency area.

**Module 3:** Income adjustment, Income determinants in a small economy. Monetary adjustments methods of correction monetary, cyclical structural and secular types of disequilibrium balance of payment adjustment, elasticity and income absorption approach, problem of balance of payments.

#### **Module 4: Multilateral Financial Markets**

Global Finance – Traditional Trade Finance, International Banking, Global Financial Centers. Global Trade and Business organization, Trade imbalances in the modern global Economy.

#### **References**

1. Dominick Salvatore: International economics, John wiley and sons
2. Robert J Carbaugh: International economics, Thomson- south western
3. MIA Mikic: International trade, Macmillan press LTD.
4. Thomas J. O' Brien, Global Financial Management

**CBCS, M A Economics Third Semester (Open Elective)**  
**3.6.1 - INDIAN ECONOMY**

**MODULE – 1: ECONOMIC DEVELOPMENT AND ITS DETERMINANTS**

Approaches to economic development and its measurement – sustainable development; Role of State, Market and other institutions; Indicators of development – PQLI, Human Development Index (HDI), gender development indices

**MODULE-2: DEMOGRAPHIC FEATURES, POVERTY AND INEQUALITY**

Broad demographic features of Indian Population- Rural-urban migration; Urbanization and civic amenities; Poverty and inequality

**MODULE-3: PLANNING IN INDIA**

Objectives and Strategy of planning – failures and achievements of plans – developing grassroots organizations – Panchayats, NGOs and pressure groups.

**BOOKS FOR REFERENCE**

- Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), Indian's Economic Reforms and Development (Essays in Honour of Manmohan Singh), Oxford University Press, New Delhi.
- Bardhan, P.K. (9<sup>th</sup> Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
- Bawa R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University, Amritsar.

## **CBCS, M A Economics Third Semester(Open Elective)**

### **3.6.2 - Economics of Globalization**

#### **Soft Core Paper**

##### **Module 1 Introduction to Globalisation**

Concept and definition – Evolution – objectives – why globalisation? – process , dimensions and features – How to measure the extent of globalisation? – Advantages and disadvantages – gainers and losers of globalisation.

##### **Module 2 International Trade and Technology Transfer**

World Trade Scenario since globalisation – composition, direction and trends in global trade – Features of trade liberalisation – Regional Trade Blocks – Trade between developed and developing nations – WTO and its objectives – Technology transfer and its implications.

##### **Module 3 International Financial Flows**

Foreign Direct Investment, its composition, direction and trends – factors determining FDI, - Benefits and costs – MNCs as means of global capital flows – portfolio investment – Official Development Assistance- Remittances from abroad-International Commercial borrowings – financial crises in MDCs and their implications for developing nations.

#### **References**

- 1 Yusuf Shahid, Simon Everert and Weiping W.U. (ed)2001  
Facets of globalisation: International and Local Dimensions of Development, The World Bank, Washington DC
- 2 Stiglitz Joseph. E (2002) Globalisation and its Discontents-  
W.W. Norton and company New York
- 3 Goldin Ian and Kenneth Reinert (2006) Globalisation for Development  
World Bank and Palgrave Macmillan, Washington DC
- 4 Petras James and Henry Vitmeyer (2001) Globalisation Unmasked Madhyam books  
Delhi.
- 5 Bhagawathi Jagadish (2004) In Defence of Globalisation Oxford University press New  
Delhi.
- 6 Singh Karlijit (1998) Globalisation of Finance Madhyam books New Delhi.
- 7 Razin and Sadka – the Economics of Globalization-policy perspective from Public  
Economics; 2010
- 8 Backer, Epstein and Pollin- Globalization and Progressive Economic Policy-2009.

## **CBCS, M A Economics Third Semester (Open Elective)**

### **3.6.3 - Human Resource Development**

**Module 1** Nature of Human Resource Management, Need for H.R.M. Approach, Human Resources approaches, process of Human Resources management, HRM and HRD.

**Module 2** Human Capital Formation, indicators, problems and Issues, Human Capital formation in less developed countries, Human development index. Human Resources Planning and Man Power planning.

**Module 3:** Human Relations: Nature, objectives, Determinants; perception income group behaviors

Approaches to Human relations, values, concepts of Human relations approach - performance appraisal in H.R.M. purpose and methods.

**Module 4:** Human Resources Management: Recruitment and sources, Methods, Selection procedure: absenteeism, labour turnover, employees training, steps; rewards and incentives – Determinants and types; motivation – types, methods of increasing motivation, theories (Traditional and Modern),

#### **BASIC READING LIST:**

1. Willam B.Werther : Human Resources and Personnel Management, Mc.Graw Hill
2. Dwivedi R.S. : Human Relations and Organizational Behaviors-Global perspective, Mac, Millan India.
3. Michael, V.P. : Human Resources Management and Human Relations, Himalaya Publishing House.
4. Subba Rao.P. : Essentials of Human Resources Management and Industrial Relations, Himalaya Publishing House.
5. Rao T.V. Et.al. : Alternative approaches and strategy of human resources development
6. Bhagolowal T.N. : Personnel Management and Industrial Relations, Sahitya Bhawan.
7. 8. A.M. : Personnel and Human Resources Management, Himalaya Publication.
9. Mamoria C.B. : Personnel Management, Himalaya Publishing House.

## **CBCS, M A Economics Fourth Semester**

### **4.1 Computer Applications in Economics**

#### **Hard Core Paper**

##### **Module 1: Review of Multivariate models:**

Simultaneous Equations models and Estimation of Recursive and Analysis Qualitative data: ANOVA, ANCOVA Etc.

##### **Module 2: Multivariate Statistical analysis: Multiple Correlation, Canonical Correlation and Multiple regression.**

Factor analysis, Cluster analysis, discriminate analysis etc.,  
Application of Excel, SPSS and LIMDEP for statistical and econometric analysis.  
Database in Indian Economy: Census, SCO, NSSO, CMIF etc.,

##### **Module 3: IT Application to Finance**

Online banking: ATMS Electronic Stock Exchange; Electronic trading;  
Data sharing and decimation; Electronic transaction; Document delivery; Authentication and validation transaction processing.

##### **Module 4; Its Application to Commerce**

Electronic trading and marketing  
Online shopping and malls B2B, B2C, B2B and G2B models and their applications;  
Document and transaction security and digital signature;  
Integrated transaction on mobile platforms.

## **CBCS, M A Economics Fourth Semester**

### **4.2 - ENVIRONMENTAL ECONOMICS**

#### **Hard Core Paper**

##### **Module 1: Introduction to Environmental Economics**

Economics of Environment; Systems approach; Thermo-dynamic principles and environment; externalities and market inefficiency – externalities as missing market links; property rights and externalities; Problem of Social cost.

Global environmental externalities; Climate change – Economic and Social Impacts; environmental Pollution and impacts.

##### **Module 2: Economics of Natural Resource Management**

Economics of Natural Resources

Theories of Optimal Use of exhaustible and renewable resources;

Common property resources – Tragedy of Commons;

##### **Module 3: Economic Valuation of Environment**

Total Economic Value – Use value, Option value, and non-use values;

Valuation methods – direct and Indirect methods of Valuation (Contingent valuation method, Travel Cost method, Hedonic price method),

##### **Module 4: Environmental Policy Instruments**

Internalizing Environmental externalities – Pigouvian taxes and subsidies; Coase's bargaining solution and collective action;

Tradable pollution permits and international carbon tax,

Environmental institutions.

#### **Reading List**

1. Baumol, W.J. and W.E. Oates (1988), The Theory of Environmental Policy, (2<sup>nd</sup> Edition), Cambridge University Press, Cambridge.
2. Bromely, D.W. (Ed) (1935), Handbook of Environmental Economics, Blackwell, London.
3. Common Michael and Silgrid Stagl (2005), Ecological Economics, Cambridge University Press, Cambridge, U.K.
4. Fisher, C. (1981), Resource and Environmental Economics, Cambridge University Press, Cambridge.
5. Hanley, N., J.F. Shogren and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
6. Hussen, A.M. (1999), Principles of Environmental Economics, Routledge, London.

7. Jeroen, C.J.M.van den Bergh (1999), Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd., U.K.
8. Kolstad, Charles D.(2000), Environmental Economics, Oxford University Press, Oxford.
9. Pearce, D.W.and R.Turner (1991), Economics of Natural Resource Use and Environment, John Hopkins University Press, Baltimore.
10. Perman, R.Ma and J.McGilvary (1996), Natural Resource and Environmental Economics, Longman, London.
11. Rabindra N Bhattacharya (2001), Environmental Economics – An Indian Perspective, Oxford University Press, New Delhi.
12. Sankar, U.(Ed) (2001), Environmental Economics, Oxford University Press, New Delhi.
13. Tietenberg, T. (1994), Environmental Economics and Policy, Harper Collins, New York.



## **CBCS, M A Economics Fourth Semester**

### **4.3 - DEMOGRAPHY**

#### **Hard Core Paper**

#### **MODULE-1 : INTRODUCTION**

Meaning and Scope of Demography – Population Studies and Demography – Relation with other Disciplines – Size, Composition and Distribution of Population – Demographic Data Base in India: Census.

#### **MODULE-2 : THEORIES OF POPULATION**

Malthusian Theory – Post Malthusian Theories- Marx ideas on Population – Optimum Theory of Population – Theory of Demographic Transition.

#### **MODULE-3 : FERTILITY, MORTALITY AND MIGRATION**

Fertility – Differential Fertility – Measurement of Fertility – Factors Influencing Fertility – Fertility levels and Trends in Developed and Developing Countries – Fertility in India – Mortality – Measurement of Mortality – Mortality levels and Trends in Developed and Developing Countries – Declining Trends in Fertility and Mortality – the Reasons – Infant Mortality – Life Table – Migration – Concept and Types – Factors Affecting Migration – Theories of Migration.

#### **MODULE-4 : STRUCTURE OF POPULATION AND POPULATION POLICY**

Population Trends in 20<sup>th</sup> Century – Population Explosion – Age and Sex Structure – Urbanization – Rural – Urban Population – Population – Development – Environment Linkages – Population Policy – Meaning and Importance.

## **CBCS, M A Economics Fourth Semester**

### **4.4 - ECONOMIC PLANNING**

#### **Hard Core Paper**

#### **MODULE-1 : INTRODUCTION TO PLANNING**

Meaning and Importance of Economic Planning –Distinction between Planned and Market Economies – Need for Planning in a Globalized Economy – Techniques of Planning – Various steps in aggregate Planning-Input-Output Analysis-Linear Programming-Cost Benefit Analysis and Project Evaluation- Choice of Techniques.

#### **MODULE-2 : PLANNING IN INDIA**

The Emergence of Planning in India-Goals and Strategies of Indian Planning Mahalanobis Model and Vakil and Brahmananda's Wage-Goods Model – Instruments of Planning: Direct and Indirect Controls. Five Year Plans in India, Planning Machinery at the Centre, State and Local levels - Problems of Plan Implementation.

#### **MODULE-3 : MOBILISATION AND ALLOCATION OF RESOURCES FOR THE PLANS**

Methods and Sources of Resource mobilization: Their Merits and Demerits – Pattern of Financing under Five Year Planning – Allocation among Various Sectors – A critical Appraisal of the Resource Mobilization and Allocation Methods.

#### **MODULE-4 : SECTORAL PLANNING**

Need for Sectoral Planning-Strategy, Progress and Appraisal of Agricultural and Industrial Development under Plans-Poverty and Planning-Unemployment in India – (Human Resource Development) HRD and Population Policy-regional Imbalance-Planning for Infrastructure Development in the Indian Economy.

## **CBCS, M A Economics Fourth Semester**

### **4.5 - URBAN ECONOMICS**

#### **Hardcore Paper**

##### **Module-1 : The Process of Urbanization**

1. Definition of Urban Area-causes of urbanization
2. Theories of urban structure and urban growth-Concentric Zone Theory-Central Place Theory-Urban base theory
3. Features of Urbanization in Developing Countries.

##### **Module-2 : Problems of Urbanization**

1. Urban Transportation
2. Slums, Housing and Urban Renewal
3. Urban Water Supply and Public Health
4. Urban Financial Problems.

##### **Module-3 : Urbanization in India**

1. 21<sup>st</sup> Century Urbanization in India –Growth of Urban Population
2. Urbanization without labour absorption in India.

##### **Module-4 : Urban Development Policy in India**

1. Policies and Programmes under the Plans-Integrated Development of small and medium towns.
2. Urban development and Housing Policy
3. Measure to control urban growth-Decentralization of industry-Growth Centres – Satellite towns.

##### **Reference Books :**

1. Briance A and Ravinder Singh, (edited) (1995) Housing the Urban Poor, Policy and Practice in Developing Countries, (Sage Publications, New Delhi).
2. Fred Durr, The Urban Economy (London, Index Educational Publishers) 1971.
3. Harris Tondon (1973), Introduction to Urban Economic Analysis and Policy 9New York)
4. Lolyd Rdown and Assocaites (1969). Planning Urban growth and Regional Development (London :M.T.Press)
5. Mark Garrett, (1996) Transportation Planning (Sage Publications, New Delhi)

