

**Veer Narmad South Gujarat University,
Surat.**

Master of Arts (Economics)

CHOICE BASED CREDIT SYSTEM [CBCS]

SYLLABUS

(Effective from June, 2010)

**DEPARTMENT OF ECONOMICS
VEER NARMAD SOUTH GUJARAT UNIVERSITY
SURAT**

MAIN FEATURES:

(i) The programme is a two-year Four Semester Programme		
(ii) Number of Compulsory papers	(CC)	(12) (48 credits)
(iii) Number of Electives	(EC)	(4) (16 credits)
(iv) Intra-Disciplinary / Multi-Disciplinary	(ID/MD)	(4) (16 credits)
(v) Skill Oriented Modules	(SOC)	(4) (08 credits)
(vi) Total Credits		(88 Credits)

THE EVALUATION WILL BE BASED ON

(1) The External Examinations

(2) Internal Examination

The External Examination will be of 70 marks of each course & internal examination will be of 30 marks. The external examination will be for three hours.

TERM PAPER:

In each semester there is a one 'term paper' of two credits as a part of **Skill Oriented Course** [SOC].

THE GENERAL GUIDELINE FOR THE TERM PAPER IS OUTLINED HERE:

The term papers will be submitted by each student at the end of each semester. The maximum size of the term paper will be 20 pages. It will be based on short field work and also on secondary data. Each Post Graduate centre will decide the titles of term paper for their students. There will be Presentation / Group discussion / Viva of the paper and the students will be evaluated for 100 marks for each term paper based on the written work as well as Presentation / Group discussion / Viva. The respective centers will send the evaluated report to the examination section.

THE DETAILS OF THE PROGRAMME ARE AS FOLLOWS.

SEMESTER – I			
NO.	COURSE CODE	NAME OF THE COURSE	CREDITS
1	CC -01	MICROECONOMICS -1	4
2	CC- 02	MACROECONOMICS	4
3	CC- 03	QUANTITATIVE METHODS FOR ECONOMICS - 1	4
4	EC- 01	H.R.-1/AGR.-1/IND.-1/ECONOMETRICS - 1	4
5	ID- 01	FUNDAMENTALS OF ACCOUNTANCY / INDIAN POLITICAL SYSTEM	4
6	SOC- 01	TERM PAPER - 1	2
TOTAL			22
SEMESTER II			
1	CC- 04	MICROECONOMICS - 2	4
2	CC- 05	PUBLIC ECONOMICS	4
3	CC- 06	QUANTITATIVE METHODS FOR ECONOMICS - 2	4
4	EC- 02	H.R.-2/AGR.-2/IND.-2/ECONOMETRICS - 2	4
5	ID- 02	AGRIBUSINESS / RESEARCH METHODOLOGY	4
6	SOC-02	TERM PAPER - 2	2
TOTAL			22
SEMESTER III			
1	CC- 07	ECONOMICS OF SOCIAL SECTOR	4
2	CC-08	ENVIRONMENTAL ECONOMICS	4
3	CC-09	THEORIES OF GROWTH AND DEVELOPMENT	4
4	EC-03	H.R.-3/AGR.-3/IND.-3/ECONOMETRICS - 3	4
5	ID-03	BUSINESS ENVIRONMENT / INTERNATIONAL TRADE POLICY AND INSTITUTIONS	4
6	SOC -03	TERM PAPER - 3	2
TOTAL			22
SEMESTER IV			
1	CC-10	THEORIES OF INTERNATIONAL TRADE	4
2	CC-11	INDIAN ECONOMIC POLICY	4
3	CC-12	COMPUTER APPLICATIONS IN ECONOMIC ANALYSIS/ BANKING AND INSURANCE	4
4	EC- 04	H.R.-4/AGR.-4/IND.-4/ECONOMETRICS-4	4
5	ID-04	ADVANCED STATISTICAL PACKAGES / HISTORY OF ECONOMIC THOUGHT	4
6	SOC- 04	TERM PAPER - 4	2
TOTAL			22

H.R. – Economics of Human Resources

AGR. - Agricultural Economics

IND.- Industrial Economics

SEMESTER - I

CC- 01 MICRO ECONOMICS PAPER – I

1: Demand Analysis

[10]

- Theories of demand - utility
- Indifference curve (income and substitution effects ,Slutsky theorem, compensated demand curve) and their applications
- Revealed preference theory
- Revision of demand theory by Hicks
- Characteristics of goods approach
- Consumer's Choice involving risk

2: Elasticities (Price, Cross, Income) of demand and Supply

[10]

- Theoretical aspects and empirical estimation
- Elasticity of supply
- Indirect utility functions (duality theory)
- Recent developments in demand analysis (Pragmatic approach and linear expenditure systems)
- Consumer's surplus

3: Theory of Production and Costs

[10]

- Production function
- Law of variable proportions and returns scale
- Iso- quants – Least cost combination of inputs
- Economies of scale
- Multi product firm
- Elasticity of substitution
- Euler's theorem
- Cobb-Douglas, CES Traditional and modern theories of costs-Empirical evidence
- Derivation of cost functions from production functions
- Derived demand for factors

4: Price and Output Determination

[10]

- Marginal Analysis as an approach to price and output determination
- Perfect competition – short and long run equilibrium of the firm and industry, price and output determination, supply curve
- Monopoly – short run and long run equilibrium, price determination, welfare aspects, monopoly control and regulation

References:

1. Kreps, David M.(1990),A Course in Microeconomics Theory, Princeton University Press, Princeton
2. Koutsoyianis,A.(1979),Modern Microeconomics,(2nd Edition),Macmillan Press, London
3. Layard, P. R. G. and A. W. Walters (1978), Microeconomic Theory, MacGraw Hill, New York.
4. Sen, A. (1999), Microeconomics: Theory and Application, Oxford University Press, New Delhi.
5. Stigler, (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.
6. Varian, H.R (2006), IntermediateMicroeconomics.A Modern Approach, W.W.Norton, (EWP)
7. Baumol, W.J. (1982), Economic Theory and Operations analysis, Prentice Hall of India, New Delhi.
8. Hirshleifer, J and A Glazer. (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
9. Henderson, J.M and R.E.Quandt (1980), Micro Economic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
10. Da Costa, G.C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
11. Archibald, G.C. (Ed.) (1971), Theory of the Firm, Penguin, Harmondsworth.
12. Bain, J. (1958), Barriers to New Competition, Harvard University Press, Harvard.
13. Bronfenbrenner,M.(1979),Income Distribution Theory,MacMillan,London
14. Broadway, R.W.and N.Bruce (1984) Welfare Economics, Basil Blackwell, London.
15. Graff, J.De.V. (1957), Theoretical Welfare Economics, Cambridge University Press, Cambridge.
16. Mishan, E.J. (1969), Welfare Economics, an Assessment, North Holland, Amsterdam.
17. Weinturb,E.R.(1974),General Equilibrium Theory,Macmillan,London
18. Borch, K.H. (1968), the Economics of Uncertainty, Princeton University Press, Princeton.
19. Diamond and Rothschild (Eds.) (1970), Uncertainty in Economics, Academic Press, New York.

SEMESTER - I

CC- 02 MACRO ECONOMICS

1: Demand for Money and Supply of Money [10]

Classical, Cambridge, Keynesian and Post - Keynesian approaches to demand for money, Concept of Money Supply, RBI Approach to Money Supply, High Powered Money and Money Multiplier

2: Inflation and Deflation [10]

Inflation and Deflation, Inflationary Vs Deflationary Gap, Phillips Curve Hypothesis, Natural Rate of Unemployment Hypothesis, Adaptive and Rational Expectation

3: Consumption and Investment Function [10]

Keynes Law of Consumption Function, Factors Affecting the Consumption Function Absolute income, Relative income, Life cycle and Permanent income hypothesis, Meaning of Investment Function, Marginal Efficiency of Capital and Rate of Interest Factors affecting Marginal Efficiency of Capital

4: Rate of Interest and AD/AS Model [10]

Classical, Neo-Classical, Keynesian theories of Interest, General Equilibrium Model IS/LM model, Real market, Money market: equilibrium, Classical and Keynesian view on income determination, AD/AS model and monetary, fiscal policies

References:

1. Gupta G S: (2001), Macroeconomics: Theory and applications, Tata McGraw Hill Publication Company Limited, New Delhi.
2. Gupta S B :(2005) Monetary Economics, Vikas Publishing House.
3. Froyen, Richard (1998), Macroeconomics, Prentice Hall, International Editions.
4. Samuelson Paul: (1997): Economics, Tata McGraw Hill, 17th Edition.
5. Don Bush and Fischer: Macroeconomics.
6. Mithani D M: (2005) Money, Banking International Trade, Public Finance, Himalaya publishing House New Delhi.
7. Mukharjee Sampat: (1995) Modern Economic Theory. Wishwa prakashan New Delhi.
8. Gupta G S: (2008) Macro Economics – Theory and Application, Tata McGraw Hill publication Company Limited, New Delhi.
9. Acharya Shankar: (2008) Essays on macroeconomic policy and growth in India. Oxford University press.
10. Harris Laurence: (1985) Monetary Theory. McGraw Hill, International edition.
11. Money and Banking (2005) – The ICAI University, Hydrabad.
12. RBI Bulletins.

SEMESTER - I

CC- 03 QUANTITATIVE METHODS FOR ECONOMICS - 1

- 1. Introduction to Statistics & Presentation of Data** [10]
Statistics: Definitions, Functions, Limitations, Ungrouped and grouped data, Frequency Distribution, Various types of graphs.
- 2. Measures of Central Tendency and Variation** [10]
Mean, Median, Mode, Geometric Mean, Harmonic mean, Combined mean for (ungrouped and grouped data) - Their Merits and Demerits., Absolute and Relative variation, Range, Mean Deviation, Variance, Standard Deviation (for ungrouped and grouped data) - Properties of Standard Deviation - Their merits and Demerits - Coefficient of Variation its uses.
- 3. Concept of variables, constants** [10]
Equations
Linear, Quadratic and Simultaneous-Their applications in Economics.
- 4. Functions** [10]
Various types of functions, functions used in Economics.
Linear and quadratic functions- graph, interpretation of parameters-applications- Homogeneous function- applications.

References: (for Statistics)

1. Chandan J (1998): Statistics for Business and Economics,Vikas Publishing House,New Delhi
2. Nagar A L (1997): Basic Statistics,Oxford University Press,New Delhi,15th Ed.
3. G V Shenoy & Late.Madan Pant (1994) Statistical Methods In Business And Social Sciences, Macmillan India Pvt. Ltd,New Delhi
4. K K Sharma & Sukhpal Singh (2000): Introductory Economic Theory And Elementary Statistics, Abhishek Publications,Chandigarh
5. R H Hooda (2000): Statistics For Business and Economics,Macmillan India Pvt.Ltd.,New Delhi, 2nd Ed.
6. G S Monga (2000): Mathematics And Statistics For Economics,Vikas Publishing House, New Delhi, 2nd Ed.
7. A L Nagar And R K Das (1983): Basic Statistics,Oxford University Press,New Delhi, 2nd Ed.
8. Richard I Levin & David S Rubin (2000) Statistics For Management,Prentice Hall of India Ltd, 7th Ed.
9. Michael C Fleming & Joseph G Nellis(1997) : The Essence Of Statistics For Business,Prentice Hall of India Pvt. Ltd.,New Delhi,2nd Ed.

References: (for Mathematics)

1. Berry Tanuj (1994):Mathematical Methods For Economists,Archetypal Publications,NewDelhi
2. Edward T Dowling (1992): Theory and Problems of Introduction Mathematical Economics, Schaum's Outline Series Mcgraw-Hill,New York.
3. Edward T Dowling(2001):Mathematical Methods For Business and Economics, Schaum's Outline Series Mcgraw-Hill,New York.
4. F M Wilkes (1999) : Mathematics For Business Finance and Economics,International Thomson Business Press,London;2nd ed.
5. Martin Anthonyey And Norman Biggs (2000):Mathematics For Economics And Finance Methods and Modelling,Cambridge University Press,New York,3rd Ed
6. R S Bharadwaj (2000): Mathematics For Economics and Business,Excel Books,New Delhi
7. R G D Allan (2000) : Mathematical Analysis For Economists,Macmillan, Delhi,7thEd.
8. H A Spooner & D A L Wilson (1997): The Essence of Mathematics For Business,Prentice Hall of India Pvt Ltd,New Delhi
9. A S Ramsastri (2000): Quantitative Methods for Valuation of Financial Assets,Response Books, New Delhi.
10. G S Monga (2000): Mathematics And Statistics For Economics,Vikash Publications,New Delhi 2nd ed.
11. Hooda R P (1994): Statistics for Business and Economics,Macmillan .,New Delhi
12. Anthony & Biggs (2000) : Mathematics For Economics and Finance,Cambridge Uni.Press
10. Siegel S (1956) Nonparametric Statistics,Tata Mcgraw-Hill,New York

SEMESTER –I

EC- 01 ECONOMICS OF HUMAN RESOURCES (EDUCATION) - 1

1: Concept of Human Capital

[10]

Concept of Human Capital - Human and other forms of capital - Evolution of the concept of Human Development Index – Other indices of Human development – Measure of Human Capital

2: Investment in Education

[10]

Investment in Education – Private and public returns to education - Evaluating Educational investments - Costs and benefits of education - Issues regarding the measurement of costs and benefits - Social and private costs – Types of training - general v/s specific – on the job training - determinants of On-the-job-training – costs of training

3: Indicators of Human resources development

[10]

Indicators of Human resources development - Educational indicators - Planning for Human resources – Objectives and strategy - Manpower assessment and forecasting - Techniques and methods of manpower assessment - Brain-drain – Concept, Magnitude, classification and factors affecting the brain-drain -

4: Educational Finance

[10]

Educational Finance – Sources and state of Educational finances – Funding of higher education – State v/s private funding - factors affecting - Educational reforms and National Knowledge Commission – WTO and challenges for Reforms in Education - Education during Plan Period

References:

1. Ansari, M.M.(1987) Education and Economic Development, New Delhi, AIU Publication.
2. Bhattacharya, R. N. (Ed.) (2001), Environmental Economics : An Indian Perspective, Oxford University Press,New Delhi.
3. Blaug, M. (1970), An Introduction to Economics of Education, Cambridge University Press, Cambridge.
4. Blaug, M. (1972), Introduction to Economics of Education, Penguin, London.
5. Blaug, Mark (1987) Economics of Education & the Education of an Economist New York, University Press.
6. Blaug Mark (1980) An Introduction to Economics of Education,Penguin Books Ltd., England.
7. Cohn, E. and T. Gaske (1989), Economics of Education, Pergamon Press, London.
8. Garg, V.P.(1985) The Cost Analysis in Higher Education, Metropolitan Book Co., New Delhi.
9. Harbison & Myers (1968) Education, Manpower and Economics growth, Oxford & IBH. New Delhi,
10. Kneller, G. F. Education & Economic Growth, New York, John Wiley, 1968.
11. Mehta. M.M (1976): Human Resources Development Planning – With special Reference to Asia and Far-east; MacMillan, Delhi
12. Nagpal C.S. & Mittal A.C.(eds)(1993)Economics of Education, Anmol Publications,New Delhi
13. Pandit, H. N Measurement of cost Productivity & Efficiency of Education, NCERT, 1969 New Delhi
14. Prakash S & Choudhury, S (1994). Expenditure on Education: Theory, Models And Growth, NIEPA Delhi,
15. Pscharopoulos, G. &Woodhall, M(1985)Education for Development- An Analysis of Investment choices, World Bank Publisher, London,
16. Schultz, T. W (1963) The Economic Value of Education, Columbia University Press, Columbia
17. Sethi, Vinita (1977) Educational Development and Resource Mobilization, Kanishka Publication New Delhi
18. Sodhi, T. S (1978) Education and Economics Development, Mukand Publications, Ludhiana,
19. Tilak, J.B.G. (1987) Economics of Inequality in Education, Sage Publications, 1987. New Delhi, .
20. Vaizey John (1962) Economics of Education, London, Faber & Faber

SEMESTER – I

EC- 01 AGRICULTURAL ECONOMICS – I

1: Introduction to Agricultural Economics

[10]

Nature and Scope of Agricultural Economics – Role of Agriculture in Economic Development – Special Characteristics of the Primary Sector – Interdependence between Agriculture and the Rest of the Economy. Farming Systems: Farm size and Productivity Debate – Agricultural Statistics in India: Coverage, Sources and Reliability.

2: Factor of Production

[10]

Land utilization – Labour characteristics of agriculture labour inability labour market – concept of employment under employment under employment disguised unemployment in agriculture.

3: The Economics of Agricultural Production

[10]

Agricultural Production Function – Input-Output Relationship – Factor-Factor Relationship and Product-Product Relationships – Farm Budgeting – Rotation of Crops – Location of Crops.

4: Models of Agricultural Development

[10]

Lewis, Fei-Ranis, Jogenson, Mellor, Schultz and Boserup Models

References:

1. Bilgrami.S.A.R.(1996), “ An Introduction to Agricultural Eco.”, Himalaya, New Delhi.
2. Chaudhary, P.(1972), “Reading in Indian Agricultural Development”, Gerge Allen & Unwin, London.
3. Cohen, R., “The Economics of Agriculture”, Cambridge University Press.
4. Dantwala, M.L. (1996), “Dilemmas of Growth The Indian Experience, Sage Pub., Delhi.
5. Ghstak, S. and K.Ingerscent (1984), “Agriculture and Economic development Select books”, New Delhi.
6. Heady E.O. and J.Dhillon, “Agricultural Production Functions”,Kalayni
7. Heady E.O., “Economics of Agricultural Production and Resource use”, PHI Learning
8. Joshi B.H.(1992), “ An Analytical Approach to Problems of Indian Agriculture : A Theoretical and System Approach”, B.R.Publishing Corporation, Delhi.
9. Joshi G.N.(1992), “A Study of Resource Transfers from Agriculture”, Commonwealth Publishers, New Delhi.
10. R.G.Desai.(2001), ‘Agriculture Eco.Models Problem and Policy Issue’,Himalaya Publishing House, Mumbai.
11. Rao,C.H.(1979), “Farm Size, Resource Use Efficiency and Income Distribution”, Allied Publishers, New Delhi.
12. Rao,C.H.Hanumantha (1994), “Agricultural Growth, Rural Poverty and Enivronmental Degradation in India”, Oxford University Press, New Delhi
13. Sastri R.V.(1996), “Agriculture Economics”, Popular Prakasan,Surat.
14. Schultz, T.W., “ The Economics Organisation of Agriculture”, McGraw Hill
15. Soni,R.N., “Leading Issues in Agricultural Economics”,
16. Srivastara A K.; Chand Mahesh, (1978), Economics Analysis and Management in Agriculture”, Oriental Publishers & Distributor. Allahabad.
17. Thamarajakshi R.(1994), “ Inter sect oral Relationship in a Developing Economy”, Academic Foundation, Delhi

SEMESTER - I

EC- 01 INDUSTRIAL ECONOMICS PAPER – I

1: Framework and Problems of Industrial Economics [10]

- Concept and Organization of a firm
- Ownership, Control and Objectives of the Firm
- Passive and Active Behaviour of the Firm

2: Market Structure [10]

- Seller's Concentration
- Product Differentiation
- Entry Condition
- Economies of Scale
- Market Structure and Profitability
- Market Structure and Innovation
- Factors Affecting Location

3: Market Conduct [10]

- Product Pricing - Theories and Evidence
- Investment Expenditure – Methods of Evaluating Investment Expenditure
- Theories and Empirical Evidence on Mergers And Acquisitions (M & A) and Diversification

4: Market Performance [10]

- Growth of the Firm – Size and Growth of a Firm
- Growth and Profitability of the Firm
- Constraints on Growth
- Productivity, Efficiency and Capacity Utilization - Concept and Measurement
Indian Situation

References:

1. Ahluwalia, I. J. (1985), *Industrial Growth in India*, Oxford University Press, New Delhi
2. Barthwala, R. R. (1994), *Industrial Economics*, Wiley Eastern Ltd, New Delhi.
3. Bernadette Anderson, David Jacobson (2005) *Industrial Economics and Organisation*. McGraw-Hill Publishers
4. Cherunilam, F. *Industrial Economics, Indian Perspective (3rd Edition)* Himalaya Publishing House, Mumbai.
5. Desai B (1999), *Industrial Economics, Indian (3rd Edition)* Himalaya Publishing House, Mumbai.
6. Divine P. J. and R. M. Jones et al. (1996) *An Introduction to Industrial Economics*, George Allen and Unwin Ltd, London.
7. Government of India, *Economics Survey (Annual)*
8. Hay, D. and D. J. Morris, (1979), *Industrial Economics, Theory of Evidence*, Oxford University Press, New Delhi.
9. Kuchhal S.C. (1980), *Industrial Economics, Indian (5rd Edition)* Chaitany Publishing House, Allahbad.
10. Reserve Bank of India, *Report on Currency and Finance (Annual)*
11. Singh A. and A. N. Sadhu (1988), *Industrial Economics*, Himalaya Publishing House, Mumbai.
12. Bains, J. S. (1996), *Industrial Organization*, Cheltenham, U. K.
13. Harndeen, J.B. (1975), *The Economics of Corporate Economy*, Dunelle Publishers, New York.
14. Wiles P.G.D. (1963), *Price, Cost, and Output*, Praeger, New York.
15. Brahmaananda, P. R. and V.R. Panchamukhi (Eds.). (1987), *The Development Process of The Indian Economy*, Himalaya Publishing House, Bombay.
16. Chakravarty, S. (1987), *Development Planning. The Indian Experience*, Oxford University Press, New Delhi.
17. Dhameeja, N. and K.S. (1998), *Privatization. Theory and Practice*, A. F. Wheeler New Delhi.
18. Jalan, B. (1996), *India' Economic Policy*, Viking, New Delhi
19. Joshi, V and I.M D. Little (1999) *India : Macro Economics and Political Economic 1964-1991*, Oxford University Press, New Delhi.
20. Sandesara, J.C. (1992), *Industrial Policy and Planning -1947-1991. Tendencies Interpretations and Issues*, Sage Publication, India Pvt. Ltd New Delhi.
22. Gupta, L.C. (1969) *The Changing Structure of Industrial Finance in India*, Oxford University Press, New Delhi
23. Khan, M.Y. (1981) *Indian Financial Systems*, Allied Publishers, New Delhi.
24. Fog, B. (1959), *Industrial Pricing Policies*, North Holland, Amsterdam.
25. Koulsoyiannis, A. (1979) *Modern Microeconomics*, Macmillan New York.
26. Das, N. (1969) *The public sector in India*, Vora and Company, Bombay.
27. Gosh, P.K. (1977) *Government and Industry*, Oxford University Press, New Delhi.
28. Sandesara, J.C. (1982). *Industrial Growth in India: Performance and Prospects* Lajpat Rai College, Bombay.

SEMESTER I

EC- 01 ECONOMETRICS – I (MATHEMATICAL ECONOMICS)

1: Utility & Demand

[10]

Cardinal and ordinal Utility; Utility maximization; Demand Function: properties, Compensated demand functions, Slutsky equation: Components and substitutes, Empirical demand functions, Consumer behaviour under risk and uncertainty.

2: Theory of Production

[10]

Theory of Production: Iso-quant, Rate of Technical substitution, maximization of output. Cost Maximization, Profit Maximization, Profit maximization, Input Demand functions. Joint production, Production possibility curve. Production Function: Cobb-Dougllass, CES, VES and Translog production with properties.

3: Market Equilibrium

[10]

Market equilibrium: Existence, Uniqueness and Stability: Walvasian and Marshallian conditions for Static and dynamic stability, cobweb theorem.

4: Price determination in various markets

[10]

Price determination in various markets – Monopoly, duopoly, oligopoly and monophony.

Reference:

1. Allen, R.G.D (1976): Mathematical Economics, Mac Millan , London.
2. Arrow, K.J. and Intelligator (edt) (1982): Handbook of Mathematical Economics, Vol. 1,2 & 3, North – Holand, Amsterdam.
3. Hernderson, J.M . and Quaudt , RE (1980): Micro-economic Theory : A Mathematical Approach, Mcgraw Hill , New Delhi.
4. Chiang , A.C. (1986): Fundamental Methods of Mathematical Economics , Mcgrow – Hill , NewYork Economics , Schaum’s Outline Series, Mcgrow Hill Inc., New Delhi.

SEMESTER I

ID- 01 FUNDAMENTALS OF ACCOUNTANCY

1. Introduction to Accounting; Accounting Plan and Responsibility Centres [10]

Management accounting as a area of accounting; Objectives, nature and scope of financial accounting, cost accounting and management accounting, Management accounting and managerial decisions; Management accountant's position, role and responsibilities. Meaning and Significance of responsibility accounting; Responsibility centres-cost centre, profit centre and investment centre, Problems in transfer pricing; Objectives and determinants of responsibility centres.

2. Budgeting; Standard Costing and Variance Analysis [10]

Definition of budget; Essentials of budgeting; Types of budgets – functional, master etc.; Fixed and flexible budget; budgetary control; Zero-base budgeting; Performance budgeting. Standard costing as a control technique; Setting of standards and their revision; Variance analysis-meaning and importance, kinds of variances and their uses – material, labour and overhead variances; Disposal of variances; Relevance of Variance analysis to budgeting and standard costing.

3. Marginal Costing, Break – even Analysis and Analysing Financial Statements [10]

Concept of marginal cost; Marginal costing and absorption costing; Marginal costing versus direct costing; Cost volume profit analysis; Break-even analysis; Assumptions and practical applications of break even analysis; Decisions regarding sales mix, make or buy decisions and discontinuation of a product line etc.; Horizontal, vertical and ratio analyses; Cash flow analysis

4. Contemporary Issues in Management Accounting and Reporting to Management [10]

Value chain analysis; Activity based costing; Quality costing; Target and life cycle costing.; Objectives of reporting, reporting needs at different managerial levels; Types of reports, modes of reporting, reporting at different levels of management.

References

1. Khan M Y & Jain P K (2002), Management Accounting, Tata McGraw-Hill Publishing Company Ltd, New Delhi.
2. Arora M.N (2004), Management Accounting, Himalaya Publishing House, Mumbai
3. Maheshwari S.N (2002), Principles of Management Accounting, Sultan Chand & Sons, New Delhi
4. Gordon E.,Jeyaram N.;Sundram N.&Jayachandram R.(2005),Management Accounting,Himalaya Publishing House,Mumbai.
5. Arora M.N (2008), Cost and Management Accounting, Himalaya Publishing House, Mumbai
6. Tulsian P.C (1998), 1st& 3rd Ed, Financial Accountancy, Tata McGraw Hills, New Delhi
7. Balwani Nitin (2002), 2nd Ed. Accounting and Finance for managers, Excel Books, New Delhi
8. Porwal L S (2001), 3rdEd. Accounting theory –An introduction, Tata McGrew Hill, New Delhi.

SEMESTER I

ID- 01: INDIAN POLITICAL SYSTEM

1. Approaches

[10]

Approaches to the study of government-comparative -historical -legal-institutional -political -economical and sociological approaches.

Constitutional development in India during British Rule – a historical perspective

Nature of Indian Federalism, centre- state relation -Legislative -Administrative -Financial and Political.

2. Power and Functions

[10]

Power and Functions of President, Prime Minister, Parliament, Judiciary system -Election

Commission – Election Reforms and Voting Behavior

Governor, Chief Minister, Council of Ministers

Local Government Institution and politics, Panchayat Raj and Municipal Government – 73 & 74th amendments. Role of women in Panchayat

3. Salient Features

[10]

Salient features of Indian Constitution

Evolution of Indian Constitution

National movement and Philosophical foundation

Politics of regional move and National Integration.

4. Challenges of Indian Democracy

[10]

Regional disparities, environmental degradation

Mass Poverty, Illiteracy, Population, growth

Castle oppression and socio- economic Inequalities among Backward class

Communalism, Regionalism, criminalism and corruption

REFERENCES:

1. Politics in India. -Rajni Kumar
2. Indian constitution -M.V. Pulee
3. Introduction for constitution of India -D.D. Basu
4. Indian Government and politics -K.R. Acharya.
5. Indian politics: contemporary issues and concerns -Sinsh & Saxena
6. Political economy and Growth -P. Baran
7. Economics History of India -Tirthkar Roy
8. Economy of modern India -B.R.Tomlinson
9. Environment and Ethnicity in India -Sumit Guha

SEMESTER - II

CC- 04 MICRO ECONOMICS PAPER – II

1: Price and Output Determination

[10]

- Monopolistic competition – general and Chamberlin approaches to equilibrium, equilibrium of the firm and the group with product differentiation and selling costs, excess capacity under monopolistic and imperfect competition
- Oligopoly–Non–Collusive (Cournot, Bertrand, Edgeworth, Chamberlin, Kinked demand curve and Stackelberg’s solution) and collusive (Cartels and mergers, price leadership) models
- Price and output determination under bilateral monopoly

2: Distribution

[10]

- Neo – Classical approach – Marginal productivity theory
- Product exhaustion theorem
- Elasticity of technical substitution
- Technical progress and factor shares
- Theory of distribution in imperfect product and factor markets
- Determination of rent,wages,interest and profit
- Macro theories of distribution – Ricardian,Marxian,Kalecki and Kaldor’s

3: Welfare Economics

[10]

- Pigovian welfare Economics
- Pareto optimal conditions
- Value judgment
- 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

4: Economics of Uncertainty

[10]

- Individual behaviour towards risk
- Expected utility and certainty equivalence approaches
- Risk and risk aversion – sensitivity analysis, gambling and insurance
- The Economics of insurance, cost and risk, risk pooling and risk spreading, mean – variance analysis and portfolio selection

References:

1. Kreps, David M. (1990), A Course in Microeconomics Theory, Princeton University Press, Princeton
2. Koutsoyianis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London
3. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, MacGraw Hill, New York.
4. Sen, A. (1999), Microeconomics: Theory and Application, Oxford University Press, New Delhi.
5. Stigler, (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.
6. Varian, H.R. (2006), Intermediate Microeconomics A Modern approach. W.W.Norton, (EWP}.
7. Baumol, W.J. (1982), Economic Theory and Operations analysis, Prentice Hall of India, New Delhi.
8. Hirshleifer, J and A Glazer. (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
9. Henderson, J.M and R.E.Quandt (1980), Micro Economic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
10. Da Costa, G.C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
11. Archibald, G.C. (Ed.) (1971), Theory of the Firm, Penguin, Harmondsworth.
12. Bain, J. (1958), Barriers to New Competition, Harvard University Press, Harvard.
13. Bronfenbrenner, M. (1979), Income Distribution Theory, MacMillan, London
14. Broadway, R.W. and N. Bruce (1984) Welfare Economics, Basil Blackwell, London.
15. Graff, J. De. V. (1957), Theoretical Welfare Economics, Cambridge University Press, Cambridge.
16. Mishan, E.J. (1969), Welfare Economics, an Assessment, North Holland, Amsterdam.
17. Weinturb, E.R. (1974), General Equilibrium Theory, Macmillan, London
18. Borch, K.H. (1968), the Economics of Uncertainty, Princeton University Press, Princeton.
19. Diamond and Rothschild (Eds.) (1970), Uncertainty in Economics, Academic Press, New York.

SEMESTER- II

CC-05 PUBLIC ECONOMICS

1: Introduction and Public Choice

[10]

Normative system of public finance - Role of Government in organized society - Musgrave classification of the government functions - government in a mixed economy; public and private sector. Cooperation or competition; Government as an agent for economic planning and development; Government as a tool for operationalising the planning process; private goods, public goods, and merit goods.

Public Choice:- Private and public mechanism for allocating resources; Problems for allocating resources; Problems of preference revelation and aggregation of preferences; Voting systems; Political equilibrium and its determinants - Arrow impossibility theorem;

2: Rationale for Public Policy; Taxation

[10]

Allocation of resources – provision of public goods; voluntary exchange models; Impossibility of decentralized provision of public goods (contributions of Samuelson and Musgrave); Stabilization Policy – Market failure – imperfections, decreasing costs, externalities, public goods; Uncertainty and non-existence of futures markets; Informational asymmetry – Theory of second best., Taxation:- Functional classification of taxes - Theory of optimal taxation; Excess burden of taxes; Trade-off between equity and efficiency; theory for measurement of dead weight losses; Laffer Curve.

3. Public Debt and Public expenditure

[10]

Sources of public debt – Theories of public debt – Burden of public debt – Debt management and Repayment Method – Recent trends in Public debt with reference to India.

Public expenditure:-Criteria for Expenditure -Normative and Positive theories of public expenditure – Trends in Public expenditure.

4. Fiscal Policy, Federal Finance

[10]

Role of fiscal policy in Developing countries – Interdependence of fiscal and monetary policies – Deficit financing in India – different types of deficits in Budget .

Federal Finance: - Principles of federal finance – Fiscal federalism in India – Center State Financial Relations – problems of federal finance – methods of financial adjustment –Role of Central and State Finance Commissions in devolution of resources - Thirteenth Finance commission.

References:

1. Atkinson, A. B. and J. E. Siglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York..
2. Auerbach, A. J. and M. Feldstern (Eds.) (1985), Handbook of Public Economics, Vol. I, North Holland, Amsterdam.
3. Buchanan, J. M. (1970), the Public Finances, Richard D. Irwin, Homewood.
4. Gandhi, V. P. (1970), Some Aspects of India's Tax Structure, Vora and Company, Bombay.
5. Goode, R. (1986), Government Finance in Developing Countries, Tata McGraw Hill, New Delhi.
6. Houghton, J. M. (1970), the Public Finance: Selected Readings, Penguin, Harmonds worth.
7. Hynman, D.N (2002). Public Finance: A Contemporary Application o f theory to Policy. Harcourt Publishers, New York
8. Jha, R. (1998), Modern Public Economics, Routledge, London.
9. Menutt, P. (1996), the Economics of Public Choice, Edward Elgar, U. K.
10. Mundle, S. (1999), Public Finance Policy: Issues for India, Oxford University Press, New Delhi.
11. Mithani, D.M(2007), Modern Public Finance , Himalaya Publishing house
12. Musgrave, R. A. (1959), The Theory of Public Finance, McGraw Hill, Kogakhusa, Tokyo.
13. Musgrave, R. A. and P. B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
14. Reserve Bank of India (2007); Report on currency and finance. Also see various issues
15. Shoup, C. S. (1970), Public Finance, Aldine, Chicago.
16. Shome, P. (Ed.) (1970), Tax Policy : Handbook, Tax Division, Fiscal Affairs Department, International
17. Monetary Fund, Washington D. C.
18. India, Government of India (2007). Economic Survey. Also see various issues
19. Reserve Bank of India (2007). Report on Currency and finance; also various issues Tax reform Committee - Kelkar Committee Report
20. GOI : Indian Public Finance Statistics, Ministry of Finance
21. GOI: XI Plan (2007-2012), Planning Commission Vol: 1-2-3.

SEMESTER – II

CC-06 QUANTITATIVE METHODS FOR ECONOMICS - 2

- 1. Linear Correlation, Regression and Index Numbers: [10]**
Scatter diagram - Pearson's product moment formula for correlation coefficient (only ungrouped data) - its properties. Linear Regression - estimation of parameters - Interpretation; Index Numbers: - Definition, meaning, uses; Laspeyre's, Paasche's and Fisher's Index numbers; Construction of cost of living index numbers.
- 2. Theory of Probability & Probability Distributions: [10]**
Apriori definition-Theorem on total probability, Addition and Multiplication Theorems - Conditional Probability. Random variable- Mathematical Expectation- Applications. Normal Distribution-Properties, Applications.
Tests of Hypothesis- Z, t, χ^2 & F tests.
- 3. Differential calculus [10]**
Limit of a function- rules.
Derivative of a function: definition; rules, Interpretations.
Applications in Economics -marginal functions and elasticities.
Maximization / Minimization of a function -first and second order conditions- applications in Economics.
- 4. Integration ; Matrices and Determinants [10]**
Definition, rules, definite and indefinite Integration. - applications in Economics.
Mathematical operations
Matrix- Definition, various types of matrices, applications.
Determinants- definitions, rules, application, Cramer's Rule, Inverse of a Matrix and solution of simultaneous equations.

References: (for Statistics)

1. Chandan J (1998): Statistics for Business and Economics, Vikas Publishing House, New Delhi
2. Nagar A L (1997): Basic Statistics, Oxford University Press, New Delhi, 15th Ed.
3. G V Shenoy & Late. Madan Pant (1994) Statistical Methods In Business And Social Sciences, Macmillan India Pvt. Ltd, New Delhi
4. K K Sharma & Sukhpal Singh (2000): Introductory Economic Theory And Elementary Statistics, Abhishek Publications, Chandigarh
5. R H Hooda (2000): Statistics For Business and Economics, Macmillan India Pvt. Ltd., New Delhi, 2nd Ed.
6. G S Monga (2000): Mathematics And Statistics For Economics, Vikas Publishing House, New Delhi, 2nd Ed.
7. A L Nagar And R K Das (1983): Basic Statistics, Oxford University Press, New Delhi, 2nd Ed.
8. Richard I Levin & David S Rubin (2000) Statistics For Management, Prentice Hall of India Ltd, 7th Ed.
9. Michael C Fleming & Joseph G Nellis (1997) : The Essence Of Statistics For Business, Prentice Hall of India Pvt. Ltd., New Delhi, 2nd Ed.

References: (for Mathematics)

1. Berry Tanuj (1994): Mathematical Methods For Economists, Archetypal Publications, New Delhi
2. Edward T Dowling (1992): Theory and Problems of Introduction Mathematical Economics, Schaum's Outline Series McGraw-Hill, New York.
3. Edward T Dowling (2001): Mathematical Methods For Business and Economics, Schaum's Outline Series McGraw-Hill, New York.
4. F M Wilkes (1999) : Mathematics For Business Finance and Economics, International Thomson Business Press, London; 2nd ed.
5. Martin Anthony And Norman Biggs (2000): Mathematics For Economics And Finance Methods and Modelling, Cambridge University Press, New York, 3rd Ed
6. R S Bharadwaj (2000): Mathematics For Economics and Business, Excel Books, New Delhi
7. R G D Allan (2000) : Mathematical Analysis For Economists, Macmillan, Delhi, 7th Ed.
8. H A Spooner & D A L Wilson (1997): The Essence of Mathematics For Business, Prentice Hall of India Pvt Ltd, New Delhi
9. A S Ramsastri (2000): Quantitative Methods for Valuation of Financial Assets, Response Books, New Delhi.
10. G S Monga (2000): Mathematics And Statistics For Economics, Vikash Publications, New Delhi 2nd ed.
11. Hooda R P (1994): Statistics for Business and Economics, Macmillan ., New Delhi
12. Anthony & Biggs (2000) : Mathematics For Economics and Finance, Cambridge Uni. Press
10. Siegel S (1956) Nonparametric Statistics, Tata McGraw-Hill, New York

SEMESTER –II

EC- 02 ECONOMICS OF HUMAN RESOURCES (HEALTH) - II

1: Concept and Dimensions of Health

[10]

Concept and Dimensions of Health – Determinants of Health – Broad Indicators of Health – Indicators to monitor Health – Millennium Development Goals and Health Indicators - Preventive, Curative and Promotive aspects of health -

2: Health as Investment

[10]

Health as Investment - Relationship between investment in health and economic development – Health and GDP Linkages - Objectives and functions of Health systems - Roles of the government and the market in health - Financing Health -

3: Planning for health in India

[10]

Planning for health in India - Health system in India – Evaluation of health services - Health care of the Community – Elements of health care – Health status and health problems - Review of health policies –National Rural Health Mission – Environment and health -

4: National and International dimensions of health

[10]

National and International dimensions of health - World Health Organisation – Major health challenges for developing countries - WTO and health Aspects – Health reforms in India – National Family and Health Surveys Health in the XI plan

References:

1. Agarwal,D(2006): “Health Sector Reforms : relevance in India” ; Indian Journal of Community Medicine; Vol. 13(4) October
2. Baru,R.V (1998): Private Health Care in India : Social Characteristics and Trends ; Sage, New Delhi
3. Berman, P. (Ed.) (1995), Health Sector Reform in Developing Countries: Making Health Development Sustainable, Boston: Harvard Series on Population and International Health.
4. Finance and Development (1993) September
5. IIPS (2007): National Family Health Survey, Vols. 1-3, Mumbai
6. India, Government of (2008). XI Five Year Plan 2007-12; Volume-II (Social Sector); Oxford University Press
7. Klarman, H. E. (1965), the Economics of Health, Columbia University Press, New York.
8. Panchmukhi, P. R. (1980), Economics of Health: A Trend Report in ICSSR, A Survey 22 of Research in Economics, Vol. VI, Infrastructure, Allied Publishers, Delhi.
9. Park,K (2005): Text Book of Preventive and Social Medicine; Bhanot Publishers, Jabalpur..
10. World Health Report (2000): World health Organisation.
11. World Development Report (1993), World Bank
12. WHO (2000) World Health Organisation

SEMESTER – II

EC- 02 AGRICULTURAL ECONOMICS - II (PROBLEMS OF INDIAN AGRICULTURE AND POLICY)

1: Development Problem of Indian Agriculture [10]

Agricultural Production and Trends in Food grains – non – food grains. Index of Agricultural Productivity per Workers Per Hectare, Causes of low Productivity – Forest Resources – Types of forests – Problems of deforestation – Soil conservation in India

2: Agricultural Inputs [10]

Irrigation – Need for Irrigation – sources of Irrigation – Source wise development of Irrigation – Water resources – Problems in the development of Irrigation – Suggestion to overcome the Management – National water development Agency – HYVP – Fertilizer – Farm mechanism – Marketable surplus – Agricultural Marketing.

3: Food Problem [10]

Food Problems – Nature – Features of Indian diet – Food Problem after Independence- Measures to solve the Food Problems - Food Policy – Green Revolution – New Agricultural strategy

4: Land tenure system, Land Reforms and Agricultural Taxation [10]

Land tenure system and land Reforms objectives – Evaluation of land reforms policy – suggestion for improvement – Agro-climatic Planning – Environment and Agriculture.
Agricultural Taxation – Debate on direct taxies – Agricultural Holding Tax (AHT).

References:

1. Bardhan, P. (1984), "Land, Labour and Rural Poverty", Oxford University Press, New Delhi.
2. Bhalla. G.S(1994), "Economic Liberalization and Indian Agriculture" Institute for studies in Industrial Development, New Delhi.
3. Bhardwaj,K.(1974), " Production condition in Indian Agriculture", Cambridge University Press, Cambridge.
4. Chandha, G.K. and A.N. Sharma (1997), Growth, Employment and Poverty : Change and Continuity in Rural India", Vikas Publishing House, New Delhi.
5. Dantwala,M.L.et al (1991), "Indian Agricultural Development Since Independence", Oxford & IBH, New Delhi.
6. Dawan, B.D.(1988), "Irrigation in India's Agricultural Development", sage Publication, New Delhi.
7. Desai, G. and A.Vailyanathan (Eds.) (1995), "Strategic Issues in future Growth of Fertiliser Use in India", Macmillian, New Delhi.
8. Gulati Ashok ; Kelley Tim, (1999), "Trade liberalization & Indian Agriculture", Oxford University Press, New Delhi.
9. Gulati, A. and T. Kelly (1999), "Trend Liberalization and Indian Agriculture", Oxford University Press, New Delhi.
10. Haque, T. and A S Charan. Sirohi (1986), "Agrarian Reforms and Institution Changes in India", Concept Publishing Company, Delhi.
11. Joshi B.H. (1999), "Indian Agriculture Development and Challenges", University Granth Nirman Bord, Ahemdabad.
12. Pandya Kiran, (1996), "Agrarian Structure New Technology and labour in India", Himalaya Publishing house, Mumbai.
13. Rao C. H. Hanumantha, (2005), "Agriculture, Food Security, Poverty and Environment : Essay on Post – Reform India", Oxford University Press, New Delhi.
14. S.S.Acharya & D.P.Chondhri :,(2001), "India Agricultural Policy at the Crossroads", Ed; Rawat Publication, Jaypur.
15. Subbarao, K. and De Janvry (1986), "Agricultural Price Policy and Income Distribution in India", Oxford University Press, New Delhi.
16. Vaidyanathan, A.(1995), "The Indian Economy : Crisis, Response and Prospects", Orient Longmans, New Delhi.
17. Visaria, P. and R.Basant (1994), "Non-Agricultural Employment in India : Trends and Prospects", Sage Publication, New Delhi.
18. Joshi .B.H,(1992), "An Analytical Approach to Problem of Indian Agriculture: A Theoretical and System Approach", B.R.Publishing Corporation, Delhi.
19. Bhall G.S ; Singh Gurmail, (2001), "Indian Agriculture : Four Decades of Development", Sage Publications, New Delhi.
20. Prasad C.S. (2006), "Sixty Year of Indian Agriculture : 1947 to 2007", New Century Publication, New Delhi.

SEMESTER - II

EC- 02 INDUSTRIAL ECONOMICS – II (LABOUR ECONOMICS)

- 1: Labour Markets** [10]
- Labour Market vs. Commodity Market
 - Labour market , policy , nature and characteristics of labour market in developing countries like India
 - Mobility and Productivity of labour ,Absenteeism
- 2: Migration** [10]
- Meaning , Types , Causes , Impact
 - Globalization and labour markets, recent trends
- 3: Employment** [10]
- Employment and Unemployment
 - Causes, types of unemployment, sources of unemployment data in India.
 - Methods to measure unemployment
 - Impact of modernization on employment.
 - Employment policy during five year plans and its evaluation
 - Analysis of Educated Unemployment.
- 4: Share of wages in national income** [10]
- Concept : Share of wages in national income
 - Various theories on share of wages
 - Factors affecting share of wages

References:

1. Mital A C, Sharma S P, Labour Economics, RESA Pub. Japan.
2. Papola , T.S., P.P. Ghosh and Sharma (Eds) (1993) , Labour, Employment, TMH New York.
3. Venkata Ratham , C.S. (2001), Globalization and Labour,- Relation : Dynamics of change,Sage Publications /Response Books, New Delhi.
4. Sen, A.k.(1975), Employment, Technology, Development, oxford Press New Delhi.
5. Determination L.K. and J.C. Sandesara (Eds.) (1970). Wage policy and Wage Determination In Inida, Bombay University Press, Bombay.
6. Punekar S.D. (1978), Trade Unionism and Industrial Relations; Himalaya, Mumbai.
7. Mistra L (2000), Child Labour in India, OUP, New Delhi.
8. Reveros, L (1990), Labour Market polices and Labour market Reforms in Socialist Economics.
9. Labour Welfare, Trade Unionism and Industrial Relatioin, Himalaya, Mumbai.
10. Monappa Arun (2001), Industrial Relations, Tata McGraw Hill, New York.
11. Sharma A M, Industrial Relations, Himalaya Publisher House, Mumbai.
12. Sharma R K, Industrial Labour in India, Himalaya Publisher House, Mumbai.
13. Ramaswamy E A, Ramaswamy Uma, Industry and Labour,
14. Memoria & Gankar(2002), Dynamics of Industrial Relation in India, Himalaya, Mumbai.
15. Varma S B, Singh M K, Industrial Relation in Public Sector Undertaking
16. Joshi M V, Labour Economics and Labour Problems, Atlantic Publisher and Distributors, New Delhi.
17. Arora M (1999), Industrial Relations, Excel Books, New Delhi.

SEMESTER-II

EC- 02 ECONOMETRICS - II

1: Basic Econometrics

[10]

Nature, meaning and scope of Econometrics - two variable and general linear model-assumptions. Estimation and properties of the LSE - Gauss - Mar off Theorem - Concept and derivation of R² and adjusted R²; Test of significance confidence intervals, ANOVA Estimation of Non-Linear relationships.

2: Econometric Problems – I

[10]

Nature, deletion consequences and remedial measures-problems of multicollinearity

3: Econometric Problems – II

[10]

Autocorrelation and Heteroscedasticity

4: Regressions with Qualitative Variables

[10]

Regression with dummy independent variables; testing structural stability of regression models; LPM, Logic probit and tobit models application.

References:

1. Gujarati D.N. & Songeetha (4th Edi) Basic Econometrics, Mc grace Hill, New Delhi.
2. Kmeata J. (1997): Elementary Econometrics University of Michigan Press, New York.
3. Koatsoyiannis (1977): Theory of Econometrics Ncmillau Press Ltd.
4. Krishna K.L. (edt") (1977): Econometrics Application in India. Oxford University Press, New Delhi.
5. Maddala G.S. (1993): Econometric Method and Application, Aldershot, U.K.

SEMESTER –II

ID- 02 AGRIBUSINESS

1. Rural Marketing: [10]

Features, Significance, Scope and Limitations Segmentation in rural marketing – Classification of products and services in Rural marketing –Marketing Mix for rural products. Innovative Distribution Channels like ITC E-choupal, Godrej Adhar, HUL Shakti

2. Agriculture Marketing: [10]

Definition, Scope, Concept and Objectives, Differences in Agricultural and Consumer Marketing, Constraints in Agricultural marketing. Role of Agriculture in Economics Development: APMCS: Agricultural Marketing in India.

3. Agribusiness: [10]

Emerging Branches- Non Conventional forms of Agribusiness- Export potential for farm products- Supporting Services. Cooperative Marketing- Concept, History, Functions- Reasons for slow progress of Cooperative Sector.

4. [10]

Advantages & Limitations of Organized retailing in Agri Inputs and Outputs. Recruitment of Human Resources in Agri. marketing and new trends in Agri Marketing. SCM in Agri Business i.e. Cold Chains, Organized procurement & Warehousing; Agriclincs, Agribusiness center; National Horticultural Mission.

References:

1. S.S. Acharya and N. L. Agarwal, Agricultural Marketing in India, Oxford & IBH Publishing Co Pvt Ltd, Calcutta.
2. Subhash Bhave, Agribusiness Management in India – Text & Cases
3. National Horticultural Mission (www.nhm.nic.in)

SEMESTER – II

ID: 02 RESEARCH METHODOLOGY

(1) Nature and scope of Social Science research, Types of research, Steps of research process, Review of Literature [10]

(2) Data types, measurement scale and methods for data collection: Coding, editing, scrutiny and tabulation of data [Frequency and Cross-tabulation] [10]

- (i) Primary data and Secondary data
- (ii) Cross sectional data, time series data, panel data
- (iii) Scale of measurement: Ratio scale, interval scale, nominal scale, ordinal scale
- (iv) Methods for primary data collection: Interview methods (personal interview, long interview, depth interview), Observation method (Direct observation, Indirect observation), Group discussion (focus group, peer group) method, Questionnaire method (Steps for preparing questionnaire)
- (v) Different sources of secondary data collection In India

(3) Population and sample [10]

- (i) Probabilistic sample
 - (a) Simple random sample (b) Systematic random sample (c) Stratified sample (d) Cluster sample (e) Multistage cluster
- (ii) Non-probabilistic sample
 - (a) Quota sample (b) Convenience sample (c) Judgmental sample (d) Snow-ball sample
- (iii) Different types of bias in sample selection

(4) Writing a research report [10]

- (i) Steps of writing a good research report
- (ii) How to prepare a review of literature?
- (iii) Preparing a bibliography (APA style and MLA style): Citation, foot-note, end-note

References:

1. Anderson, Theodore Wilbur. An Introduction to Multivariate Statistical Analysis. New York: Wiley, 1958
2. Babbie, E & Halley, F.(1998). Adventures in Social Research: Data Analysis using SPSS for W95, Pine Forge Press.
3. Berg, Bruce L., 1995. Qualitative Research Methods for the Social Sciences, Boston: Allyn and Bacon.
4. Bhattacharyya Dipak Kumar, (2007) Human Resource Research Methods, Oxford University Press, New Delhi.
5. Bowen, Bruce and Herbert F. Weisberg, 1980. An Introduction to Data Analysis, San Francisco: W.H. Freeman and Company.
6. Bryman Alan, Business Research Methods, (2008) Oxford University Press, New Delhi.
7. David C Howell, (2007) Statistical Methods for Psychology, Thomson Learning, New Delhi.
8. Donald R Cooper, Pamela S Schindler (2006), Business Research Methods, 9th Edition, The McGraw-Hill Companies
9. Edwards, Allen L. An Introduction to Linear Regression and Correlation., San Francisco: W.H. Freeman, 1976.
10. Ellis, Lee, 1994. Research Methods In Social Sciences, Wisconsin: Brown and Benchmark Publications.
11. Gujarati, D.N. (1988). Basic Econometrics. New York: MacGraw-Hill.
12. Krishnaswamy K. N. (2006) Management Research Methodology Integration of Principles Methods and Techniques, Pearson Education New Delhi.
13. Lapin L.L.(1991). Quantitative Methods for Business Decisions. New York: Harcourt Brace Jovanovich Publishers.
14. Neuman, W.Lawrence, 1994. Social Research Methods: Qualitative and Quantitative Approaches, Boston: Allyn and Bacon.
15. Popper, K.R. (1959), The Logic of Scientific Discovery, New York, NY: Basic Books.
16. Popper, K.R. (1972) Objective Knowledge, Oxford, U.K.: Clarendon.
17. Sirkin R.M. (1995). Statistics for the Social Sciences. Sage.
18. Tabachnick Barbara & Linda S. Fidell (1989). Using Multivariate Statistics. Cambridge: Harper & Row.
19. Triola, M (1997) Elementary Statistics. Addison Wesley.
20. William G Zikmund (2006), Business Research Methods, 7th Edition, Thomson South-Western.
21. Wonnacott, TH & Wonnacott, RJ (1990). Introductory Statistics, 5th Edition. Wiley.

SEMESTER –III

CC- 07 ECONOMICS OF SOCIAL SECTOR

1: Economics of Education

[10]

Education as an instrument for economic growth - Concepts and components of Human capital and Physical capital - Education and its relation to human resources development – Demand for education – private and social demand - private and social costs – Educational planning in developing countries– Educational finance - subsidies – Reforms in education sector

2: Economics of Health

[10]

Definition of health – Health and economic development relationship - Health problems of developed and developing countries - Health care delivery system in India - Goals and Objectives of Health planning in India – Health related millennium development goals and India – National Health policy 2002 - Indicators of reproductive and child health

3: Demographical Aspects

[10]

Broad demographic features of Indian population; Meaning and scope of the study of demography – measures of population change and distribution - - Theories of population - Leibenstein's theory of population – theory of demographic transition - Structure of population – Concept of demographic dividends - Details of census 2001 - Concepts of fertility, neutrality and mortality - TFR, GRR, IMR, CMR- MMR, LER, - factors affecting fertility – socio-economic factors, economic status, health education, nutrition caste religion - Concepts of migration-types – factors affecting migration –

4: Environmental Issues

[10]

Concept of environmental economics – nature and scope of environmental economics - Inter-linkages between economy and environment - laws of thermodynamics - People's participation in the management of common and forest lands; The institutions of joint forest management and the joint protected area management - Social forestry - rationale and benefits. Types of Environmental pollution and its impact on health – Instruments for environmental policy

References:

1. Agarwala, S.N. (1972)., India's Population Problems. TMG.
2. Bose, A(1996), India's Basic Demographic Statistics., BV.R.Publishing Corporation, New Delhi
3. Blaug Mark: Economics of Education, Penguin, London (1970).
4. Chenery H and Srinivasan T.N. (Eds) (1989), Handbook of Development Economics. Vol. &2.Elsevier, Amsterdam
5. Cohn E.: Economics of Education, Lexington Mass – D.C. Heath Company. (1972)
6. Hanley, N., J. F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
7. Hedge O., Economics of Education, Himalaya Publishers New Delhi.
8. India, Government of (2002) Census 2001
9. Simon, J.L (1992) Population and Development in Poor Countries. Princeton University Press
10. Srinivasan K (1998) Basic Demographic Techniques nad Applications, Sage, New Delhi
11. Jandhyala B.G. Tilak,(1985) Economics of Inequality in Education., Sage Publications, NewDelhi
12. Kolstad, C. D. (2000), Environmental Economics, Oxford University Press, Oxford.
13. Park K (2005). Textbook of preventive and social medicine: Bhanot Publishers, Jabalpur.
14. Psacharopoulos George P & Woodhall M.: Education for Development, New York – Oxford University Press. (1985)
15. Reddy Shiva B, Education and Rural Development in India, UNESCO: International Institute of Educational planning, Paris (2000)
16. John Vaizey, Economics of Education
17. Singh, K and Sisodhia A. (2007) Environmental Economics, Sage Publications.

SEMESTER –III

CC- 08 ENVIRONMENTAL ECONOMICS

1: Welfare economics and environment

[10]

Pareto optimality and competitive equilibrium – fundamental theorems of welfare economics – property rights - Environmental externalities and market failure- - Common property resources - meaning and the problem – rights and ownership of Common Property Resources and Commonly Pooled resources

2: Measurement of Environmental values

[10]

Types of environmental values – Use-value and non-use values - Valuation methods - methods based on observed market behavior – Hedonic Property values and household production models - Travel cost method - methods based on response to hypothetical markets – contingent valuation methods

3: Theory of environmental policy

[10]

Environmental externalities - Taxonomy of Market based Instruments – command control instruments – Review of environment protection policies at global level – Environmental Kuznets curve - Concept of Sustainable Development- Environment-development trade off - Indicators of environmental sustainability and performance – Concept and importance of Environmental Impact Assessment - environmental audit and accounting

4: Environmental and Natural Resources Problems in India

[10]

Environmental regulation in India – Role of State and Central Pollution Control boards – Policy Instruments for controlling Water and Air Pollution – Environmental Protection Act – Forest Policy – National Natural Resources Management System (NNRMS) – objectives, policy and achievements – Economic development and environmental degradation

References:

1. Baumol, W. J. and W. E. Oates (1988), The Theory of Environmental Policy, (2nd Edition), Cambridge University, Press, Cambridge.
2. Bhattacharya, R.N (Ed) (2001): Environmental Economics – An Indian Perspective; OUP
3. Bromely, D. W. (Ed.) (1995), Handbook of Environmental Economics, Blackwell, London.
4. Fister, A. C. (1981), Resource and Environmental Economics, Cambridge University
5. Hanley, N., J. F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
6. The Hindu (2003): Survey of Environment, Madras
7. Hussen, A. M. (1999), Principles of Environmental Economics, Routledge, London.
8. Kolstad, C. D. (2000), Environmental Economics, Oxford University Press, Oxford.
9. Markandva, A. and J. Richardson (Eds.), The Earth Scan Reader in Environmental Economics, Earth Scan, London.
10. Pearce, D. W. and R. K. Turner (1991), Economics of Natural Resource Use and Environment, Johns Hopkins, University Press, Baltimore
11. Sengupta, R (2001); Ecology and Economics – A Approach to Sustainable Development, OUP New Delhi
12. Sankar, U (2001); Environmental Economics, OUP, New Delhi
13. Karpagam, M (2007): Environmental Economics: A Text Book – Sterling, New Delhi.

SEMESTER – III

CC-09 THEORIES OF GROWTH AND DEVELOPMENT

1: Economic Growth

[10]

Economic growth and development - Factors affecting economics growth - capital, labour and technology: Growth models - Harrod and Domar, Instability of equilibrium: Neo Classical growth models - Solow and Meade, Joan Robinson's Growth Model: Cambridge criticism of Neo classical analysis of growth; the capitalist controversy.

Technology and Economic development, ; Growth Models of Kaldor and Hicks, Pasinetti, optimal savings ; Golden rule of Accumulation - Money and Economic Growth - Endogenous Growth - Role of Human Capital - A.K. Sen's Thesis of development - Explanation of cross country differentials in economic growth.

2: Theories of Development & Approaches to Development

[10]

Classical theory of development - contributions of Adam Smith, Ricardo and Malthus, Karl Mark and Development of capitalistic economy - theory of social change and surplus value and profit - immutable laws of capitalistic development - crises in capitalism - Schumpeter and capitalistic development; Innovation - role of credit, profit and degeneration of capitalism; structural analysis of development; imperfect market paradigm;

Approaches to Development:-Partial theories of growth and development-vicious circles of poverty: Unlimited supply of labor Big Push Balanced Growth Unbalanced Growth Critical Minimum Effort theirs. Dualism-Fei-and Rains - Dependency theory of Development-structural view of Dev.

3: Sectoral Aspects of Development

[10]

Role of agricultural in eco Dev. Efficiency and Productivity in Agri. New Technology .and sustainable agri. Globalization and agri. growth, Rationale and pattern of Industrialization in development countries. Labor

4: Allocation of Resources:

[10]

Need for investment criteria in Developing countries-Present V/s Alternative investment criteria-Cost-benefit analysis-shadow prices - project evaluation.

References:

1. Behrman S and Srinivasan T (1995), Handbook of Development Economics, Vol – 3, Elsevier Amsterdam.
2. Ghatak S (1986): An Introduction to Development Economics Allen and Unwin
3. Gillis M (et.al)(1992) Economics of Development WW Norton, New York
4. Barrell, R.; G Mason and M.O Mahoney (2000). Productivity Innovation and Economic Performance CUP , Cambridge
5. Sen. A.K(ed)(1990): Growth Economics,Penguin,Harmondsworth
6. Dasgupta,P (1993) : An Enquiry into Well Being and Destitution John Wiley New York
7. Mehrotra S And J Richard(1998): Development with a Human face OUP,New Delhi
8. Meier G M and Seers D (1984): Pioneers in Development OUP, New York.
9. Thirlwall A P (2007) :Growth & Development :With Special Reference to Developing Economics,Palgrave Macmillan, New York
10. Malinvaud Edmond (1997) :Development Strategy and Management of the Market Economy,Vol–1,Oxford University Press ,New York
11. Preston P.W (1999) : Development Theory : An Introduction, Blackwell Publishers,U.K
12. Higgins Benjamin (1996) : Economic Development : Problems, Principles & Policies, Universal Book Stall, New Delhi
13. Misra S K and Puri V K (2005) :Economics of Development and Planning : Theory and Practice, Himalaya Publishing House ,Mumbai
14. Jetli K Narindar and Sethi Vishal (2007) : Infrastructure Development in India, New Century Publication, New Delhi
15. Guhan S & Subramanian S (2001) : India's Development Experience, Oxford University Press ,New Delhi
16. Solow Robert M (2000): Growth Theory : An Exposition_2nd Ed.,Oxford University Press, New Delhi
17. Meier Gerald M & Rauch James E (2000) : Leading Issues in Economic Development, Oxford University Press, New Delhi.

SEMESTER: III
EC- 03 ECONOMICS OF HUMAN RESOURCES - III
(THEORIES AND ISSUES)

1: Module -1

[10]

Demand and supply of labour – characteristics and types of labour market – Backward bending labour supply function - Economics of migration - Concepts of migration-types – factors affecting migration – Types and factors affecting Brain-drain -

2: Module – 2

[10]

Demography of female population: Age structure, Mortality rates and Sex ratio. Causes of declining sex ratios and fertility rates in LDCs with special reference to India - Gender and population control policy with special reference to India – Factors affecting the female labour market – Gender discrimination

3: Module - 3

[10]

Types of wages –classical and neo classical theories of wage determination - marginal productivity theory – Wage bargaining theories - models of wage determination – Wage differentials and factors affecting – Wage regulation in India and its implementation - wage policy and the need for – wage and non-wage components – Productivity and wage relationship - Share of wages in National income -

4: Module - 4

[10]

Unemployment in India – nature, magnitude, causes, remedies for - Social security and foundations for social security in India – labour legislations in India – ILO and international labour standards – concept of decent work - sources of labour statistics -

References:

1. Banerjee,D (2007). “Trends in Wage and Income Differentials” In Indian Journal of Labour Economics, Vol.50(4), pp. 891-902. December.
2. Bhalla,G.s (2008) “Globalisation and Employment Trends in India” Indian Journal of Labour Economics , Vol. 51(1). Jan-March. Pp. 1-24.
3. _____(2005). Globalisation, Industrial Restructuring and Labour standards: Where India meets Global, Sage, New Delhi.
4. Carrington W.J and Detragiache E (1998). “How big is Brain Drain” IMF Research Department
5. Indian Journal of Labour Economics (2007). Conference Issue.
6. India, Government of (2007). National Commission for Enterprises in the Unorganised sector (NCEUS). Report on Conditions of work and promotion of Livelihoods in the Unorganised sector, New Delhi.
7. _____ “Technical Note on Employment for 11th Plan – Labour Employment and Manpower division, Planning commission , New Delhi.
8. Majumdar, R(2007). “Earning Differentials across social groups: Evidences from India” IN In Indian Journal of Labour Economics, Vol.50(4), pp. 943-954. December.
9. Nagaraj R (2000). “Organised Manufacturing Employment” Economic and Political weekly, Vol 35 (38), pp. 3445-48.
10. Ramaswamy,K.V (2008). “Globalisation, Employment and Labour Market Flexibility” IN Radhakrishna R (Ed). India Development Report, OUP, New Delhi.
11. Unni, J and Rani,U(2003). “Changing structure of Workforce in Unorganised Manufacturing” IN Indian Journal of Labour economics, Vol 46 (4) pp.983-998

SEMESTER – III

EC- 03 AGRICULTURAL ECONOMICS – III

1: Analysis of Agricultural Markets [10]

Introduction – Economics of market demand – Basic demand relationship – The market demand curve – The market demand function – Shifts in market demand curve – Elasticities of demand – Role of intermediaries.

2: Behavior of Agricultural Prices [10]

Cob-web formulation and its relevance in price theory in agricultural sector – Short run price and income instability in agricultural sector – Role of public price and distribution policy stabilization and support policies – Sectoral terms of trade its role in mobilization of market surplus.

3: Topic of Production Economics; Cost & Farm Management [10]

Introduction – Efficiency of resource use – Technical, allocative and economic efficiency – Technological change – Adoption & diffusion of new technology – Risk and uncertainty – Duality - Cost concept – Farm Management.

4: Agricultural production & productivity [10]

Agricultural production Function and Farm Management – Use of production function concept – forms of production function single variable – quadratic form – Cobb Douglas – CES and relevance in Agriculture – Least cost combination of input and identifies the highest profit point – Multiple regression analysis in agricultural production function.

References:

1. Bilgrami.S.A.R.(1996), “ An Introduction to Agricultural Economics”, Himalaya Publishing House, New Delhi.
2. Chaudhary, P.(1972), “Reading in Indian Agricultural Development”, Gerge Allen & Unwin, London.
3. Cohen, R., “The Economics of Agriculture”, Cambridge University Press.
4. Dantwala, M.L. (1996), “Dilemmas of Growth The Indian Experience, Sage Publications, New Delhi.
5. Ghstak, S. and K.Ingerscent (1984), “Agriculture and Economic development Select books”, New Delhi.
6. Heady E.O. and J.Dhillon, “Agricultural Production Functions”,Kalayni
7. Heady E.O., “Economics of Agricultural Production and Resource use”, Prentice Hall India
8. Joshi B.H.(1992), “ An Analytical Approach to Problems of Indian Agriculture : A Theoretical and System Approach”, B.R.Publishing Corporation, Delhi.
9. Joshi G.N.(1992), “A Study of Resource Transfers from Agriculture”, Commonwealth Publishers, New Delhi.
10. R.G.Desai.(2001), “ Agricultural Economics, Models, Problem and Policy Issue”,Himalaya Publishing House, Mumbai.
11. Rao,C.H.(1979), “Farm Size, Resource Use Efficiency and Income Distribution”, Allied Publishers, New Delhi.
12. Rao,C.H.Hanumantha (1994), “Agricultural Growth, Rural Poverty and Enivronmental Degradation in India”, Oxford University Press, New Delhi
13. Sastri R.V.(1996), “Agriculture Economics”, Popular Prakasan,Surat.
14. Schultz, T.W., “ The Economics Organisation of Agriculture”, McGraw Hill
15. Soni,R.N., “Leading Issues in Agricultural Economics”, Srivastara A K.; Chand Mahesh, (1978), Economics Analysis and Management in Agriculture”, Oriental Publishers & Distributor. Allahabad.
16. Thamarajakshi, R. (1994), “Intersectoral Relationship in a Developing Economy”, Academic Foundation, Delhi.

SEMESTER - III

EC- 03 INDUSTRIAL ECONOMICS PAPER – III

1: Indian Industrial Growth and Pattern

[10]

- Industrial Policy in India-Role of Public and Private Sectors
- Recent Trends in Indian Industrial Growth, Mergers and takeovers
- MNCs and Transfer of Technology
- Industrial Economic Concentration and Remedial Measures

2: Industrial Finance

[10]

- Financial Markets – Money market, Capital market, Functions of financial market, Relationship between financial growth and industrial development.
- Sources of finance: Internal and external sources. Role of capital market, SEBI, functions of SEBI
- Financial Institutions. Specialized financial institutions
- Financial statements and Ratio Analysis

3: Current Problem of Selected Industries

[10]

- Iron and Steel; Textile; Jute; Sugar; Coal; Cement and engineering goods.

4: Small Scale Industries

[10]

- Development of Small Scale and Cottage Industries in India
- Development of SSI in Gujarat
- Concept of SMEs and its importance
- Industrial Parks and SEZs.

References:

1. Ahluwalia, I. J. (1985), *Industrial Growth in India*, Oxford University Press, New Delhi
2. Barthwala, R. R. (1994), *Industrial Economics*, Wiley Eastern Ltd, New Delhi.
3. Cherunilam, F. *Industrial Economics, Indian Perspective* (3rd) Edition Himalaya Publishing House, Mumbai.
4. Desai B (1999), *Industrial Economics, Indian* (3rd) Edition Himalaya Publishing House, Mumbai.
5. Divine P. J. and R. M. Jones et al. (1996) *An Introduction to Industrial Economics*, George Allen and Unwin Ltd, London.
6. Government of India, *Economics Survey (Annual)*
7. Hay, D. and D. J. Morris, (1979), *Industrial Economics, Theory of Evidence*, Oxford University Press, New Delhi.
8. Kuchhal S.C. (1980), *Industrial Economics, Indian* (5rd) Edition Chaitany Publishing House, Allahbad.
9. Reserve Bank of India, *Report on Currency and Finance (Annual)*
10. Singh A. and A. N. Sadhu (1988), *Industrial Economics*, Himalaya Publishing House, Mumbai.
11. Bains, J. S. (1996), *Industrial Organization*, Cheltenham, U. K.
12. Harndeen, J.B. (1975), *The Economics of Corporate Economy*, Dunelle Publishers, New York.
13. Wiles P.G.D. (1963), *Price, Cost, and Output*, Praeger, New York.
14. Brahmaananda, P. R. and V.R. Panchamukhi (Eds.). (1987), *The Development Process of The Indian Economy*, Himalaya Publishing House, Bombay.
15. Chakravarty, S. (1987), *Development Planning. The Indian Experience*, Oxford University Press, New Delhi.
16. Dhameeja, N. and K.S. (1998), *Privatization. Theory and Practice*, A. f. Wheeler New Delhi.
17. Jalan, B. (1996), *India' stock Economic Policy*, Viking, New Delhi
18. Joshi, V and I.M.D. Little (1999) *India : Macro Economics and Political Economic 1964-1991*, Oxford University Press, New Delhi.
19. Sandesara, J.C. (1992), *Industrial Policy and Planning -1947-1991. Tendencies Interpretations and Issues*, Sage Publication, India Pvt. Ltd New Delhi.
21. Gupta, L.C.(1969) *The Changing Structure of Industrial Finance in India*, Oxford University Press, New Delhi
22. Khan, M.Y.(1981) *Indian Financial Systems*, Allied Publishers, New Delhi.
23. Fog, B. (1959), *Industrial Pricing Policies*, North Holland, Amsterdam.
24. Koulsoyiannis, A. (1979) *Modern Microeconomics*, Macmillan New York.
25. Das, N. (1969) *The public sector in India*, Vora and Company, Bombay.
26. Gosh, P.K. (1977) *Government and Industry*, Oxford University Press, New Delhi.
27. Sandesara, J.C. (1982). *Industrial Growth in India: Performance and Prospects* Lajpat Rai College, Bombay.

SEMESTER – III

EC- 03 ECONOMETRICS-III (MATHEMATICAL ECONOMICS)

1: Income Determination [10]

- Classical and Keynes' macro system
- Static and Dynamic Multiplier
- Determinants of Investment
- Samuelson – Hicks Model
- Intevation Model

2: Growth Models [10]

- Harrod-Domar
- Neoclassical
- Solow Models
- Growth Models with Technical Progress

3: Game Theory & Linear Programming [10]

- Linear Programming
- Graphical and Simplex Methods, Duality Theorems
- Applications in Economics
- Two Person Zero Sum Game, Pure and Mixed Strategies
- Maximin and Minimax Principles

4: Input – Output Analysis [10]

- Input-Output Analysis
- Leontief's Open and Closed Models
- Hawkins-Simon Conditions
- Leontief's Dynamic System

References:

1. Allen, R.G.D (1976): Mathematical Economics, Mac Millan, London.
2. Arrow, K.J. and Intelligator (edt) (1982): Handbook of Mathematical Economics, Vol. 1, 2 & 3, North – Holand, Amsterdam.
3. Hernderson, J.M. and Quaudt, RE (1980): Micro-economic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
4. Chiang , A.C. (1986): Fundamental Methods of Mathematical Economics , McGraw – Hill , NewYork
5. Economics, Schaum's Outline Series, McGraw Hill Inc., New Delhi.

SEMESTER –III

ID-03 BUSINESS ENVIRONMENT

1. ECONOMIC ENVIRONMENT

[10]

concepts and significance of Economic environment, components of economic environment, types of economic system like mixed economy, socialism and capitalism. National income and distribution, and its implications on Business. Monetary policy and Fiscal policy. Industrial policy and Five years plans.

2. SOCIAL ENVIRONMENT

[10]

Concept and significance of social environment. Interdependence of business and society. Culture and organization, social responsibility of business and trusteeship management, business ethics, management education India, Problems and challenges before Indian manager. Chamber of Commerce.

3. TECHNOLOGICAL ENVIRONMENT

[10]

concept and significance, impact of technology on firm and country, total quality management(TQM), International Organization for Standardization (ISO), Technological choice and the impact of technology on ecology, usefulness of technology for the growth of mankind. Role of Government, Business and Society, Social Responsibility of Business.

4. POLITICAL ENVIRONMENT

[10]

Concept and significance, impact of political environment on Business

REFERENCES:

1. **Francis Cherunilam** , (2003) 3 rd Edition, *Business Environment*, Himalaya Publication.
2. **Ruddar Dutt & Sundaram** , (2004) 48 th ED, *Indian Economy*, S. Chand & Co. Ltd, New Delhi.
3. **Aswathappa** , (2001), *Essential of Business Environment*, Himalaya Publication House, Mumbai.

SEMESTER - III

ID-03 INTERNATIONAL TRADE POLICY AND INSTITUTIONS

1: The Theory of Regional Blocs [10]

- Forms of Economic Cooperation
- Reforms for the Emergence of Trading Blocks at the Global Level
- Static and Dynamic Effects of a Customs Union and Free Trade Areas
- Rationale and Economic Progress of SAARC/SAPTA and ASEAN Regions
- Problems and Prospects of Forming a Customs Union
- Regionalism (EU,NAFTA)
- Multilateralism and WTO

2: Gold Standard and International Monetary Systems [10]

- Rise and Fall of Gold Standard
- Bretton-Woods System
- Emerging International Monetary System
- Reform of the International Monetary System
- India and Developing Countries
- Theory of Short-Term Capital Movements

3: International Institutions [10]

- International Trade and Financial Institutions
- Functions of GATT/WTO (TRIPS,TRIMS),IMF,World Bank
- Asian Development Bank- Their Achievements and Failures
- WTO and World Bank From Point of View of India

4: Trade Policies in India [10]

- Trade Problems and Trade Policies in India During the Last Five Decades
- Recent Changes in the Direction and Composition of Trade and Their Implications
- Rational and Impact of Trade Reforms Since 1991 on Balance of Payments, Employment and Growth
- Problems of India's International Dept
Working and Regulations of MNCs in India

References:

1. Bhagwati, J. (Ed.) (1981), International Trade, selected Readings, CUP, Massachusetts.
2. Chacholiades, M. (1990) International Trade: Theory and Policy, McGraw Hill, Kogakusha. Japan.
3. Kenen, P.B. (1994) The International Economy, Cambridge Univ. Press, London.
4. Kindleberger, C.P.(1973) International Economics, R. D. Irwin, Homewood.
5. Salvatore, D. (1997). International Economics, The Macmillan Press Ltd. London.
6. Bhagwati, J.(Ed._ (1981). International Trade : Selected Readings, Cambridge University Press,Mass.
7. Greenway,D.(1983). International Trade Policy, Macmillan Publishers Ltd. London.
8. Heller, H. Robert(1968). International Money : Issues and Analysis. The ELBS and Nelson.
9. Yeager, L.B. (1967), International Monetary Relations : Theory and Policy, Harper and Row, New York.
10. Brahmananda, P.R. (1982). The IMF Loan and India's Economic Future, Himalaya Publishing House, Bombay.
11. Grable, J.O.(1960) International Financial Markets, Prentice Hall, Englewood Clifis, New York.
12. Kindleberger, C.P.(1966). A History of Financial Crisis : Manias, Panics and Crashes, (3rd Edition) John Wiley and Sons, New York.
13. - Manmohan Singh (1964). India's Export Trends and the Prospects for Self-sustained Growth, Oxford University Press, New Delhi.
14. -Panchmukhi, V.R. K.M. Raipura and R. Tandon (1987). Money and Finance in World Economic Order (RIS), Indus Publishing Co. Delhi.
15. Whallry, john (1985), Trade Liberalization Among Major Trading Areas, Oxford Cambridge University Press Mass.
16. Bhagwati, J. and P. Desai (1970), India's Economic Planning for Industrialization, Oxford University Press London.
17. Joshi, V. and I. M. D. Little (1998), India's Economic Reforms, 1999-2000, Oxford University Press, New Delhi.
18. Patel, S. J., (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.
19. Verma, M. L. (1995), International Trade, Vikas Publishing House Pvt., Delhi. International.
20. Sodersten B and Reed G (1994) : International Economics,Macmillan Press Ltd,London
21. www.wto.org for Trade related negotiations.

SEMESTER – IV

CC-10 THEORIES OF INTERNATIONAL TRADE

1: Theory of International Trade

[10]

- The Pure Theory International Trade
- Theories of Absolute Advantage, Comparative Advantage and Opportunity Costs
- Modern Theory of International Trade
- Theorem of Factor Price Equalization
- Empirical Testing of Theory of Absolute Cost and Comparative Cost
- Heckscher-Ohlin Theory of Trade
- Role of Dynamic Factors; i.e., Changes in Tastes
- Technology and Factor Endowments in Explaining the Emergence of Trade
- The Rybczynski Theorem – Concept and Policy Implications of Immiserizing Growth

2: Measurement of Gains

[10]

- Measurement of gains from Trade and their Distribution
- Concepts of Terms of Trade, Their Uses and Limitations
- Hypothesis of Secular Deterioration of Trade, Its Empirical Relevance and Policy Implications for Less Developed Countries
- Trade as an Engine of Economic Growth
- Welfare Implications – Empirical Evidence and Policy Issues

3: The Theory of Interventions

[10]

- Tariffs, Quotas and Non-Tariff Barriers
- Economic Effects of Tariffs and Quotas on National Income, Output Employment, Terms of Trade, Income Distribution
- The Political Economy of Non-Tariff Barriers and Their Implications
- Nominal, Effective and Optimum Rates of Tariffs – Their Measurement, Impact and Welfare Implication

4: Balance of Payments

[10]

- Meaning and Components of Balance of Payments
- Equilibrium in the Balance of Payments
- The Process of Adjustment Under Systems of Gold Standard, Fixed Exchange Rates and Flexible Exchange Rates
- A Critical Review of the Monetary Approach to the Theory of Balance of Payments Adjustment
- Foreign Trade Multiplier.
Relative Merits and Demerits of Fixed and Flexible Exchange Rates in the Context of Growth and Developing Countries

References:

1. Bhagwati, J. (Ed.) (1981), International Trade, selected Readings, CUP, Massachusetts.
2. Chacholiades, M. (1990) International Trade: Theory and Policy, McGraw Hill, Kogakusha. Japan.
3. Kenen, P.B. (1994) The International Economy, Cambridge Univ. Press, London.
4. Kindleberger, C.P.(1973) International Economics, R. D. Irwin, Homewood.
5. Salvatore, D. (1997). International Economics, The Macmillan Press Ltd. London.
6. Bhagwati, J.(Ed._ (1981). International Trade : Selected Readings, Cambridge University Press,Mass.
7. Greenway,D.(1983). International Trade Policy, Macmillan Publishers Ltd. London.
8. Heller, H. Robert(1968). International Money : Issues and Analysis. The ELBS and Nelson.
9. Yeager, L.B. (1967), International Monetary Relations : Theory and Policy, Harper and Row, New York.
10. Brahmananda, P.R. (1982). The IMF Loan and India's Economic Future, Himalaya Publishing House, Bombay.
11. Grable, J.O.(1960) International Financial Markets, Prentice Hall, Englewood Clifis, New York.
12. Kindleberger, C.P.(1966). A History of Financial Crisis : Manias, Panics and Crashes, (3rd Edition) John Wiley and Sons, New York.
13. - Manmohan Singh (1964). India's Export Trends and the Prospects for Self-sustained Growth, Oxford University Press, New Delhi.
14. -Panchmukhi, V.R. K.M. Raipura and R. Tandon (1987). Money and Finance in World Economic Order (RIS), Indus Publishing Co. Delhi.
15. Whallry, john (1985), Trade Liberalization Among Major Trading Areas, Oxford Cambridge University Press Mass.
16. Bhagwati, J. and P. Desai (1970), India's Economic Planning for Industrialization, Oxford University Press London.
17. Joshi, V. and I. M. D. Little (1998), India's Economic Reforms, 1999-2000, Oxford University Press, New Delhi.
18. Patel, S. J., (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.
19. Verma, M. L. (1995), International Trade, Vikas Publishing House Pvt., Delhi. International.
20. www.wto.org, for latest negotiations on trade.

SEMESTER –IV

CC- 11 INDIAN ECONOMIC POLICY

1: Economic Development and Planning in India [10]

Objectives of Five year plans – Approaches to economic planning and development – Strategies – Plan outlays under various heads – Achievements and Failures of plans.

2: Infrastructure [10]

Importance of various types of Infrastructure – Growth of surface – railways- air – sea transport; problems and prospects; Energy – Issues and policies of financing in energy sector – Social Infrastructure – Health and Education.

3: Sectoral Development – Industry, Agriculture & Service Sector [10]

Industrial Policy, Public sector enterprises and their performance - Privatization and Disinvestments debate - Exit policy – Issues in labour market reforms - Approaches for employment generation; Technological and Institutional changes in Agriculture – Issues in food security – Policies for sustainable Agriculture; Growth and Development in Services Sector.

4: Economic Reforms [10]

Rationale of internal and external reforms – Globalization of Indian Economy – W.T.O, F.I.Is and F.D.I and their impact on the different sector of the economy – Need for and issues in good governance.

References:

1. Ruddar Datt & K.P.M. Sundharam (2008), Indian Economy, 58th ed.,S.Chand & Company LTD,New Delhi.
2. S.K.Misra & V.K.Puri (2009), Indian Economy, 22nd ed.,Himalaya Publishing House,Mumbai.
3. Agarwal A.N(2004),Indain Economy,Wishwa Prakashan,New Delhi
4. Ahluwalia I.J. and I.M.D.Little (1999),India's Economic Reforms and Development(Essays in honour Manmohan Singh),Oxford University Press,New Delhi
5. Brahmananda P.R and V.R.Panchmukhi (2001), Development Experience in the Indian Economy:Inre-state perspectives,Bookwell,New Delhi.
6. Datt R, (2001), Second Generation Economic Reforms in India,Deep and Deep Publication,New Delhi.
7. Jalan B(1996),India's Economic Policy – Preparing for the Twenty First Century,UBS Publisher's,New Delhi
8. Reserve Bank of India,Report on Currency and Finance(Annual)
9. Sen R K and B Chatterjee (2001), Indian Economy:Agenda for 21st Century (Essays in honour of Prof. P R Brahmananda),Deep & Deep Publications,New Delhi.
10. Mungekar Bhalchandra,Nachane Dilip & Rao Manohar (2001),Indian Economy in the New Millennium,Himalaya Publishing House.
11. Chandern E.(2006),Indian Economy,Cosmos Bookhive's,Gurgaon

SEMESTER – IV

CC- 12 COMPUTER APPLICATIONS IN ECONOMIC ANALYSIS

(1) Introduction ; MS-EXCEL [10]

- | | |
|------------------------------|---|
| (i) Fundamentals of Computer | (iii) Use of Computer in Social and Economic Analysis |
| (ii) Importance of Computer | |
| (i) Introduction to MS-Excel | (iv) Interface with other software |
| (ii) Some basic commands | (v) Functions in MS-Excel |
| (iii) Graphs in MS-Excel | |

(2) Statistical Analysis with MS-Excel [10]

- | | |
|---------------------------------|-------------------------------------|
| (i) Measure of Central Tendency | (iv) Linear Correlation (Bivariate) |
| (ii) Measures of Dispersion | (v) Linear Regression (Bivariate) |
| (iii) Skewness | (vi) Applications in Economics |

(3) Introduction to SPSS [10]

- | | |
|-------------------------------------|-----------------------------------|
| (i) Some basic commands | (iv) Compute variables |
| (ii) Data entry, defining variables | (v) Interface with other packages |
| (iii) Select Cases | |

(4) Data Analysis with SPSS [10]

- | | |
|--|--|
| (i) Descriptive Analysis | (vi) Creating Dummy and Lag variables |
| (ii) Frequency Distribution | (vii) Analysis of variance |
| (iii) Cross tabulation | (viii) Parametric and Non-Parametric tests |
| (iv) Measures of Central tendency and Dispersion | (ix) Application in Economic |
| (v) Liner Correlation and Regression (Bivariate) | (xi) Internet and its use |

Assessment Scheme

For Regular student

<u>Internal Marks</u>	: 30 Marks	<u>External Marks</u>	: 70 Marks
		Project /Term paper	: 50 Marks
		Viva-Voce examination	: 20 Marks

Total Marks: 30 + 70 = 100

Teaching requirement (Per Week) : 2 hours Theory + 4 hours Laboratory [Batch of 40 to 50 students]

NOTE: THERE IS NO WRITTEN EXAMINATION IN THIS PAPER. STUDENT HAS TO SUBMIT PROJECT

References:

1. Bharihoke Deepak, 'Fundamental of Information Technology', Excel books, New Delhi
2. Bhatt Asmita, 'The internet and E-mail', Navneet Publications (India) Limited, Ahmedabad
3. Blattner & Ulrich, 'Using Microsoft Excel 2000', Printice Hall of India (P) Ltd, New Delhi
4. Chauhan Bhavesh, 'A complete guide to Internet', Venus publication, Ahmedabad
5. Coakes Sheridan, Steed Lyndall and Dzidic Peta (2007), 'SPSS 13.0 for Windows: Analysis without Anguish', Wiley student edition, Wily and sons Australia Ltd, Wiley India (P) Ltd, New Delhi
6. Craver and Nash (2006), 'Doing data analysis with SPSS 14', Brooks/Cole, Cengage learning India Private Limited, New Delhi
7. George Darren (2007), 'SPSS for Windows Step by Step: A simple guide and reference', 6th Ed, Pearson Education Inc. Delhi, India
8. Gookin Dan, 'Dos for Dummies', Comdex Computer publishing, New Delhi
9. Gupta Vikas, 'Comdex Linux and Open office course kit', Dream tech press, New Delhi
10. Hunt Roger & Shelly John (1999), 'Computer and Commonsense', Prentice Hall of India, New Delhi
11. Levin, Stephen, Krehbiel and Berenson (2007), 'Statistics for Managers using Microsoft Excel', Person Education Inc, New Delhi
12. Murthy C S V, 'Fundamentals of Computers', Himalaya Publishing House, Mumbai
13. Pandya Kiran & Bulsari Smruti (2009), 'SPSS for beginners', Popular Prakashan, Surat
14. Pandya Kiran & Bulsari Smruti, 'Computer Application in Economic Analysis', Popular Prakashan, Surat
15. Pandya Kiran & Bulsari Smruti, 'Enjoy Statistics with SPSS', Popular Prakashan, Surat
16. Pandya Vimal, 'Office 2000', Computer world, Ahmedabad
17. Rajagopalan S P (2000), 'Computer Application in Business', Vikas Publishing House Pvt. Ltd, New Delhi
18. Rajaraman V, (2004) 4th Ed, 'Fundamentals of Computers', Prentice Hall of India (P) Ltd, New Delhi
19. Salvator Dominick (2008), VIth Edi (adapted version) 'Managerial Economics: Principles and worldwide applications', Oxford University Press, New Delhi
20. Shah Sonal, 'MS-Office (Gujarati)', Popular Prakashan, Surat
21. Shah Tejas, 'Microsoft Office 2000', Computer world, Ahmedabad
22. Sheshasaayee Ananthi (2002), 'Computer Application in Business and Management', Margham Publications, Chennai
23. Srirengan K, 'Understanding Unix', Prentice Hall of India (P) Ltd, New Delhi

SEMESTER –IV

CC-12 BANKING AND INSURANCE

1. Role, Functions, Organizational Structure of Banking – [10]
Definition of Banking-Principles of Banking - Types of commercial Banks- Functions of modern Bank – Limitations, Concept of liquidity –Profitability-Balance Sheet Analysis - RBI and its role.

2. Modern Banking - [10]
Tele Banking- Home Banking-Interlink Branch Banking, Marketing of Banking Services-Online Banking-Computerization in Banking field-Demand Draft mail, Telegraphic and telephonic Transfer-Credit and debit card, ATM, Modern Trends in Banking, Different means of remittances.

Insurance

3. Meaning, Importance of Insurance & Regulation in Insurance – [10]
Principles of Insurance-Kinds of Insurance-Evolution of Insurance
Regulation and development - Introduction - A Brief History - Insurance Business – An International comparison - Privatization of Insurance Industry - Players in the Insurance Market, IRDA.

4. Life Insurance, Marine Insurance, Fire Insurance [10]
Definition, Principles, Policy, Procedure –Mediclaim policy-Privatization of life Insurance
And General Insurance – Recent trends

References:

1. Srivastva P K: Banking Theory & Practices (2003), Himalaya Publishing House, Mumbai.
2. Shekhar K C: Banking Theory & Practices (2005), Vikas Publishing House, New Delhi.
3. Kaptan S.S & Choubey N S: Indian Banking in Electronic Era (2003), Sarup & Sons, New Delhi.
4. Icfai University Press: International Banking (2006), Hyderabad.
5. Radhakrishnan T S: Principles of Banking (2005), Macmillan India Limited, New Delhi.
6. Bodla B.S.; Garg M.C.: Insurance: Fundamentals, Environment and Procedures (2004), Deep & Deep Publications PVT Ltd, New Delhi.
7. Tripathy Nalini: Insurance: Theory and Practice (2005), Prentice Hall of India Pvt Ltd, New Delhi.
8. Icfai University Press: Health Insurance (2006), Hyderabad.

SEMESTER – IV

EC- 04 ECONOMICS OF HUMAN RESOURCES - IV

(CURRENT ISSUES IN INDIAN LABOUR MARKET)

1: Child Labour

[10]

Child Labour - Economic problems of child labour – extent of child labour – child labour in organized, unorganized, regulated and unregulated industries- legislative protection for child labour in India – Child labour and the ILO

2: Women Labour

[10]

Women Labour – Increasing participation in Industries – Nature of work - working conditions – legislative measures for the welfare of women workers - suggestions for improvement - Labour welfare – present conditions of Indian Labour - problems and suggestions

3: Industrial relations machinery

[10]

Industrial relations machinery – scope for collective bargaining in India - achievements and failures of trade union movements - Labour reforms and WTO – ILO National Labour commission - Employee state insurance

4: Trade Union Movement in India and abroad

[10]

Trade Union Movement in India and abroad - importance, definition and features of trade union – objectives of trade unions – problems and trends - causes of Industrial disputes – settlement of - right to strike and supreme-court judgments – suggestions to curb industrial strikes – Labour absenteeism – Labour productivity

References:

1. Arora, M (1999). Industrial relations. Excel Books, New Delhi
2. Ashdir,V(1987). Industrial Relations in India (Settlement of Industrial Disputes). Deep and Deep, New Delhi.
3. Deshpande,L.K and Sandesara,J (1970). Wage policy and Wage Determination in India, Bombay University Press, Bombay.
4. India, Embassy of (1997)._“Child Labour and India – Policy Statement – MOU Between India and ILO._Washington, December 3.
5. Joshi, M.V (1999)._Labour Economics and Labour Problems_Atlantic Publishers, New Delhi.
6. Mamoria,M.G (2000). Dynamics of Industrial Relations in India,___ Himalaya, Bombay.
7. Papola T.S (ed) et.al. (1993). Labour and Employment_ McGraw Hill, New York.
8. Thakur,C.P(2003). “Emerging Pattern of Industrial Relations: From reality check to some Speculation” In Indian Journal of Labour economics, Vol 46(4) pp. 637-650.
9. Varman, R and Chakrabarti,M(2003). “Workers’ struggles in Times of Globalisation: A Critique of Trade Unions in Historical Perspective: IN Indian Journal of Labour Economics, Vol. 46(4) pp. 667-684.

SEMESTER – IV

**EC- 04 AGRICULTURAL ECONOMICS – IV
(PROBLEMS OF INDIAN AGRICULTURE AND POLICY)**

1: Land utilization and Cropping Pattern [10]

Land Utilization and Cropping Pattern – Land use Planning – Change in Land Utilization Pattern – Cropping Pattern – Area Under Food and Non Food Grains – Dry Land Farming Food Grains - Non – Food Grains, dry land Farming

2: Agricultural Labour and Agricultural Price [10]

Agricultural Labour and Rural Unemployment – Rural / urban unemployment – Rural Industrialization – Condition of Agricultural Labourers
Agricultural Price Policy – Terms of trade – Inter sector terms of trade – Need of Agricultural price Policy

3: Agricultural Finance [10]

Agricultural Finance – Agricultural Credit and Financial agencies – NABARD – Co-operative credit system – Capital formation in Indian Agriculture.

4: W.T.O and Indian Agriculture [10]

W.T.O. – International tread - Liberalization and Indian Agriculture – Liberalization of External sector and Indian Agricultural Policy

References:

1. Bardhan, P. (1984), "Land, Labour and Rural Poverty", Oxford University Press, New Delhi.
2. Bhalla. G.S(1994), "Economic Liberalization and Indian Agriculture" Institute for studies in Industrial Development, New Delhi.
3. Bhardwaj,K.(1974), " Production condition in Indian Agriculture", Cambridge University Press, Cambridge.
4. Chandha, G.K. and A.N. Sharma (1997), Growth, Employment and Poverty : Change and Continuity in Rural India", Vikas Publishing House, New Delhi.
5. Dantwala,M.L.et .al (1991), "Indian Agricultural Development Since Independence", Oxford & IBH, New Delhi.
6. Dawan, B.D.(1988), "Irrigation in India's Agricultural Development", sage Publication, New Delhi.
7. Desai, G. and A.Vailyanathan (Eds.) (1995), "Strategic Issues in future Growth of Fertulliser Use in India", Macmillian, New Delhi.
8. Gulati Ashok ; Kelley Tim, (1999), "Trade liberalization & Indian Agriculture", Oxford University Press, New Delhi.
9. Gulati, A. and T. Kelly (1999), "Trend Liberalization and Indian Agriculture", Oxford University Press, New Delhi.
10. Haque, T. and A S Charan. Sirohi (1986), "Agrarian Reforms and Institution Changes in India", Concept Publishing Company, Delhi.
11. Joshi B.H. (1999), "Indian Agriculture Development and Challenges", University Granth Nirman Bord, Ahemdabad.
12. Pandya Kiran, (1996), "Agrarian Structure New Technology and labour in India", Himalaya Publishing house, Mumbai.
13. Rao C. H. Hanumantha, (2005), "Agriculture, Food Security, Poverty and Environment : Essay on Post – Reform India", Oxford University Press, New Delhi.
14. S.S.Acharya & D.P.Chondhri :,(2001), "India Agricultural Policy at the Crossroads", Ed; Rawat Publication, Jaypur.
15. Subbarao, K. and De Janvry (1986), "Agricultural Price Policy and Income Distribution in India", Oxford University Press, New Delhi.
16. Vaidyananthan, A.(1995), "The Indian Economy : Crisis, Response and Prospects", Orient Longmans, New Delhi.
17. Visaria, P. and R.Basant (1994), "Non-Agricultural Employment in India : Trends and Prospects", Sage Publication, New Delhi.
18. Joshi .B.H,(1992), "An Analytical Approach to Problem of Indian Agriculture: A Theoretical and System Approach", B.R.Publishing Corporation, Delhi.
19. Bhall G.S ; Singh Gurmail, (2001), "Indian Agriculture : Four Decades of Development", Sage Publications, New Delhi.
20. Prasad C.S. (2006), "Sixty Year of Indian Agriculture : 1947 to 2007", New Century Publication, New Delhi.

SEMESTER - IV
EC- 04 INDUSTRIAL ECONOMICS – IV
(LABOUR ECONOMICS)

1: Wage Determination **[10]**

- Theories of Wage Determination
- Determination in Various Sectors – Rural, Urban, Organized and Informal Sector
- Importance of Wage Policy
- Wage Policies Under Five Year Plans
- Minimum, Fair and Living Wage
- Dearness Allowance, Profit Sharing and Production Bonus
- Wage Boards in India

2: Industrial Relation **[10]**

- Industrial Relation: Concept, Objectives
- Union Management Relations
- Industrial Disputes – Forms and Causes
- Methods of Settlement of Industrial Disputes
- Collective Bargaining, Mediation, Arbitration
- Trend analysis of industrial disputes in India

3: Trade Unionism **[10]**

- Development of trade unionism in India
- Functions of trade unions
- Organization and structure of trade union in India
- Weakness of trade unions and their remedies
- National Labour Commissions on Labour.
- Growth of trade unions in India
- India and ILO.

4: Labour Welfare and Social Security **[10]**

- Concept, Objectives of Labour Welfare and Social Security,
- State social security schemes and its evaluations,
- Special problems of labour - Child labour, Female labour, discrimination and gender bias in treatment of labour.

References:

1. Papola , T.S., P.P. Ghosh and Sharma (Eds) (1993) , Labour, Employment, McGraw Hill, New York
2. Venkata Ratham , C.S. (2001), Globalization and Labour,- Relation : Dynamics of change, sage Publications /Response Books , New Delhi.
3. Sen, A.k.(1975), Employment, Technology, Development, oxford Press New Delhi.
4. Determination L.K. and J.C. Sandesara (Eds.) (1970). Wage policy and Wage Determination in Inida, Bombay University Press, Bombay.
5. Punekar S.D. (1978), Trade Unionism and Industrial Relations; Himalaya Publishing Bombay.
6. Mistra L (2000), Child Labour in India , OUP, New Delhi.
7. Reveros, L (1990) , Labour Market polices and Labour market Reforms in Socialist Economics.
8. Labour Welfare, Trade Unionism and Industrial Relatioin, Himalaya Publisher House, Mumbai.
9. Monappa Arun (2001), Industrial Relations, Tata McGraw Hill, New York.
10. Sharma A M, Industrial Relations, Himalaya Publisher House, Mumbai.
11. Sharma R K, Industrial Labour in India, Himalaya Publisher House, Mumbai.
12. Ramaswamy E A, Ramaswamy Uma ,Industry and Labour,
13. Memoria, Memoria & Gankar(2002), Dynamics of Industrial Relation in India, Himalaya Publisher House,Mumbai
14. Varma S B, Singh M K, Industrial Relation in Publics Sector Undertaking
15. Joshi M V, Labour Economics and Labour Problems, Atlantic Publisher and Distributors, New Delhi.
16. Arora M (1999), Industrial Relations, Excel Books, New Delhi.

SEMESTER-IV

EC- 04 ECONOMETRICS – IV

1: Dynamic Econometrics Models [10]

Autoregressive and distributed lag models; KOYCK, Partial Adjustment and Adaptive expectations models, causality test, Granger Test.

2: Simultaneous Equation Models - I [10]

Introduction: Bias and inconsistency of OLS estimators Identification problem

3: Simultaneous Equation Models - II [10]

Rank Desk Order conditions (without Derivation)
ILS, 2SLS, Methods (without Derivation)

4: Panel data Techniques [10]

Random coefficients and fixed effects models, Random effect model

References:

1. Gujarati D.N. (2007) Basic Econometrics, Tata Macgraw Hill, New Delhi.
2. Kmenta J. (1997): Elements of Econometrics, University of Michigan Press, New York.
3. Koutsoyiannis, A (1977): Theory of Econometrics Macmillan Press Ltd.
4. Krishna K.L. (ed.) (1997): Econometric Application in India. Oxford University Press, New Delhi.
5. Maddala G.S. (1993): Econometric Methods and Application, Aldershot, U.K.

SEMESTER –IV

ID - 04 ADVANCED STATISTICAL PACKAGES

(Applied advance statistics and econometrics with computer packages)

1. Over views of SPSS, t – test, ANOVA

[10]

Overview of SPSS and Descriptive Statistics Introduction to SPSS; Descriptive Statistics: Measures of Central Tendency, measures of Dispersion, Skewness and Kurtosis, Percentiles; Charts: Line graph, bar graph, histogram; Normality of a variable;. Shapiro - Wilk and Kolmogrow - Smirnov tests of normality; Normal probability plots; Levene’s test for equality of variances. T - tests and ANOVA - T tests – Independent-samples t test, Paired-samples t test, Single sample t test; One – Way Analysis of Variance – One way ANOVA with the Levene test,

2. Correlation, Regression and Multiple Regression

[10]

Bivariate and Partial Correlations - Karl Pearson correlations; Spearman rank correlations; Partial correlations. Simple and Multiple Linear Regression – Fundamentals of regression: The regression model, models with two or more predictors, assumptions of regression model, data screening; Simple and Multiple Linear regression – Estimation and interpretation, Residual statistics, Optional plots and diagnostics.

3. Factor Analysis Cross tabulation with Chi-square test & multiple response analysis

[10]

Fundamentals of Factor Analysis: Steps in Factor Analysis: KMO and Bartlett test for data adequacy, Principal Components Analysis (PCA), Rotation, Practical applications of Factor Analysis; Principal Components with Varimax rotation. Cross tabulation with Chi-square, Multiple Response Analysis: Multiple response frequency, multiple responses cross tabulation.

4. Basic econometric problems in estimation & Time Series Analysis:

[10]

Basic econometric problems in estimation, Autocorrelation, Multicollinearity, hetroscaasticity, Autocorrelation and partial autocorrelation function, ADF test, Stationarity, Leg order selection criteria, Granger Causality, Forecasting in time series analysis, In sample forecasting and our sample forecasting

Teaching requirement (Per Week) : 2 hours Theory + 4 hours Laboratory

NOTE: THERE IS NO WRITTEN EXAMINATION IN THIS PAPER. STUDENT HAS TO SUBMIT PROJECT

References:

- 1) Aczel Amir D and Sounderpandian J (2006), Complete Business Statistics, 6th Edition, Tata MacGraw Hill.
- 2) Anderson David R, (2007) Statistics for Business and Economics, Thomsan Learning, New Delhi.
- 3) Anderson, Theodore Wilbur (1958), An Introduction to Multivariate Statistical Analysis. New York: Wiley
- 4) Babbie, E & Halley, F.(1998), Adventures in Social Research: Data Analysis using SPSS for W95, Pine Forge Press.
- 5) Bowen, Bruce and Herbert F. Weisberg, (1980), An Introduction to Data Analysis, San Francisco: W.H. Freeman and Company
- 6) Bryman Alan, Business Research Methods, (2008) Oxford University, Press, New Delhi
- 7) Doane D P and Seward Lori E (2007), Applied Statistics in Business and Economics, Tata McGraw Hill.
- 8) Donald R Cooper, Pamela S Schindler (2006), Business Research, Methods, 9th Edition, The McGraw-Hill Companies
- 9) Edwards, Allen L. (1976), An Introduction to Linear Regression and Correlation., San Francisco
- 10) Foster, JJ (1998) A beginner's guide: Data analysis using SPSS for Windows. Foster: Sage Publishing.
- 11) George, Darren & Mallery, Paul (2004) SPSS for Windows step by step: A simple guide and reference, v12.0 update, 5th ed. Addison Wesley.
- 12) Green, S B & Salkind, NJ (2003). Using SPSS for Windows and Macintosh: Analyzing and understanding data. 3rd ed. New Jersey: Prentice Hall.
- 13) Gujarati, D.N. (1988). Basic Econometrics. New York: MacGraw-Hill
- 14) John F Barlow, (2006) Excel Models for Business and Operations Management, John Wiley and Sons, New York
- 15) Keller Jerald, (2007) Statistics for Management and Economics, Thomsan Learning, New Delhi.
- 16) Levin Jack and Fox (2006), Elementary Statistics in Social Research, 10th edition, Pearson,
- 17) Pallet, Julie (2005) SPSS Survival Manual, 2nd ed. (version 12). Open University Press
- 18) Pandya Kiran & Bulsari Smruti (2005), Enjoy Statistics with SPSS for windows, Popular Prakashan, Surat
- 19) Pandya Kiran & Bulsari Smruti (2009), SPSS for Beginner, Popular Prakashan, Surat
- 20) Pavkov, Thomas W. & Pierce, Kent A. (2002) Ready, Set, Go! A student guide to SPSS 11.0 for Windows. McGraw-Hill College Press
- 21) William G Zikmund (2006), Business Research Methods, 7th, Edition, Thomson South-Western.

SEMESTER –IV

ID- 04 HISTORY OF ECONOMIC THOUGHT

1: Contemporary Macroeconomics Theories

[10]

From the golden Age to Stagflation; The Neoclassical Synthesis (Generalizations: the IS-LM model again, Refinements: the consumption, Corrections: money and inflation, Simplifications: growth and distribution) ;The Monetarist Counter- Revolution (Act I: money matters, Act II: ‘you can’t fool all the people all the time’, Act III: the students go beyond the master, was it real glory?) ;From Disequilibrium to Non-Walrasian Equilibrium(Disequilibrium and the microfoundations of macroeconomics, The non-Walrasian model); The Post-Keynesian Approach(Anti-neoclassical reinterpretations of Keynes, Distribution and growth, Money and the instability of the capitalist economy, Heterodox microfoundations of macroeconomics) ; the New Keynesian macroeconomics (A distant Hicksian background, Nominal rigidities, Real rigidities, A Comparison between some contemporary schools of macroeconomics)

2: Neoclassical Economics from Triumph to Crisis

[10]

The Neo-Walrasian Approach to General Economic Equilibrium (The conquest to the existence theorem, Defeat on grounds of uniqueness and stability, The end word?, Temporary equilibrium and money in general-equilibrium theory) ; Developments in the new Welfare Economics and the Economic Theories of justice (The two fundamental theorems of welfare economics, The debate about market failures and Coase’s theorem, Sen and the critique of utilitarianism, Economic theories of justice) ; The Controversy on Marginalism in the Theory of the firm and Markets(Critiques of the neoclassical theory of the firm, Post-Keynesian theories of the firm, Managerial and behavioral theories, The neoclassical reaction and the new theories of the firm)

3: At the Margins of Orthodoxy

[10]

Games, Evolution and Growth (Game theory, Evolutionary games and institutions, the theory of endogenous growth, The Theory of endogenous growth); The Theory of Production as a Circular Process (Activity analysis and the non-substitution theorem, the debate on the theory of capital, Production of commodities by means of commodities)

4: A Post-Smithian Revolution?

[10]

At the Threshold of the Millennium (Globalization, Modern and post-modern); Radical Political Economy (Post-Marxism, The feminist challenges)

References:

1. Ernesto Screpanti & Stefano Zamagni (2006), An Outline of the history of Economic Thought, Oxford University Press.
2. Blackhouse, R. (1985), A History of Modern Economic Analysis, Basil Blackwell Oxford.
3. Gangulik, B.N. (1977), Indian Economic thought A 19th Century Perspective ,Tata McGraw Hill, New Delhi.
4. Gide C. and G. Rist (1956), A History of Economic Doctrines, (2nd Edition), George Harrop &Co., London.
5. Grey, A. And A.E. Thomson (1980), the Development of Economic Doctrine, (2nd Edition), Longman Group, London.
6. Kautilya, (1992), The Athashastra, Edited Rearranged Translated and Introduced by L.N. Rangaranjan, Penguin Books, New Delhi.
7. Roll, E. (1973), A History of Economic thought, Faber,London
8. Schumpeter, J.A. (1954), History of Economic Analysis, Oxford University Press, New York.
9. Seshadri, G.B. (1997), Economic Doctrine, B.R. Publishing corporations, Delhi.
10. Dasgupta, A.K. (1985), Epochs of Economic Theory, oxford University Press, New Delhi.
11. Gandhi, M.K. (1947), India of My Dreams, Navajivan Publishing House, Ahmedabad.