

M.A. Economics
Two Years (Four Semester course)

Course Curriculum
Semesters I, II, III & IV

Department of Economics
Guru Ghasidas Vishwavidyalaya, Bilaspur

**M.A. (PREVIOUS)
COMPULSORY PAPERS**

SEMESTER-I		SEMESTER-II	
1.	Theory of Consumer Behavior & Production	6.	Theory of Pricing and Distribution
2.	Macroeconomic Analysis	7.	Money & Banking
3.	Public Economics	8.	Indian Public Finance
4.	Elementary Statistics	9.	Applied Statistics
5.	Optional Paper-I	10.	Optional Paper-II

**M.A. (FINAL)
COMPULSORY PAPERS**

SEMESTER-III		SEMESTER-IV	
11.	Economics of Growth & Development	16.	Indian Economic Policy
12.	International Economics-I	17.	International Economics-II
13.	Environmental Economics	18.	Economics of Social Sector & Gender
14.	Optional Paper-III	19.	Optional Paper-IV
15.	Survey Based Case Study	20.	Comprehensive Viva-voce

*The candidate shall be assigned a supervisor to help to complete the Survey based case study.

OPTIONAL PAPERS

(Student has to select one optional paper, out of two, in each semester)

Optional Paper-I & II	Mathematical Economics-I & II OR Industrial Economics-I & II
Optional Paper-III & IV	Econometrics –I & II OR Labour Economics-I & II

- NOTE:**
1. Optional Paper – I & II is for M.A. (Previous) and Optional Paper – III & IV is for M.A. (Final).
 2. Mathematical Economics has to be taken in combination with Econometrics similarly Industrial Economics is available with Labour Economics, in the succeeding year.

First Semester (July 2009 to December 2009)

Course code	Course Title	Classroom Interactions (Hrs/Week)	Max. Marks	Internal Assessment	End Semester exams
1	Theory of Consumer Behavior and Production	5	100	40	60
2	Macroeconomic Analysis	5	100	40	60
3	Public Economics	5	100	40	60
4	Elementary Statistics	5	100	40	60
5	Industrial Economics-I OR	5	100	40	60
	Mathematical Economics-I	5	100	40	60
	Total	30	500	200	300

Second Semester (January 2010 to June2010)

Course code	Course Title	Classroom Interactions (Hrs/Week)	Max. Marks	Internal Assessment	End Semester exams
6.	Theory of Pricing and Distribution	5	100	40	60
7.	Monetary Economics	5	100	40	60
8.	Indian Public Finance	5	100	40	60
9.	Applied Statistics	5	100	40	60
10.	Industrial Economics-II OR	5	100	40	60
	Mathematical Economics-II	--	100	40	60
	Total	25	500	200	300

Third Semester (July 2010 to December 2010)

Course code	Course Title	Classroom Interactions (Hrs/Week)	Max. Marks	Internal Assessment	End Semester exams
11.	Economics of Growth & Development	5	100	40	60
12.	International Economics-I	5	100	40	60
13.	Environmental Economics	5	100	40	60
14.	Labour Economics-I OR	5	100	40	60
	Econometrics-I	5	100	40	60
15.	Survey Based Case Studies*				
	Total	25	400	160	240

*The candidate shall be assigned a supervisor to help to complete the Survey based case study and in place of marks, Satisfactory or Unsatisfactory remark will be awarded to the student. Unsatisfactory is considered as fail and student has to reappear in this subject next time.

Fourth Semester (January 2011 to May 2011)

Course code	Course Title	Classroom Interactions (Hrs/Week)	Max. Marks	Internal Assessment	End Semester exams
16.	Indian Economic Policy	5	100	40	60
17.	International Economics-II	5	100	40	60
18.	Economics of Social Sector & Gender	5	100	40	60
19.	Labour Economics-II OR	5	100	40	60
	Econometrics-II	5	100	40	60
20.	Comprehensive Viva-voce		100	-----	100
	Total		500	160	340

M. A. ECONOMICS (FOUR SEMESTER)

SEMESTER-I

COMPULSORY PAPERS

1. THEORY OF CONSUMER BEHAVIOUR & PRODUCTION

Objective: To provide the knowledge about consumer behavior regarding Market and Production units of the firm.

1. General Introduction to Micro / Macro / Positive and Normative Economics/ Scarcity and Choice / Rational Behavior.

2. Utility Analysis, Cardinal Utility, The law of Diminishing Marginal Utility, The law of equip-marginal utility, and Ordinal Utility, Indifference curves analysis, Price effect, Income Effect, & Substitution Effect. Indifference curve and Budget line, Utility Maximization Rule

3. Law of Demand & Supply, Derivation of demand curve from Price Consumption curve, market demand, Changes in demand and supply and their quantity, Elasticity and their applications, consumer surplus.

4. Revealed Preference Theory, Consumer choice under uncertainty, Hicks logical ordering theory of demand .

5. Production and Cost functions - Law of Variable Proportions – Returns to scale, Production function of Multi-Product firm, Producer's equilibrium - elasticity of substitution -Euler's theorem; Cobb- Douglas production function, Cost Functions Cost curves, Iso-cost curves, Traditional and modern cost analysis.

READING LIST :

1. Archibald, G.C. (Ed.): Theory of the Firm.
2. Bain, J.: Barriers to New Competition.
3. Baumol, W.J.: Economic Theory and Operations Analysis.
4. Broadway, R.W. and N. Bruce: Welfare Economics.
5. Da Costa, G.C.: Production, Prices and Distribution.
6. Graff, J. De V.: Theoretical Welfare Economics.
7. Green, H.A.G.: Consumer Theory.
8. Hansen, B.: A Survey of General Equilibrium Systems.
9. Henderson, J.M. and R.E. Quandt: Microeconomic Theory: A Mathematical Approach.
10. Hirshleifer, J. and A. Glazer: Price Theory and Applications.
11. Healthfields and Wibe: An Introduction to Cost and Production Functions.
12. Koutsoyiannis, A.: Modern Microeconomics, (2nd Edition).

13. Kreps, David M.: A Course in Microeconomic Theory.
14. Layard, P.R.G. and A.W. Walters: Microeconomic Theory.
15. Mishan, E.J.: Welfare Economics: An Assessment.
16. Prasad, A.R.: Dictionary of Microeconomics.
17. Sen, A.: Microeconomics: Theory and Applications.
18. Stigler, G.: Theory of Price, (4th Edition).
19. Varian, H.: Microeconomic Analysis.

2. MACROECONOMIC ANALYSIS

Objective: To provide the conceptual knowledge regarding economic policies at national and international level.

1. Nature of Macro Economics:- Basic Concepts, Stock and Flow Variables, National Income and its measurement, GDP and GNP, Nominal and Real GNP, Importance of NI Estimation, NI and Economic Welfare, NI Estimation in India.
2. Theories of Employment and Output :- Classical Postulates, Say's Law of Market, Criticism of the Model. Keynesian Theory of Income Determination under Two Sector, Three Sector ,Four Sector Model, Keynes Vs the Classical, Post Keynesian Model-Monetarist view, Rational Expectation, Supply side Economics.
3. Theories of Consumption- Absolute Income hypothesis, Relative Income hypothesis, Permanent Income Hypothesis, Life –Cycle Theory of consumption, Theory of Investment-MEC, MEI, Accelerator theory.
4. Multiplier- Concept of Simple Multiplier, Static and Dynamic Multiplier, Application of Multiplier theory to LDCs, Paradox of Thrift.
5. Theories of interest rate determination-Liquidity preference theory, Product and Money Market Equilibrium- IS-LM Analysis.

READING LIST :

1. Ackley,G.: Macroeconomics : Theory and Policy.
2. Allen, R.G.D.: Macroeconomic Theory.
3. Dornbusch, R. and F. Stanley: Macroeconomics.
4. Frisceh, Helmet: Theories of Inflation.
5. Glahe, F.R.: Macroeconomics.

6. Heijdra, B.J. and V.P. Frederick: Foundations of Modern Macroeconomics.
7. Hicks, J.R.: The Crisis in Keynesian Economics.
8. Keynes, J.M.: The General Theory of Employment, Interest and Money.
9. Laidler, D.E.W.: The Demand for Money: Theories and Evidence.
10. Levacic, R. and A. Rebman: Macroeconomics: An Introduction to Keynesian and Neo-Classical Controversies.
11. Lucas, R.: Studies in Business Cycle Theory.
12. Makinen, G.E.: Money, The Price Level and Interest Rates.
13. Muller, M.G.: Readings in Macroeconomics.
14. Rakshit, M.: Studies in Macroeconomics of Developing Countries.
15. Romer, D.L.: Advanced Macroeconomics.
16. Shapiro, E.: Macroeconomic Analysis.
17. Surrey, M.J.C.: Macroeconomic Themes.

3. PUBLIC ECONOMICS

Objective: To develop the conceptual frame work about government's public economic policies and annual budgeting.

1. Role of Govt. in Organized Society – Govt. as an agent for Economic Planning & Development, Concept of Public Goods, Private Goods and Merit Goods. Theory of Maximum, Social Advantage Theory - Dalton, Pigous, Musgrave.
2. Public Expenditure - Wagner's Law of Increasing State Activities, Wiseman Peacock hypothesis. Effects of Public Expenditure- Efficiency Effect, Incentive Effect, Allocative Effect on Distribution, Employment, Economic Stability & Economic Development. Dalton's Norm of Public Expenditure, Fiscal policy and its objectives.
3. Economics of Taxation - Canons of Taxation, Taxable Capacity, Factors Determining Taxable Capacity, Its Significance. Theories of Taxation Benefit Theory, The Cost Service Theory and Ability to Pay Theory, Incidence of Taxes, Effects of Taxation- Efficiency Effect, Incentive Effect, Allocative Effect on Distribution, on Employment & on Economic Stability.
4. Debt- Public Debt & Economic Growth, Public Debt and Inflation, Public Debt as a means of regulating economy. Debt Burden, Crowding Out of Private Investment and Activity; Debt Redemption, Principles of Public Debt Management and Repayment , Defect financing.
5. Fiscal Policy- Objective of Fiscal policy, Tools of Fiscal policy, Compensatory Fiscal policy, Role of Fiscal policy in developing countries.

READING LIST :

1. Atkinson, A.B. and J.E. Siglitz: Lectures on Public Economics.

2. American Economic Association: Readings in Fiscal Policy.
3. Auerbach, A.J. and M. Feldstern (Eds.): Handbook of Public Economics.
4. Bird, R. and O. Oldman: Readings on Taxation in Developing Countries.
5. Chelliah, Raja J.: Fiscal Policy in Underdeveloped Countries.
6. Cutt, J.: Taxation and Economic Development in India.
7. Barman, K.: Public Debt Management in India.
8. Bhargava, R.N.: The Theory and Working of Union Finance in India.
9. Bhargava, P.K.: Taxation of Agriculture in India.
10. Bhargava, P.K.: Centre State Resource Transfers in India.
11. Bhargava, P.K.: India's Fiscal Crisis.
12. Chelliah, Raja J. et. al: Trends and Issues in India's Federal Finance.
13. Chelliah, R.J. (Ed.): Towards Sustainable Growth.
14. Datt, R. (Ed.): Second Generation Economic Reforms in India.
15. Gaur, A.K.: Federal Finance in India.
16. Government of India: Reports of the Tax Reforms Committee - Interim and Final (Chairman: Raja J. Chelliah).
17. Gulati, I.S.: Centre State Financial Relations, An Assessment of the Role of Finance Commission.
18. Houghton, J.M.: The Public Finance: Selected Readings, Penguin, Harmondsworth.
19. Jain, A.K.: Taxation of Income in India.
20. Jain, A.K.: Direct Taxation in India: Some Aspects.
21. Jain, I.: Resource Mobilization and Fiscal Policy in India.
22. Jha, R.: Modern Public Economics.
23. Menutt, P.: The Economics of Public Choice.
24. Mishan, E.J.: Cost-Benefit Analysis: An Informal Introduction.
25. Musgrave, R.A.: Theory of Public Finance.
26. Musgrave, R.A. and C. Shoup (Eds.): Readings in the Economics of Taxation.
27. Musgrave, R.A. and P.B. Musgrave: Public Finance in Theory and Practice.
28. Peacock, A. and D.J. Robertson (Eds.): Public Expenditure: Appraisal and Control.
29. Premchand, A. : Control of Public Expenditure in India.
30. Prest, A.R.: Public Finance in Theory and Practice.
31. Shome, P. (Ed.): Tax Policy: Handbook, Tax Division.
32. Spulber, N.: Redefining the State.
33. Srivastava, D.K. (Ed.): Fiscal Federalism in India.
34. Srivastava, M.: Fiscal Policy and Economic Development in India.

35. Singh, T.: The Corporation Tax in India.

4. ELEMENTRAY STATISTICS

Objective: This paper provides the basic statistical approach to understand economic principles and policies.

1. Definition, Importance & Scope of statistics, Measures of Central tendency Measures of dispersion and skew ness.
2. Correlation Analysis: Correlation Coefficient, Methods of Computing simple correlation, concept of probable Error. Spearman's coefficient of Rank correlation.
3. Regression Analysis: Concept, Regression lines, finding regression coefficients and equations.
4. Interpolation and extrapolation; Concept, significance, assumptions, methods of Interpolation and extrapolation.
5. Index Numbers: A Conceptual frame work, uses, types, problems in construction of Index numbers, The chain index numbers, Base shifting and deflating the index numbers, cost of living index numbers

READING LIST :

1. Gupta & Gupta - Statistics.
2. R. G.D.Allen - Statistics for Economics.
3. A.L. Bowliy - Elements of Statistics .
4. Croxton & Cowden - Applied General Statistics .
5. JITSChandan - . Statistics for Business & Economics .
6. S.P.Gupta – Statistical Methods .

OPTIONAL PAPER-I (select any one)

5. INDUSTRIAL ECONOMICS-I

Objective: To provide the knowledge regarding pattern of industrial Product and industrialization

1. Meaning, Rational, pattern and impact of industrialization. Factors favoring and Hampering Rapid Industrial Development of India. Relationship between industry and economic development, Industry & sectoral linkages. New Industrial Policy in India, from 1991 to till date. Recent trends in Indian Industrial growth.

2. Concept and organization of a firm, Business classification of firm on the basis of, its activities, Sector, and Ownership structure. (Public, Private, Joint and Cooperative Sectors.)

3. Size and Use Base Classification of Indian Industry and their Trends in past 5 years, Control and objectives of the firm, Sellers concentration; Product differentiation; Entry condition.

4. Market and its structure, Extent of market concentration, Industrial combination and its impact on efficiency of the firm and economic power. Theories of Industrial location - Weber and Sargent Florence; Factors affecting location, Industrial Sickness:

5. Size and Growth of the firm; Growth and Profitability of the firm, Constraints of the growth, Indian situation; Product Pricing theories and evidence. Concept & Measurement of Productivity. Productivity Trends in Indian Industry. Industrial competition & Monopoly

READING LIST :

1. T.R.Sharma -Location of Industries in India
2. Cherunilam, F (1994)-Industrial Economics in Indian Perspective Edition), Himalaya Publishing House, Mumbai
3. E.A.O. Robinson -Structure of Competitive Industry
4. Jalan B (1996) -India's Economic Policy, Viking, New Delhi
5. Singh & Sadhu -Industrial Economics, Himalaya Publishing House
6. Naidu K.M.(1999)- Industrialization & Regional Development in India
7. Mamoria & Mamoria -Dynamic of Industrial Relations in India
8. Divine P.J. & R.M. James et.al. (1976) -In Introduction to Industrial Economics George Allen and Unwin Ltd. London.
9. Hay D. & D.J. Morris -Industrial Economics Theory & Evidence, Oxford University Press, New Delhi

OR
5. MATHEMATICAL ECONOMICS-I

Objective: Mathematics increases the ability to understand the subject logically here it is helpful to understand the economics in real sense.

1. The nature of Mathematical Economics, Mathematical Economics and Econometrics, Equilibrium analysis equation and inequalities, Linear and non-linear model and their solutions, Arithmetic and Geometric Progression and their use in Economics.
2. Derivative and a slope of a curve; Process of Differentiation; Rules of Differentiation of a function; Derivatives of higher order; I and II order conditions for Maxima and Minima. Differentiation of a function of two or more variables; Partial Differentiation process, Rules of total differentiation.
3. Application of derivatives in Economics, Differential coefficients and Elasticity of demand, Average and marginal cost Curves and their relation, Average and Marginal Revenue Curves and their relation, conditions for profit maximization.
4. The theory of Consumer Behavior Indifference curve, Role of Commodity Substitution (RCS), Maximization of Utility, Slutsky Equation – important results.
5. The Theory of constrained cost minimization and profit maximization, Cobb-Douglas Production Function, C.E.S. function

READING LIST :

1. Allen, R.G.D: Mathematical Analysis For Economists.
2. Archibald, G. and Lipsey, R.G.: Introduction to Mathematical Treatment of Economics.
3. Baumol, W.J.: Economic Theory and Operations Analysis.
4. Beckerman, W.: An Introduction to National Income Analysis.
5. Chiang, A.C.: Fundamental Methods of Mathematical Economics.
6. Dorfman, R., Samuelson, P.A. and Solow, R.: Linear Programming and Economic Analysis.
7. Edey and Peacock: National Income and Social Accounting.
8. Henderson, J.M. and Quandt, R.E.: Microeconomic Theory: A Mathematical Approach.
9. Lange, Oscar: Introduction to Econometrics.
10. Ailchison, J. and Brown, J.A.C.: The Log-normal Distribution.
11. Mehta, B.C.: Mathematical Economics: Microeconomic Models.
12. Sen, A.: On Inequality.

13. Sen, A.: Poverty: An Ordinal Approach to Measurement, *Econometrica*, 44.
14. Stone, R. and Murray, C.: *Social Accounting and Economic Models*.
15. Yamane, T.: *Mathematics for Economists*.

SEMESTER-II (JAN. 10-MAY 10)

6. THEORY OF PRICING AND DISTRIBUTION

Objective: To provide the knowledge about the behaviour of the firms in different market situations and also to know about welfare measurement.

1. Perfect competition- short run and long run equilibrium of the firm and industry, price and output determination; Monopoly-short run and long run equilibrium, price discrimination, monopoly control and regulation.
2. Monopolistic competition - .general and Chamberlain approaches to equilibrium, equilibrium of the firm and the group with product differentiation and selling costs, excess capacity under monopolistic, criticism of monopolistic competition; Oligopoly, kinked demand curve, price leadership, collusive Oligopoly, Duopoly Models-Cournot Model, Chamberlin Model.
3. Distribution : Marginal productivity theory (Clarks, Marshall-Hicks); Adding up Problem, Elasticity of technical substitution, technical progress and factor shares; Macro theories of distribution – Ricardian, Marxian.
4. Wages- theories, marginal productivity, minimum wages, Determination of rent- classical and modern theories, quasi-rent, theory of interest - liquidity preference , IS-LM curve , theories of profit.
5. Welfare Economics : Pigovian welfare economics; Pareto optimal conditions, Social welfare function; compensation principle; Inability to obtain optimum welfare - market failure, Theory of Second Best, Arrow’s impossibility theorem. Walrasian and Marshall condition of the existence of the general Equilibrium.

READING LIST :

1. Archibald, G.C. (Ed.): *Theory of the Firm*.
2. Bain, J.: *Barriers to New Competition*.
3. Baumol, W.J.: *Economic Theory and Operations Analysis*.
4. Broadway, R.W. and N. Bruce: *Welfare Economics*.
5. Da Costa, G.C.: *Production, Prices and Distribution*.
6. Graff, J. De V.: *Theoretical Welfare Economics*.
7. Green, H.A.G.: *Consumer Theory*.
8. Hansen, B.: *A Survey of General Equilibrium Systems*.

9. Henderson, J.M. and R.E. Quandt: Microeconomic Theory: A Mathematical Approach.
10. Hirshleifer, J. and A. Glazer: Price Theory and Applications.
11. Healthfields and Wibe: An Introduction to Cost and Production Functions.
12. Koutsoyiannis, A.: Modern Microeconomics, (2nd Edition).
13. Kreps, David M.: A Course in Microeconomic Theory.
14. Layard, P.R.G. and A.W. Walters: Microeconomic Theory.
15. Mishan, E.J.: Welfare Economics: An Assessment.
16. Prasad, A.R.: Dictionary of Microeconomics.
17. Sen, A.: Microeconomics: Theory and Applications.
18. Stigler, G.: Theory of Price, (4th Edition).
19. Varian, H.: Microeconomic Analysis.
20. Weintrub, E.R.: General Equilibrium Theory.

7. MONEY AND BANKING

Objective: This paper develops the caliber of the students to understand the management of money supply and also the well known theories associated with it.

1. Theories of Value of Money-Fisher, Cambridge equations, the Cash Balances approach Keynesian Theory of Money and Prices, The Real Balance Effect, Post- Keynesian theory-Baumol, Tobin's Approach, Friedman.
2. Measures of money supply, Creation of Credit, Money Multiplier, Monetary Policy Instruments of Monetary policy, its role and effectiveness, development in the concepts of Money Supply in India.
3. Inflation- Measurement and types of Inflation, Demand and Supply side Inflation, Effects of Inflation, Methods to Check Inflation, stagflation and Anti-Inflation Policy, Inflation and Indian Economy. Inflation and Unemployment, Phillips curve- Relationship between Inflation and Unemployment, Long run Phillips Curve,
4. Banking Systems in India, Types of Banks, Commercial Banking- Origin & Growth, Functions of Commercial Banks. Role of Commercial Banks in a Developing Economy. New Trends in Commercial Banking in India, Changing role of RBI in India.
5. Business Cycles- Meaning and Nature, Theories of trade Cycle-Schumpeter, Keynes, Samulson and Hicks, Non monetary theories of business cycles

READING LIST :

1. Ackley,G.: Macroeconomics : Theory and Policy.
2. Allen, R.G.D.: Macroeconomic Theory.

3. Dornbusch, R. and F. Stanley: Macroeconomics.
4. Friscek, Helmett: Theories of Inflation.
5. Glahe, F.R.: Macroeconomics.
6. Heijdra, B.J. and V.P. Frederick: Foundations of Modern Macroeconomics.
7. Hicks, J.R.: The Crisis in Keynesian Economics.
8. Keynes, J.M.: The General Theory of Employment, Interest and Money.
9. Laidler, D.E.W.: The Demand for Money: Theories and Evidence.
10. Levacic, R. and A. Rebman: Macroeconomics: An Introduction to Keynesian and Neo-Classical Controversies.
11. Lucas, R.: Studies in Business Cycle Theory.
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13. Muller, M.G.: Readings in Macroeconomics.
14. Rakshit, M.: Studies in Macroeconomics of Developing Countries.
15. Romer, D.L.: Advanced Macroeconomics.
16. Shapiro, E.: Macroeconomic Analysis.
17. Surrey, M.J.C.: Macroeconomic Themes.

8. INDIAN PUBLIC FINANCES

Objective: To give the knowledge of Indian Fiscal Management, Finance Commission and public expenditure and Indian Tax structure.

1.Objectives of Fiscal Policy; Interdependence of Fiscal and Monetary Policies; Budgetary Deficits and their Implications; Functional Finance; Balanced budget Multiplier.

2.Theory of Federal Finance; Fiscal Federalism in India; Vertical and Horizontal Imbalance; Finance Commissions and The Planning Commission; Centre-State Financial Relations in India;

3.The Indian Tax System: Revenue of the Union, States and Local Bodies; Major Taxes in India: Base of Taxes; Direct and Indirect Taxes; Reforms in Direct and Indirect Taxes; Non-tax Revenue of Centre, State and Local Bodies;

4.Analysis of Central and State Government Budgets; Trends in Public Expenditure and Public Debt; Fiscal Sector Reforms in India.

5. India's Public Debt-Growth and Composition of external and internal public debt, Public debt policy in India.

READING LIST :

1. Atkinson, A.B. and J.E. Siglitz: Lectures on Public Economics.
2. American Economic Association: Readings in Fiscal Policy.
3. Auerbach, A.J. and M. Feldstern (Eds.): Handbook of Public Economics.
4. Bird, R. and O. Oldman: Readings on Taxation in Developing Countries.
5. Chelliah, Raja J.: Fiscal Policy in Underdeveloped Countries.
6. Cutt, J.: Taxation and Economic Development in India.
7. Barman, K.: Public Debt Management in India.
8. Bhargava, R.N.: The Theory and Working of Union Finance in India.
9. Bhargava, P.K.: Taxation of Agriculture in India.
10. Bhargava, P.K.: Centre State Resource Transfers in India.
11. Bhargava, P.K.: India's Fiscal Crisis.
12. Chelliah, Raja J. et. al: Trends and Issues in India's Federal Finance.
13. Chelliah, R.J. (Ed.): Towards Sustainable Growth.
14. Datt, R. (Ed.): Second Generation Economic Reforms in India.
15. Gaur, A.K.: Federal Finance in India.
16. Government of India: Reports of the Tax Reforms Committee - Interim and Final (Chairman: Raja J. Chelliah).
17. Gulati, I.S.: Centre State Financial Relations, An Assessment of the Role of Finance Commission.
18. Houghton, J.M.: The Public Finance: Selected Readings, Penguin, Harmondsworth.
19. Jain, A.K.: Taxation of Income in India.
20. Jain, A.K.: Direct Taxation in India: Some Aspects.
21. Jain, I.: Resource Mobilization and Fiscal Policy in India.
22. Jha, R.: Modern Public Economics.
23. Menutt, P.: The Economics of Public Choice.
24. Mishan, E.J.: Cost-Benefit Analysis: An Informal Introduction.
25. Musgrave, R.A.: Theory of Public Finance.
26. Musgrave, R.A. and C. Shoup (Eds.): Readings in the Economics of Taxation.
27. Musgrave, R.A. and P.B. Musgrave: Public Finance in Theory and Practice.
28. Peacock, A. and D.J. Robertson (Eds.): Public Expenditure: Appraisal and Control.
29. Premchand, A. : Control of Public Expenditure in India.
30. Prest, A.R.: Public Finance in Theory and Practice.
31. Shome, P. (Ed.): Tax Policy: Handbook, Tax Division.
32. Spulber, N.: Redefining the State.

33. Srivastava, D.K. (Ed.): Fiscal Federalism in India.
34. Srivastava, M.: Fiscal Policy and Economic Development in India.
35. Singh, T.: The Corporation Tax in India.

9. APPLIED STATISTICS

Objective: This paper provides the idea about the application of statistical tools in different situations for the analysis purpose.

1. Meaning and Concept of Research, Types of Research, Steps in Scientific Research, Research Design, Sampling Techniques and Techniques of data collection Research report Writings.
2. Analysis of Time Series - Introduction, Utility and Components of Time Series. Measurement of Trend by Graphic Method, Semi-Average & Moving Average method and Least Squares Method.
3. Probability and its Theorems : Concepts & Definition, Calculation of Probability, Theorems Addition Theorem and Multiplication Theorem. Theoretical Probability Distribution: Normal, Binomial & Poison Distribution.
4. Test of Hypothesis: Procedure of Testing Hypotheses, Standard Error and Sampling Distribution, Estimation, Significance of Attributes Large Samples and Small Sample T, F & Z test.
5. Chi Square Test& Goodness of Fit. And analyses of variance

READING LIST :

1. Gupta & Gupta - Statistics.
2. R. G.D.Allen - Statistics for Economics.
3. A.L. Bowly - Elements of Statistics .
4. Croxton & Cowden - Applied General Statistics .
5. JITS Chandan - . Statistics for Business & Economics .
6. S.P.Gupta - Statistical Methods .
7. D.N.Elhance- Fundamental of Statistics
8. Couner-Statistics in Theory & Practice

OPTIONAL PAPER-II (select any one)

10.INDUSTRIAL ECONOMICS-II

Objective: To introduce about the different Indian industries and their policies and problems, also to know about the industrial financial institution.

1.Investment Expenditure, Methods of Evaluating Investment Expenditure, Mergers and Acquisition and Diversification. Global Competitiveness of Indian Industries.

2.Growth and current problems of selected large scale industries in India- Iron & steel, Cotton textiles, Jute, Cement, Sugar and engineering goods, Development of Small Scale and Cottage Industries in India.

3.Sources of Industrial finance Equity (owned), debt (external) Role & growth of major funding agencies IOBI, IFCI, SFDs, SIDS and Commercial banks etc., in the Indian Industrial development. Role of FDIs in Industrial development.

4.Regional Distribution of Industries and Regional disparities in Industrial Growth along with Special Reference to Industrial Development of Chhatisgarh.

5.Man Power Planning

READING LIST :

1. T.R.Sharma -Location of Industries in India
2. Cherunilam, F (1994)-Industrial Economics in Indian Perspective Edition), Himalaya Publishing House, Mumbai
3. E.A.O. Robinson -Structure of Competitive Industry
4. Jalan B (1996) -India's Economic Policy, Viking, New Delhi
5. Singh & Sadhu -Industrial Economics, Himalaya Publishing House
6. Naidu K.M.(1999)- Industrialization & Regional Development in India
7. Mamoria & Mamoria -Dynamic of Industrial Relations in India
8. Divine P.J. & R.M. James et.al. (1976) -In Introduction to Industrial Economics George Allen and Unwin Ltd. London.
9. Hay D. & D.J. Morris -Industrial Economics Theory & Evidence, Oxford University Press, New Delhi

OR

10. MATHEMATICAL ECONOMICS-II

Objective: To introduce the model for analyzing the facts with the help of mathematical methods.

1.Theory of Market Equilibrium Pricing under Perfect Competition, monopoly and discriminating monopoly.

2.Simple Intergration, Definite Intergrats, Differential equations, Simple difference equations and their application in Economics. Its application in Cobweb Model, Harod-Domar Model, Dynamic multiplier.

3.Matrix Algebra Addition, subtraction and multiplication of matrix, Inverse of a matrix, Determinants properties of determinants, Cramer's rule, Input output model meaning, assumption and solution of Input-output model.

4.Linear Programming General formulation of Maximization and Minimization problem. Graphical and Simplex method. Duality in Linear Programming.

5.Basic Concept of Game Theory; Pure and Mixed Strategies; Pay-off Matrix; Two-Person Zero-Sum Game; Maximin and Minimax Strategies; Saddle Point and Solution to a Matrix Game; Dominated Strategies.

READING LIST :

1. Allen, R.G.D: Mathematical Analysis For Economists.
2. Archibald, G. and Lipsey, R.G.: Introduction to Mathematical Treatment of Economics.
3. Baumol, W.J.: Economic Theory and Operations Analysis.
4. Beckerman, W.: An Introduction to National Income Analysis.
5. Chiang, A.C.: Fundamental Methods of Mathematical Economics.
6. Dorfman, R., Samuelson, P.A. and Solow, R.: Linear Programming and Economic Analysis.
7. Edey and Peacock: National Income and Social Accounting.
8. Henderson, J.M. and Quandt, R.E.: Microeconomic Theory: A Mathematical Approach.
9. Lange, Oscar: Introduction to Econometrics.
10. Ailchison, J. and Brown, J.A.C.: The Log-normal Distribution.
11. Mehta, B.C.: Mathematical Economics: Microeconomic Models.
12. Sen, A.: On Inequality.

COMPULSORY PAPERS

M.A. (FINAL)

SEMESTER-III

11. ECONOMICS OF GROWTH & DEVELOPMENT

Objective: This paper is for providing the information regarding economists' view on economic growth and development.

1. Economic Growth and Development — Factors Affecting Economic Growth; Problem of Economic Growth and The General Solution; Growth Equilibrium — Existence, Uniqueness and Stability; Classical Theory of Growth — General, Ricardo and Adam Smith; Growth Models of Harrod and Domar and Instability of Growth.
2. Solutions of Instability Problem; Neo-Classical Models of Growth — R.M. Solow, T.W. Swan and E.S. Phelps; Neo-Keynesian Models of Growth — N. Kaldor, L. Pasinetti and Ms. Joan Robinson; Concept of Golden Age and Golden Rule of Accumulation; Two-Sector Growth Model — H. Uzawa and Comment by R.M. Solow.
3. Capital Controversies in the Theory of Capital — Neo-Classical and Neo-Keynesian Versions; P.A. Samuelson's Effort; Reswitching of Techniques.
4. Technology and Growth — Technical Change — Disembodied and Embodied; Neutral Technical Change — Hicks, Harrod and Solow; Elasticity of Substitution and Neutrality of Technical Change; Significance of Harrod Neutral Technical Change in Growth Models; Embodied Technical Change — Kaldor, Kennedy, Learning by Doing — K.J. Arrow.
5. Money and Growth — James Tobin and H.G. Johnson; Elementary Treatment of Optimum Growth Models — Keynes-Ramsey Rule.

READING LIST :

1. Adelman, I.: Theories of Economic Growth and Development.
2. Barrow, R. and X. Sela-I, Martin,: Economic Growth.
3. Brown, M.: On the Theory and Measurement of Technical Change.
4. Chenery, H.B. et. al. (Eds.): Redistribution with Growth.
5. Chakravarti, S.: Alternative Approaches to the Theory of Economic Growth.
6. Jones, H.G.: An Introduction to the Modern Theory of Economic Growth.
7. Meadows, D.H. et. al.: The Limits to Growth.
8. Sen, A.K. (Ed.): Growth Economics.
9. Solow, R.M.: Growth Theory: An Exposition.
10. Thirwal, A.P.: (6th Edition), Growth and Development.

12. INTERNATIONAL ECONOMICS-I

Objective: To provide the knowledge about International trade, Terms and conditions of the trade

1. Distinguishing features of Interregional and International trade; Importance and Scope of International Trade. Smith's theory of Absolute Difference in costs; Ricardo's theory of comparative differences in costs and its application in underdeveloped countries.
2. Mills' theory of Reciprocal Demand; Concept of Offer Curves; Explanation of Reciprocal Demand with the help of Offer Curves.
3. Haberler's Theory of Opportunity Costs; International trade under constant, Increasing and decreasing opportunity costs. The Modern Theory of Factor Endowments; its explanation under price criterion and physical criterion; Theory's relevance today. Its superiority over the classical theory; Leontief Paradox.
4. International trade and factor prices, Samuelson's Factor Price Equalization Theorem. The Terms of Trade- Meaning and various concepts of Terms of Trade; Factors affecting the Terms of Trade; Terms of Trade and underdeveloped countries.
5. Tariffs meaning and types;- Effects of tariff under partial and general equilibrium; Optimum tariff and welfare; Effects of tariff on income distribution The Stolper- Samuelson theorem, Dumping: Types, Objectives and effects of dumping; Current incidence of dumping in India and its impact on our economy; Anti-dumping measures.

READING LIST :

1. Bhagwati, J. (Ed.): International Trade, Selected Readings.
2. Brahmananda, P.R.: The IMF Loan and India's Economic Future.
3. Carbough, R.J.: International Economics.
4. Chacholiades, M.: International Trade: Theory and Policy.
5. Corden, W.M.: Recent Developments in the Theory of International Trade.
6. Crockett, A.: International Money: Issues and Analysis.
7. Dana, M.S.: International Economics: Study, Guide and Work Book.
8. Dunn, R.M. and J.H. Mutti: International Economics.
9. Grable, J.O.: International Financial Markets.
10. Greenway, D.: International Trade Policy.
11. Heller, H. Robert: International Monetary Economics.

12. Jackson, J.: The World Trading System.
13. Kenen, P.B.: The International Economy.
14. Kindleberger, C.P.: International Economics.
15. King, P.G.: International Economics and International Economic Policy: A Reader.
16. Krugman, P.R. and M. Obstfeld: International Economics: Theory and Policy.
17. Linder, S.B.: An Essay on Trade and Transformation.
18. Manmohan Singh: India's Export Trends and the Prospects for Self-sustained Growth.
19. Mishkin, S.F.: The Economics of Money, Banking and Financial Markets.
20. Mundell, R.: International Economics.
21. Niehans, J.: International Monetary Economics.
22. Panchmukhi, V.R., K.M. Raipuria and R. Tandon: Money and Finance in World Economic Order.
23. Pomfrert, R.: International Trade: An Introduction to Theory and Policy.
24. Salvatore, D.: International Economics.
25. Soderston, Bo: International Economics.
26. Soloman, R.: The International Monetary System 1945-1981.
27. Tew, B.: The Evaluation of the International Monetary System: 1945-85.
28. Verma, M.L.: International Trade.
29. Whalley, John: Trade Liberalization Among Major Trading Areas.

13. ENVIRONMENTAL ECONOMICS

Objective: Environment is a major issue in today's times. This paper helps to understand the nexus between environment and economic development.

1. Meaning and scope of Environmental Economics, Environment an Economic Good, Environmental Issues in Developed and Developing Countries, A Global perspective, Interaction between Economics, Environment and Ecology.

2. Economic Development and Environment:-Environmental degradation due to Economic Development.(a) Impact of Agricultural development (b) Impact of Industrial development (c) Other Impacts, Sustainable development

3. Some Important Issues in Environmental Economics Environment Impact Analysis (E.I.A) Environment impact statement (E.I.S.) Environment Auditing statement (E.A.) Social Cost\ Benefit Analysis, Market failure, Externalities, collective goods

4. Environment cost of Economic Growth: -Damage cost - direct and Indirect, Protection cost prevention and control of pollution.

5.Environmental Policies and Laws, Constitutional Rights and Duties regarding environment, Changing World - Scenario from Stockholm - conference 1972 to present day, Environment Law 1988 Environment Protection - Law of India

READING LIST :

1. Karpagam M. - Environment Economics A Text Sterling Publishers Pvt. Ltd. New Delhi 1991
2. S.L. Lodha - Economics of Environment R.B.S. A. Publishers SMS Hidhwa Jaipur
3. John Lenihan - Economics of the Environment Blacki & Son Ltd. Bishobridge Glassgow G. 642 NZ
4. J.T. Winpenny - Values for the Environment A Guide to Economics Appraisal London NMSO

OPTIONAL PAPER-III (select any one)

14. LABOUR ECONOMICS-I

Objective: Labour is the prominent input of the factor of production. This paper helps to understand the various issues related to labour as an economic agent.

1.Labour — Its Characteristics; Role of Labour in Economic Development — W.A. Lewis and Ranis Fie; Mobility and productivity of labour; Rationalization; Methods of Recruitment and Placement; Employment Service Organization in India.

2.Employment and Development Relationship — Unemployment: Concept, Types, and Measurement, particularly in India;

3.Employment in Agricultural Sector; Analysis of Educated Unemployment; Employment Policy in Five Year Plans and its Evaluation.

4.Classical, Neo-classical and Bargaining Theories of Wage Determination; Concepts of Minimum Wage, Living Wage and Fair Wage in Theory and Practice; Discrimination in Labour Markets; Productivity and Wage Relationship; Analysis of Rigidity in Labour Markets;

5.National Wage Policy; Wages and Wage Boards in India; Bonus System and Profit Sharing.

READING LIST :

1. Bhagoliwal, T.N.: Economics of Labour and Social Welfare.
2. Datt, G.: Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India.
3. Dunlop, J.T. (Ed.): The Theory of Wage Determination.
4. Government of India: Report of the National Commission on Labour.
5. Hallen, G.C.: Dynamics of Social Security.
6. Hicks J.R.: The Theory of Wages.

7. Jhabvala, R. and R.K. Subrahmanya (Eds.): The Unorganised Sector: Work Security and Social Protection.
8. Lester, R.A.: Economics of Labour, (2nd Edition).
9. McCormick, B. and Smith (Eds.): The Labour Market.
10. Memoria, C.B.: Labour Problems and Social Welfare in India.
11. Misra, L.: Child Labour in India.
12. Pant, S.C.: Indian Labour Problems.
13. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.): Labour, Employment and Industrial Relations in India.
14. Papola, T.S. and Sharma, A.N. (Eds.): Gender and Employment in India.
15. Punekar, S.D.: Labour Welfare, Trade Unionism and Industrial Relations.
16. Sharma. A.N. and A. Kundu (Ed.): Informal Sector in India: Emerging Perspectives.
17. Singh V.B. (Ed.): Industrial Labour in India.
18. Venkata Ratnam, C.S.: Globalization and Labour-Management Relations: Dynamics of Change.

OR

14. ECONOMETRICS -I

Objective: Econometrics is a tool to judge the role of economic variables in the economic development

1. Meaning and Methodology of Econometrics-Nature and Scope Econometrics. The Nature of Regression Analysis and Basics of Two-Variable Regression Analysis. Estimation and Hypothesis Testing. Extensions of the Two-variable Linear Regression Model.
2. Multiple Regression Model, Estimation and Inference.
3. Nature, Consequences, Detection and Remedial Measures of Multi Collinearity, Heteroscedasticity and Autocorrelation.
4. Regression on Dummy Variable, Dynamic Econometrics Models: Autoregressive and Distributed Lag Models.
5. Systems of Equations, Identification and Estimation Methods (ILS and 2SLS), Business Applications of Single Equation Econometrics Model and Systems of Equations. ,

READING LIST :

1. Baltagi, B.H.: Econometrics.

2. Chow, G.C.: Econometrics.
3. Dhrymes, P.J.: Econometrics — Statistical Foundations and Applications.
4. Dongherty, C.: Introduction to Econometrics.
5. Goldberger, A.S.: Introductory Econometrics.
6. Gujarati, D.N.: Basic Econometrics (2nd Edition).
7. Hamonda, O.F. and J.C.R. Roley: Time Series Model, Causality and Exogeneity.
8. Intrilligator, M.D.: Econometric Methods, Techniques and Applications.
9. Johnston, J.: Econometric Methods.
10. Kmenta, J.: Elements of Econometrics (Reprint Edition).
11. Klein, L.R.: Introduction to Econometrics.
12. Koutsoyiannis, A.: Theory of Econometrics (2nd ed.).
13. Maddala, G.S.(Ed.): Econometrics Methods and Application(2 Vols.).
14. Theil, H.: Introduction to Econometrics.
15. Theil, H.: Principles of Econometrics.

15. SURVEY BASED CASE STUDY

The students will be required to write a case study compulsorily in third as well as in fourth semester. The case study should be based on field work, working of any economic organization like cooperatives, local markets, panchayats, nagar palikas, mandies, banks etc.

The evaluation of this case study will be done at two stages.

Stage-I

Preparation and presentation of Synopsis before a committee of experts. This will be evaluated at the end of second semester.

Stage-II

Final submission of the case study Report which will be evaluated at the end of fourth semester.

SEMESTER-IV

16. INDIAN ECONOMIC POLICY

Objective: To give the knowledge of the development of India and the policy associated with its growth since the inception of the planning.

1. Framework of Indian Economy- Economic Policy: An Introduction, Trend and Structure of National Income, Demographic Features and Indicators of Development, Poverty and Inequality: Policy Implications, Employment and Unemployment: Policy Implications

2. Development Strategies in India- Planning in India: Objectives, Strategies and Evaluation, Economic Reforms in India, Critique of Economic Reforms

3. Sectoral Performance-I Agricultural Growth, Productivity Trends and Crop Patterns, Issues and Concerns in Indian Agriculture, Industrial Sector in Pre-reform Period, Industrial Sector in Post-reform Period with Emphasis on Small-Scale Sector

4. Sectoral Performance-II: Infrastructure, Indian Financial System, Money Market and Monetary Policy, Capital Market in India and Working of SEBI

5. Sectoral Performance-III :Foreign Trade and Balance of Payment, India and International Institutions, Multinational corporations and Foreign Capital, Government Finance: Union and states, Fiscal Federalism in India and Latest finance commission

READING LIST :

1. Ahluwalia, I.J. and I.M.D. Little (Eds.): India's Economic Reforms and Development (Essays in honour of Manmohan Singh).
2. Bardhan, P.K.: The Political Economy of Development in India.
3. Bawa, R.S. and P.S. Raikhy (Ed.): Structural Changes in Indian Economy.
4. Brahmananda, P.R. and V.R. Panchmukhi (Eds.): Development Experience in the Indian Economy: Inter-State Perspectives.
5. Chakravarty, S.: Development Planning: The Indian Experience,
6. Chelliah, Raja J. and R. Sudarshan: Income, Poverty and Beyond: Human Development in India.
7. Dantwala, M.L.: Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
8. Datt, R. (Ed.): Second Generation Economic Reforms in India.
9. Government of India, Planning Commission: Ninth Five Year Plan, 1997-2002, Vols. I & II.
10. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.

11. Gupta, S.P.: Post-Reform India: Emerging Trends, Allied Publishers, New Delhi.
12. Jain, A.K.: Economic Planning in India.
13. Jalan, B.: The Indian Economy — Problems and Prospects.
14. Jalan, B.: India's Economic Policy — Preparing for the Twenty First Century.
15. Joshi, V. and I.M.D. Little: India: Macro Economics and Political Economy.
16. Kumar, A.: The Black Money in India.
17. Mookherjee, D. (Ed.): Indian Industry: Policies and Performance.
18. Nayyar, D. (Ed.): Trade and Industrialization.
19. Parikh, K.S.: India Development Report — 1999-2000.
20. Reserve Bank of India, Report on Currency and Finance, (Annual).
21. Sandesara, J.C.: Industrial Policy and Planning, 1947-1991; Tendencies, Interpretations and Issues.
22. Sen, R.K. and B. Chatterjee: Indian Economy: Agenda for 21st Century (Essays in honour of Prof. P.R. Brahmananda).
23. Sen, S.: Trade and Dependence: Essays on the Indian Economy.
24. Subramanian, S. (Ed.): Measurement of Inequality and Poverty.
25. Srinivasan, T.N. (Ed.): Eight Lectures on India's Economic Reforms.
26. World Bank: India: Reducing Poverty, Accelerating Economic Development.

17. INTERNATIONAL ECONOMICS-II

Objective: India's foreign trade is increasing day by day so that there is a need to know the system of international trade and the role of the international institution in the economic development.

1.Foreign Trade and Economic Development. Meaning and Components of Balance of Payments, Equilibrium and disequilibrium of Balance of Payments. Factors causing disequilibrium balance of payments.

2.Adjustment mechanisms of Balance of Payments Under Gold Standards, Under flexible exchange rates (price effect), Under elasticity approach Marshall Lerner condition, Under capital movements and direct control for adjustment. Foreign Trade Multiplier and determination of Income.

3.Concept of Foreign exchange rate, Determination of Equilibrium exchange rate. Theories of exchange rate determination the purchasing power parity theory and the Balance of Payment theory. Factor causing changes in exchange rates. Relative's merits and demerits of fixed and flexible exchange rates, concepts of spot and forward exchange rates, convertibility of currency.

4. Exchange control Meaning, features, objectives and methods of exchange control. Devaluation -Devaluation of Indian Rupee and its impact on our economy. Free Trade versus protection cases for and against.

5. World Trade Organization -Functions, structure objectives and working of WTO India and WTO Trade Blocks EU, NAFTA, ASEAN, International Monetary Fund Origin, objectives, functions and working of the fund, India & IMF .World Bank Functions, working, India and the World Bank. Foreign Trade and BOP of India, Recent changes in the direction and composition of trade, Major problems of Indian Export Sector.

READING LIST :

1. Bhagwati, J. (Ed.): International Trade, Selected Readings.
2. Brahmananda, P.R.: The IMF Loan and India's Economic Future.
3. Carbough, R.J.: International Economics.
4. Chacholiades, M.: International Trade: Theory and Policy.
5. Corden, W.M.: Recent Developments in the Theory of International Trade.
6. Crockett, A.: International Money: Issues and Analysis.
7. Dana, M.S.: International Economics: Study, Guide and Work Book.
8. Dunn, R.M. and J.H. Mutti: International Economics.
9. Grable, J.O.: International Financial Markets.
10. Greenway, D.: International Trade Policy.
11. Heller, H. Robert: International Monetary Economics.
12. Jackson, J.: The World Trading System.
13. Kenen, P.B.: The International Economy.
14. Kindleberger, C.P.: International Economics.
15. King, P.G.: International Economics and International Economic Policy: A Reader.
16. Krugman, P.R. and M. Obstfeld: International Economics: Theory and Policy.
17. Linder, S.B.: An Essay on Trade and Transformation.
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21. Niehans, J.: International Monetary Economics.
22. Panchmukhi, V.R., K.M. Raipuria and R. Tandon: Money and Finance in World Economic Order.
23. Pomfret, R.: International Trade: An Introduction to Theory and Policy.
24. Salvatore, D.: International Economics.
25. Soderstrom, Bo: International Economics.

26. Soloman, R.: The International Monetary System 1945-1981.
27. Tew, B.: The Evaluation of the International Monetary System: 1945-85.
28. Verma, M.L.: International Trade.
29. Whalley, John: Trade Liberalization Among Major Trading Areas.

18. ECONOMICS OF SOCIAL SECTOR & GENDER

Objective: To provide the knowledge regarding the role of social sector and gender in economic development.

1. Education as an instrument for economic growth; Economics of Education; Cost of Education; Expenditure of education; Direct & indirect benefit;
2. Educational Planning and economic growth, Manpower planning, educational finance.
3. Economics of Health Essentials of Health Economics, Determinant Factors of Health, Externalities and Health Care, Health Care and Insurance, Problems of Public Health in Low Income Countries. Problems, Reforms and Lessons for India. Infrastructure of health care system in India.
4. Gender Economics – Strategy for Women Empowerment in India, Factor Affecting Decision Making by Women, Role of N.G.O. in Women Empowerment in India,
5. Development Index (Human Development Index, Gender Development Index and Gender Empowerment Measure (GEM), Gender Discrimination, Gender Bias

READING LIST :

1. WHO Health Economics
2. Ward, R.A. Economics of Health Resources
3. Wells, Stuart Health Economics and Development

OPTIONAL PAPER-IV

19. LABOUR ECONOMICS-II

1. Theories of Origin and Growth of Labour Movement — Growth, Pattern and Structure of Labour Unions in India, Achievements and Failures of Labour Unions;
2. Industrial Relations — Industrial Disputes and industrial Peace; Causes of industrial Disputes and their Settlement and Prevention Mechanism;

3.Labour Legislation in India; Indian Labour Laws and Practices in Relation to International Labour Standards.

4.State and Social Security of Labour — Concept of Social Security and its Evolution; Social Assistance and Social Insurance; Review and Appraisal of State Policy with Respect to Social Security and Labour Welfare in India;

5.Special Problems of Labour: Child Labour, Female Labour, Discrimination and Gender Bias in Treatment of Labour; Labour Market Reforms in India — Second National Commission on Labour; Globalisation and Labour Markets.

READING LIST :

1. Bhagoliwal, T.N.: Economics of Labour and Social Welfare.
2. Datt, G.: Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India.
3. Dunlop, J.T. (Ed.): The Theory of Wage Determination.
4. Government of India: Report of the National Commission on Labour.
5. Hallen, G.C.: Dynamics of Social Security.
6. Hicks J.R.: The Theory of Wages.
7. Jhabvala, R. and R.K. Subrahmanya (Eds.): The Unorganised Sector: Work Security and Social Protection.
8. Lester, R.A.: Economics of Labour, (2nd Edition).
9. McCormick, B. and Smith (Eds.): The Labour Market.
10. Memoria, C.B.: Labour Problems and Social Welfare in India.
11. Misra, L.: Child Labour in India.
12. Pant, S.C.: Indian Labour Problems.
13. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.): Labour, Employment and Industrial Relations in India.
14. Papola, T.S. and Sharma, A.N. (Eds.): Gender and Employment in India.
15. Punekar, S.D.: Labour Welfare, Trade Unionism and Industrial Relations.
16. Sharma. A.N. and A. Kundu (Ed.): Informal Sector in India: Emerging Perspectives.
17. Singh V.B. (Ed.): Industrial Labour in India.
18. Venkata Ratnam, C.S.: Globalization and Labour-Management Relations: Dynamics of Change.

OR

19. ECONOMETRICS -II

1. Regression Analysis and Analysis of Variance- One way and Two way Analysis.
2. Matrix Approach to Linear Regression Model. Assumptions, OLS Estimation and their properties. Interpretation of Results.
3. Distributed Lag Models — Koyak Reduction, Partial Adjustment and Adaptive Expectations, Almon's Approach.
4. Errors in variable, Test of equality between coefficient's (Chow Test) Application of LRM for estimation of Growth rate, demand function, production function.
5. Mixed Estimation Methods, Restricted Least Squares (RLS), Durbin's Generalized ~ Least squares and Method of Principal Components. The Maximum likelihood methods. Application of Econometrics in Economics.

READING LIST :

1. Baltagi, B.H.: Econometrics.
2. Chow, G.C.: Econometrics.
3. Dhrymes, P.J.: Econometrics — Statistical Foundations and Applications.
4. Dongherty, C.: Introduction to Econometrics.
5. Goldberger, A.S.: Introductory Econometrics.
6. Gujarati, D.N.: Basic Econometrics (2nd Edition).
7. Hamonda, O.F. and J.C.R. Roley: Time Series Model, Causality and Exogeneity.
8. Intrilligator, M.D.: Econometric Methods, Techniques and Applications.
9. Johnston, J.: Econometric Methods.
10. Kmenta, J.: Elements of Econometrics (Reprint Edition).
11. Klein, L.R.: Introduction to Econometrics.
12. Koutsoyiannis, A.: Theory of Econometrics (2nd ed.).
13. Maddala, G.S.(Ed.): Econometrics Methods and Application(2 Vols.).
14. Theil, H.: Introduction to Econometrics.
15. Theil, H.: Principles of Econometrics.

20. COMPREHENSIVE VIVA-VOCE

At the end of the final semester Viva-Voce will be taken place in the presence of external where students are supposed to be asked from the whole syllabus of M.A. Economics.

