

Department of Economics, Kakatiya University, Warangal
Course Structure of M.A Economics under CBCS

M.A Economics - I Semester						
Paper	Title	Contact Hours	Credits	Internal	External	Total
1	Micro Economics –I	5	5	20	80	100
2	Macro Economics –I	5	5	20	80	100
3	Quantitative Methods-I	5	5	20	80	100
4	International Economics -I	5	5	20	80	100
5	Indian Economy-I	5	5	20	80	100
6	Seminar		1	25	-	25
	Total	25	26	125	400	525
M.A Economics - II Semester						
Paper	Title	Contact Hours	Credits	Internal	External	Total
1	Micro Economics –II	5	5	20	80	100
2	Macro Economics –II	5	5	20	80	100
3	Quantitative Methods –II	5	5	20	80	100
4	International Economics -II	5	5	20	80	100
5	Indian Economy-II	5	5	20	80	100
6	Seminar		1	25	-	25
	Total	25	26	125	400	525

Prof. B. Suresh Lal
Head & Chairperson, Board of Studies

Course Structure of M.A Economics under CBCS

M.A Economics - III Semester						
Paper	Title	Contact Hours	Credits	Internal	External	Total
1	Public Economics –I	5	5	20	80	100
2	Economics of Growth and Development	5	5	20	80	100
3	Economics of Environment	5	5	20	80	100
Elective Papers						
4 A B C D	Economics of Agriculture Financial Institutions & Markets Economics of Rural Development Political Economy	5	5	20	80	100
5 A B C D	Industrial Economics Econometric Methods Economics of Tribal Studies Economics of Women’s Studies	5	5	20	80	100
6	Seminar		1	25	-	25
	Total	25	26	125	400	525

Prof. B. Suresh Lal
Head & Chairperson, Board of Studies

Course Structure of M.A Economics under CBCS

M.A Economics - IV Semester						
Paper	Title	Contact Hours	Credits	Internal	External	Total
1	Public Economics –II	5	5	20	80	100
2	Issues in Economic Development & Polices	5	5	20	80	100
3	Economics of Social Sector	5	5	20	80	100
Elective Papers						
4 A B C D	Labour Economics Human Resource Management Managerial Economics Computer Applications in Economics	5	5	20	80	100
5 A B C D	Regional Economic Applied Econometric Methods Demography Economics of Infrastructure	5	5	20	80	100
6	Seminar		1	25	-	25
	Total	25	26	125	400	525

Prof. B. Suresh Lal
Head & Chairperson, Board of Studies

Department of Economics
Kakatiya University, Warangal (TS)

MA (Economics) Previous
Semester – I

PAPER - I: MICRO ECONOMICS - I

- UNIT - I** Basic Economic Problems - Choice & Scarcity - Ordinal Utility Analysis - Income and Substitution effects - Indifference curves - Slutsky theorem Revealed Preference Theory NM - Index -Methods of Demand forecasting.
- UNIT - II** Theory of Production and Costs-Modern theory of costs – Linear Homogeneous Production Function - Cobb-Douglas and CES Production Functions - Derivation of cost functions from production function.
- UNIT - III** Different Markets–Perfect Competition, Monopoly Markets, Price and Output Determination in perfect competition market, long run and short run, firm and industry. Monopoly Market, Approaches in Price and Output Determination, Analysis of Discriminating Monopoly, Bilateral Monopoly and Duopoly Markets.
- UNIT - IV** Monopolistic Competition – General and Chamberlin Approaches to Equilibrium, Impact of Selling cost and Indirect taxes on Equilibrium in Monopolistic Competition, Break- even Analysis, Critical Analysis of Monopolistic Competition. Oligopoly - Collusive and Non-collusive Models – Cournot and Bertrand, Kinked Demand curve and Stackelberg solution, Price Leadership (Cartel model) Game theory.
- UNIT - V** Alternative theories - Marginal Pricing - Average Cost Pricing - Baumol s Model-Harris Model - Bain's Limit Pricing Theory - G. Williamson's Model - Cyert & March Behavioural Models.

READING LIST:

- Reynold, L.G. : Micro Economic Analysis and Policy, University Book Stall.
Koutsoyiannis, A : Modern Micro Economic Theory - Macmillian Co, New York.
Baumol, J, William : Economic Theory and Operations analysis, Prentice Hall India
JEA : Readings in the theory of Price. Creyeant and Cohen: Theory of the firm
Ahuja, H.L. : Advanced Economic Theory: Micro Economic Analysis, S. Chand & Co.,
Stigler,G.J : The Price Theory OUP, Henderson.
Handerson & Quandt : Micro Economic Theory and Applications.
Hal R Varian, :Micro Economic Analysis 1992 Third Edition, W W Norton and Company
Halderson and
Layard and Walters : Micro Economic Theory, McGraw Hill
Whinston & J.R.Green : Micro Economic Theory.
Weintraub. E.R : General Equilibrium Theory, Macmillan, London
Hildenbrand and
Kirman, A.P.(1976) : Introduction to Equilibrium Analysis
Arrow, K.J &
Halin, F.M (1971) : General competitive analysis
/ASR/

PAPER - II: MACRO ECONOMICS – I

- UNIT - I Importance and Concepts of National Income- Problems in Estimation of National income- National Income & Social Accounting Methods of Estimation of National income.
- UNIT - II Classical Macro Economics - Classical Theory of Employment - Critique of Classical Theory - Basic Keynesian Model - Keynesian consumption Function - Investment Multiplier and Accelerator- IS-LM curves - Equilibrium in Product and Money Markets.
- UNIT - III Empirical studies on short-run and long-run consumption functions - Absolute Income Hypothesis - Relative Income Hypothesis - Life Cycle Hypothesis and Permanent income Hypothesis -Investment Demand Function - Post- Keynesian and Neo-Classical Approaches.
- UNIT - IV Demand for money - Quantity Theory of Money - Friedman's Neo-quantity theory of money - Baumol -Tobin Portfolio theories - Rational Expectations Hypothesis.
- UNIT- V Supply side Economics - Supply of Money - Theories of money supply, Classical and Keynesian Approaches- High powered money and money multiplier- control of money supply- Measures of Money Supply in India.

READING LIST:

1. Gardener Ackely, (1978) : Macro Economics - Theory & Policy
2. Branson, W.A (1989) : Macro Economic Theory and Policy
3. Jha, R (1991) : Contemporary Macro Economic Theory and Policy, Wiley Eastern Ltd.,
4. Jhingan, M.L.(1999) : Macro Economics
5. Surrey MJC, (1976) : Macro Economic Theorems, Oxford
6. Rao, V.K.R.V (1983) : India's National Income, 1950 to1980, New Delhi.
7. Keynes, J.M (1936) : General Theory of Employment, Interest and Money
8. Gupta, S.B. : Monetary Theory.
9. Edward Shepiro : Macro Economic Analysis, Galgothi Publication, New Delhi.
10. David Laidler : Demand for money, Mac Millian
11. Hicks, Mukerjee & Ghosh Social Frame work of Indian Economy

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PAPER - III: QUANTITATIVE METHODS - I

- UNIT - I Basic concepts in statistics - Population, sample, graphic and diagrammatic representation of data - Measures of Central tendency - Mean, Median, Mode - Geometric Mean and Harmonic Mean.
- Unit – II Measures of Dispersion - Range, Quartile Deviation, Mean Deviation, Standard Deviation - Co-efficient of Variation - Gini - Co-efficient - Skewness and Kurtosis.
- UNIT - III Simple correlation - Pearson's correlation co-efficient and Spearman's rank correlation co-efficient - Regression analysis - Estimation of regression lines of Y on X and X on Y in a bivariate distribution - Least Squares Method and interpretation of Regression Co-efficient.
- UNIT - IV Uses and Limitations of Quantitative Methods in Economics - Concept of a function - types of functions- concept of derivative; Rules of Differentiation and its applications in Economics - Maxima and Minima and Its applications in Economics –Partial Differentiation and its interpretation – Maxima and Minima in single and multi-variable functions
- UNIT - V Concept of Matrix and its types – Basic Operations - Determinants and their basic properties Matrix inversion and rank of a matrix - Solution of Simultaneous equations- through Cramer's rule- Introduction to input- output analysis - Basic linear programming

RECOMMENDED BOOKS:

1. Monga G.S. : Mathematics & Statistics for Economists, Vikas Publishing House, Delhi.
2. Baumol : Economic Theory & Operations Analysis Practice hall, Englewood Chitts, New Jersey
3. Taro Yamane : Statistics, Harper and Row
4. Chiang A.C. : Fundamental Methods of Mathematical Economics, Mc Graw Hill, New York
5. S.P. Gupta : Statistical Methods, S. Chand & Co.,
6. Elhance : Statistical Methods

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Paper – IV: INTERNATIONAL ECONOMICS – I

- Unit – I Theories of International Trade – Classical theories of Trade – Adam Smith, Ricardo; Neo-Classical Theories; Heberler’s Opportunity Cost Approaches; Modern theories of Trade – Hecksher and Ohlin Model; Leontief Paradox; Factor Price Equalization theorem
- Unit – II Gains from Trade: Measurement of Gains from Trade and their distribution; concepts of Terms of Trade – Income and Factorial Terms of Trade; Hypothesis of Secular deterioration of terms of trade and its implications for less developed countries – Immiserising Growth – Trade as an Engine of Economic Growth
- Unit – III Theory of Interventions: Tariff Issues, Quotas and its Economic effects; the political economy of non-tariff barriers and the implications-nominal, effective and optimum rates of tariffs - their impact and welfare implications; Trade under imperfective competitive market – EEC
- Unit – IV Balance of Payments: Meaning and components of Balance of Payment, causes for disequilibrium in BOP and measures to correct; Expenditure reducing and switching policies, Marshall and Lerner’s conditions.
- Unit – V Foreign exchange rate determination under the Gold Standard, Fixed and Flexible exchange rate, Purchasing Power Parity theory – India’s foreign exchange reserves, convertibility of rupee, FEMA (Foreign Exchange Management Act)- Importance of International Trade for a Developing economy.

References:

1. Bhagavati, J (Ed) : International Trade Selected Readings, Cambridge University Press, Massachusetts.
2. Kindleberger, : International Economics, R.D Irwin, Home Wood
3. Soderston, B.O. : International Economics, the Macmillan Press Ltd., London.
4. Brahmananda, P.R. : The IMF Loan and India’s Economic Future, Himalaya Publishing House, Bombay
5. Man Mohan Singh : India's Export Trends and the prospects for self-sustained Growth, Oxford University Press, New Delhi
6. Nayyar, D : India's Exports and Export Policies in the 1960's Cambridge University Press
7. Panchamukhi, V.R. : Trade Policies of India - A Quantitative Analysis, Concept Publishing Company, New Delhi.
8. Mundell, R : International Economics, the Macmillan Company Ltd., New York.

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PAPER - V: INDIAN ECONOMY - I

- UNIT - I** Structure of Indian Economy in Pre-British Period- Economic stagnation during the British -Problems of Agriculture and Industrial sectors - Drain of Wealth - estimations of National Income during British period.
- UNIT - II** Six decades of planned development - The National Institution for Transforming India (**NITI Aayog**) - Recent trends in sectoral rates of Growth in India - Indian economy - Inter-State variations in Development - Lopsided development - Organized and unorganized sectors- emergence of informal sector in India.
- UNIT - III** Global population structure - Birth and Death rates- demographic features of India's population - Rural-Urban Migration - Urbanization and its implications- Role of Social & Economic Factors for Population control
- UNIT - IV** Recent Development trends/Indicators in HDI, PQLI, GEI, GDI and other Development indices with special reference to India and Telangana State.
- UNIT - V** Role of Infrastructure in Economic Development - Energy, Social Infrastructure- Education- Health- Environment- Transport- Regional variations in Infrastructure development and implications of recent pattern of economic development of India.

READING LIST:

- IGIDR : Human Development Report India
- CESS : Human Development Report Telangana State
- Daniel Thorner : Land and Labour in India.
- Bimal Jalan : Indian Economy - Problems and Prospects
- A.K. Sen : India's Economic Development - some regional dimensions.
- P.K. Bardhan : The Political Economy of Development in India, Oxford University Press, (1999).
- I.J. Ahulwalia and I.M.D. Little : India's Economic Reforms and Development, Oxford University Press, (1999).
- Dadabhai Naoroji : Poverty and Un British rule in India.
- P.R. Brahmananda and V.R. Pancharukhi : Development Experience in the Indian Economy: Inter-State Perspectives (2001).
- S.Chakravarty : Development Planning: The Indian Experience, Oxford University Press, (1987).
- M.L. Dantawala : Dilemmas of Growth: The Indian Experience, SAGE Publications (1996).
- J.C. Sandesara : Industrial Policy and Planning 1947-1991: Tendencies, Interpretations and issues SAGE (1992).
- Bimal Jalan : India's Economic Policy - Preparing for twenty first century, Vikas Publishers (1996)
- R. Dutt & Sunderam, K.P.M } : Indian Economy, S. Chand & Co.
- Mishra & Puri } : Indian Economy, Himalaya Publishing Company, .
- /BSL/

Department of Economics
Kakatiya University, Warangal (T.S)

M.A. (Economics) Syllabus w.e.f from the Academic Year 2016 - 2017

<u>I - Semester</u>	: Paper-1	Micro Economics – I
(All papers compulsory)	: Paper-2	Macro Economics – I
	: Paper-3	Quantitative Methods – I
	: Paper-4	International Economics – I
	: Paper-5	Indian Economy – I
<u>II - Semester</u>	: Paper-1	Micro Economics – II
(All papers compulsory)	: Paper-2	Macro Economics – II
	: Paper-3	Quantitative Methods – II
	: Paper-4	International Economics – II
	: Paper-5	Indian Economy – II
<u>III-Semester</u>	: Paper-1	Public Economics - I
(Three Papers Compulsory)	: Paper-2	Economics of Growth and Development
	: Paper-3	Economics of Environment
(One Elective from Paper 4 & 5 respectively)	: <u>Paper-4 Optional</u>	
	A).	Economics of Agriculture
	B).	Financial Institutions & Markets
	C).	Economics of Rural Development
	D).	Political Economy
	: <u>Paper-5 Optional</u>	
	A).	Industrial Economics
	B).	Econometric Methods
	C).	Economics of Tribal Studies
	D).	Economics of Women’s Studies
<u>IV-Semester</u>	: Paper-1	Public Economics - II
(Three Papers Compulsory)	: Paper-2	Issues in Economic Development & Policies
	: Paper-3	Economics of Social Sector
(One Elective from Paper 4 & 5 respectively)	: <u>Paper-4 Optional</u>	
	A).	Labour Economics
	B).	Human Resource Management
	C).	Managerial Economics
	D).	Computer Applications in Economics
	: <u>Paper-5 Optional</u>	
	A).	Regional Economics
	B).	Applied Econometric Methods
	C).	Demography
	D).	Economics of Infrastructure

**Department of Economics
Kakatiya University, Warangal**

**M.A. (Economics) Previous
Syllabus w.e.f the Academic Year 2016 – 2017 (under CBCS Method)**

Semester – II

PAPER - I: MICRO ECONOMICS - II

- UNIT - I Factor pricing - Perfectly competitive markets - Imperfectly competitive markets - Monopoly and monopolistic competitive markets.
- UNIT - II Theory of Distribution - Neo-Classical theory of distribution - Marginal productivity theory - Euler's theorem - Clark - Wicksteed - Walras's Production Exhaustion theorem.
- UNIT - III General Equilibrium V/S Partial Equilibrium -Walrasian theory of General Equilibrium, in two factor good, two consumer model- the notion of competitive equilibrium - Existence - Uniqueness & stability of an equilibrium.
- UNIT - IV Welfare Economics –Individual Welfare and Social Welfare, Welfare Economics Criteria – Bergson's Criteria – Kaldor's compensation criteria, Arrow's Impossibility theorem, Amartya Sen's Theory of Social choice.
- UNIT - V Pareto-optimality- the concept of Economic efficiency, marginal conditions of Pareto-optimality, critique of Pareto-optimality, Social welfare functions – first theorem of welfare economics, Second theorem of Welfare economics – Market failures and Externalities.

READING LIST:

- Quirk, J.P &
Saposnik, R (1968) : Introduction to General Equilibrium theory and Welfare Economics
W.J.Baumol : Economic theory & Operation analysis
M.Dobb : Theories of Value & Distribution
E.J. Mishan : Welfare Economics - An Assessment
Joan Robinson : Economics of Imperfect competition
Krap David, M (1990) : A Course in Micro Economics Theory, Princeton University Press Princeton
Broadway, R and
N. Bruce (1984) : Welfare Economics, Basil Blackwell, London
Amartya Sen : Choice and Welfare, OUP
Ahuja, HL : Advanced Economic Theory
Koutsoyiannis, A : Modern Micro Economics.

PAPER - II: MACRO ECONOMICS - II

- UNIT - I Theories of Inflation - Inflation and Unemployment, Classical, Keynesian and Monetarist approaches to Inflation, structuralist theory of Inflation, Philips Curve analysis - Short run and long run Philips Curve, Tobin's modified Philips curve and Policies to control inflation.
- Unit- II Theories of Business Cycles - Theories of Schumpeter - Samuleson's model - Hicksian model and Kaldor's model of Business cycles – Real Business Cycles.
- UNIT - III Macro Economic Policies - Objectives of Macro economic policy - Monetary policy & Exchange rate policy- Income Policy - Fiscal Policy - Stabilization Policies in India - Relative efficiency of Monetary and Fiscal Policies.
- UNIT –IV Keynesianism Vs Monetarism - The Neo Classical Critique of micro foundations of Macro Economic - The Neo Classical Approach – Neo-Keynesianism - Policy implications - Empirical Evidence.
- UNIT - V Developmental role of RBI - Macro Economic Stabilization and Structural adjustment - Financial sector reforms and critical appraisal of structural adjustment policies.

READING LIST:

- Ackley, G (1978) : Macro Economic Theory and Policy.
Branson, W.A (1989) : Macro Economic Theory and Policy.
Jha, R (1991) : Contemporary Macro Economic theory and Policy, Wiley Eastern Ltd.,
Jhingan, M.L. : Macro Economics
Stanley Bobber : Cycles and Economic Growth Wiley Eastern Publications.
Scarfe, B.L (1977) : Cycles, Growth and Inflation
Surrey, MJC (1976) : Macro Economic Themes, Oxford
Keynes, J.M. : General Theory of Employment, Interest and Money, London.
G.K. Shah : Macro Economic Policy, Mac Million
Mathiyas : A History of Non-Marxian Economics
Ghatak, S. (etal) : Macro Economics Environment, Weidenfeld & Nicolson, London, 1992.
Rakshit, Mihir (Ed) : Studies in Macro Economics of Developing Countries, OUP, 1989.
Stanely Fisher (etal) : Macro Economics, Bentic Hall
Suraj, B. Gupta : Monetary Economics, S. Chand & Company
Rajaiah, G. (Ed) : Vyapara Chakralu Monograph, Telugu Academy, 1989.

PAPER - III: QUANTITATIVE METHODS - II

- UNIT - I Concept of Probability - various types of Events – Classical and Empirical Definitions of Probability; Addition theorem – Multiplication theorem – Conditional Probability – Baye's theorem
- UNIT - II Elementary concept of Random Variable - Mathematical Expectation - Moments - Properties of Binomial, Poison and Normal Distribution - Basic concepts of Sampling - Simple Random and Stratified Random Sampling - Concept of Estimation.
- UNIT - III Formulation of Statistical Hypothesis – Null and Alternative Hypotheses – Type I and Type II Errors – Hypotheses testing based on Z, t, Chi-square and F tests – Chi-square as Non-Parametric Test – Confidence Limits.
- UNIT - IV Time Series Analysis – Components of Time Series – Uses – Calculation of Straight Line Trend by OLS Method – Moving Averages Method – Measurement of Season variations – Link Relative Method.
- UNIT – V Concept of Index Number – Uses – Types of Index Numbers - Laspeyer's, Paasche's and Fisher's Methods – Tests for an Ideal Index Number – Problems in the construction of Index numbers – Chain Index Numbers – Consumers' Price Index .

RECOMMENDED BOOKS:

- Taro Yamane : Statistics - Harper & Rao, 1925
- S.P. Gupta : Statistical Methods, S. Chand, 2000
- Nagar A.L. & R.K. Das : Basic Statistics, Oxford University Press, 1993
- S.P. Gupta : Fundamental of Applied Statistics, S. Chand, Co., 1993
- Speigal, M.R. : Theory and Problems of Statistics, Mc Graw Hill Book Co., London, 1992
- Monga, G.S. : Mathematics and Statistics for Economists, Vikas, 1972.
- Croxton, Crowden and Krix : Applied General Statistics, Rantice Hall of India, 1971.
- Gupta, S.P & Kapoor, V.K : Fundamentals of Mathematical Statistics, Sultan chand, New Delhi, 1995.

Paper – IV: INTERNATIONAL ECONOMICS – II

- Unit – I Trade Problems of Developing Countries – Prebisch Singer and Unequal Hypothesis – Rise and Fall of Gold Standard and emergence of Brettonwoods system; role of International Institutions – IBRD, IMF, ADB in relation to Developing Countries
- Unit – II The Theory of Regional Blocs: Forms of Economic Co-operation; Inter-Regional Trade, SAARC/ SAPA and ASEAN Regions, Problems and prospects of Customs Union, Regionalism (EU, NAFTA), Multilateralism and WTO
- Unit – III India’s International Trade – Problems of Trade and Trade Policies in India for the last five decades, changes in the direction and composition of trade and their implications. New Trade Policy in the Reform Period
- Unit-IV India’s balance of payment- Pre and Post Globalization Period. Management of balance of payments- Fiscal and external policies, trade strategy, exchange rate management, reserve management strategy,- Trade reforms and its effect on balance of payments and growth
- Unit – V Trade and Development – Commercial Policy and Economic Development of less developed countries, Foreign Capital and Developing Countries, Problems of India’s International Debt, Export Promotion Strategies and EXIM Policies

References:

1. Bhagavati, J (Ed) : International Trade Selected Readings, Cambridge University Press, Massachusetts, 1981.
2. Kindleberger, : International Economics, R.D Irwin, Home Wood, 1973
3. Soderston, B.O. : International Economics, the Macmillan Press Ltd., London.
4. Brahmananda, P.R. : The IMF Loan and India’s Economic Future, Himalaya Publishing House, Bombay
5. Man Mohan Singh : India's Export Trends and the prospects for self-sustained Growth, Oxford University Press, New Delhi.
6. Nayyar, D : India's Exports and Export Policies in the 1960's Cambridge University Press
7. Panchamukhi, V.R. : Trade Policies of India - A Quantitative Analysis, Concept Publishing Company, New Delhi.
8. Mundell, R : International Economics, the Macmillan Company Ltd., New York.
9. Salvatore : International Economics, Schaum Series
10. Krugman, PR & M.Obstfeld : International Economics Theory & Policy, Glenview, Foresman
11. Dunn, RM & JM Mutti : International Economics, Routledge, London, 2000

PAPER: V - INDIAN ECONOMY - II

- UNIT - I Institutional Structure - land reforms in India -Technological changes in agriculture - implications - pricing of agricultural inputs and output- Terms of trade between agriculture and industry.
- UNIT - II Agricultural finance and policy, Agricultural Marketing, Issues of food Security, Problems of Rural labour in India, Poverty and Unemployment alleviation Programmes.
- UNIT - III Industrial Policies, Public and private enterprises and their performance- Problem of industrial sickness in India- 1991 IPR- Privatization and disinvestment debate- Growth and pattern of industrialization- problems of Small- Scale Industries- Problems of Industrial labour in India.
- UNIT - IV Structure and direction of foreign trade- Balance of Payments- Issues in export-import policy and FERA- Exchange rate policy- Foreign capital and role of MNCs in India- Trade reforms in India.
- UNIT - V Globalization of Indian Economy- W T O and its impact on the different sectors of the economy- Need for good governance- Issues in competition and safety nets in Indian Economy.

READING LIST:

1. D.R. Gadgil : Industrial Evolution of India
2. A.K. Bagchi : Private Investment in India, 1900-1930
3. M. Kidron : Foreign Investment in India
4. Daniel & Alies Thorner : Land and Labour in India
5. Brain Baveg : Indian Economy
6. Pramit Choudary : Readings in Agricultural Development (ed)
7. R. Dutt and KPM Sunderam (ed) : Indian Economy, S. Chand & Co. 2001
8. Misra & Puri : Indian Economy, Himalaya Publishing House, 2001.
9. Daniel Thorner : Land and Labour in India.
10. Bimal Jalan : Indian Economy - Problems and Prospects
11. A.K. Sen : India's Economic Development - some regional dimensions.
12. P.K. Bardhan : The Political Economy of Development in India, Oxford University Press, (1999).
13. I.J. Ahulwalia and I.M.D. Little : India's Economic Reforms and Development, Oxford University Press, (1999).
14. P.R. Brahmananda and V.R. Panchamukhi : Development Experience in the Indian Economy: Inter-State Perspectives (2001).
15. S.Chakravarthy : Development Planning: The Indian Experience, Oxford University Press, (1987).
16. M.L. Dantawala : Dilemas of Growth: The Indian Experience, SAGE Publications (1996).
17. J.C. Sandesara : Industrial Policy and Planning 1947- 1991: Tendencies, Interpretations and issues SAGE (1992).
18. Bimal Jalan : India's Economic Policy - Preparing for twenty first century, Vikas Publishers (1996).

Department of Economics
Kakatiya University, Warangal (T.S)
M.A. (Economics) Syllabus w.e.f from the Academic Year 2016 – 2017

Titles of the Papers:

<u>I - Semester</u>	: Paper-1	Micro Economics – I
(All papers compulsory)	: Paper-2	Macro Economics – I
	: Paper-3	Quantitative Methods – I
	: Paper-4	International Economics – I
	: Paper-5	Indian Economy – I
<u>II - Semester</u>	: Paper-1	Micro Economics – II
(All papers compulsory)	: Paper-2	Macro Economics – II
	: Paper-3	Quantitative Methods – II
	: Paper-4	International Economics – II
	: Paper-5	Indian Economy – II
<u>III-Semester</u>	: Paper-1	Public Economics - I
(Three Papers Compulsory)	: Paper-2	Economics of Growth and Development
	: Paper-3	Economics of Environment
(One Elective from Paper 4 & 5 respectively)	: <u>Paper-4 Optional</u>	
	A).	Economics of Agriculture
	B).	Financial Institutions & Markets
	C).	Economics of Rural Development
	D).	Political Economy
	: <u>Paper-5 Optional</u>	
	A).	Industrial Economics
	B).	Econometric Methods
	C).	Economics of Tribal Studies
	D).	Economics of Women’s Studies
<u>IV-Semester</u>	: Paper-1	Public Economics - II
(Three Papers Compulsory)	: Paper-2	Issues in Economic Development & Policies
	: Paper-3	Economics of Social Sector
(One Elective from Paper 4 & 5 respectively)	: <u>Paper-4 Optional</u>	
	A).	Labour Economics
	B).	Human Resource Management
	C).	Managerial Economics
	D).	Computer Applications in Economics
	: <u>Paper-5 Optional</u>	
	A).	Regional Economics
	B).	Applied Econometric Methods
	C).	Demography
	D).	Economics of Infrastructure

Department of Economics
Kakatiya University, Warangal

M.A. (Economics) Syllabus w.e.f from the Academic Year 2016 - 2017

M.A. (Economics) (Final)
SEMESTER – III

PAPER: I - PUBLIC ECONOMICS - I

- UNIT - I Public finance: Role of the state in Economic activity – Multiple theory of public house hold –distinction between private & public fiancé – public fiancé in developing countries.
- UNIT –II The Principle of maximum Social advantage – Musgrave’s views – Mrs. Hicks optima of Public policy – Externalities and public goods – theory of second best – public choice theory.
- UNIT - III Taxation; Theories of Incidence - Traditional and Modern Approaches - Benefit Approach - Ability to Pay Approach - Neutrality Approach - Laffer Curve-Taxable capacity.
- UNIT - IV Public Expenditure - Wagner's Law - Peacock - Wiseman Hypothesis - Criteria for Public Investment - Social Cost - Benefit Analysis - Budget Classification - Programming Budget - Zero - Based Budgeting
- UNIT - V Public Debt - Burden Controversy - Debt Management - Redemption of Public Debt - Public Debt and third World Countries.

READING LIST:

1. R.A. Musgrave : Theory of Public Finance
2. Musgrave & Musgrave : Public Finance in theory and Practice
3. Houghton : Public Finance
4. A.E.A : Readings in Economics of Taxation
5. Hugh Dalton : Principles of Public Finance
6. B.P. Tyagi : Public Finance.
7. R.N. Bhargav : Indian Public Finance.
8. J.F. Due : Govt. Finance
9. J.M. Buchaman : Public principles of Public Debt (Illimans, 1958)
10. Cook, H.J., : The role of debt in the economy (Washington, 1961).
11. I.M.D. Little : Project Appraisal and Planning for Developing countries
12. A.R. Prest : Public Debt and Economic Development
13. R. Jha : Public Finance
14. R.K. Singh : Public Finance
15. H.S. Agarwal : Public Finance
16. Sampath Mukherjee : Simple analytics of Public Finance
17. R.K. Choudhry : Public Finance & Fiscal Policy.

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PAPER: II - ECONOMICS OF GROWTH AND DEVELOPMENT

- UNIT – I Growth and Development -Measuring of Growth and Development – factors affecting Economic growth -traditional approach- Welfare oriented approach - Human Development approach - essential components of Human Development- Human Development Index.
- UNIT – II Theories of Development Growth Models - Classical and Neo-Classical theories of Development - Schumpeter and Capitalist Development - Rostow's Stages of Economic Growth - Marxian Growth Sates and Development Model.
- UNIT - III Harrod-Domar Growth Model - R.M. So low s Model, Approaches to Development – Partial Theories of growth and development - The theory of the Big Push- Critical Minimum Effort and low level Equilibrium Trap.
- UNIT – IV The Theory of Balanced and Unbalanced Growth- Lewis Model of unlimited supply of labour -Simon Kuznets Economic Structure and Change. Choice of Techniques - Capital, labour and appropriate technology – Romar’s endogenous growth model.
- UNIT - V Allocation of Resources - Investment Criteria – Role of labour orientation methods in the development of third world countries – Role of capital formation in developing countries-spread effects and backwash effects. Role of Technology in Economic Development

REFERENCES:

1. Benjamin Higgins : Leading Issues in Economic Development, Oxford University Press, New York.
2. Adleman, I : Theories of Economic Growth and Development, Stanford University Press, Stanford.
3. Chakravarthi,S : Development Planning, The Indian Experience, Clarendon Press, Oxford.
4. Brahmananda, P.R & Vakil, C.V. : Planning for an Expanding Economy, Vora & Co, Bombay.
5. A.K.Sen : Choice of Techniques, Basil Blackwell, London.
6. Ghosh & Ghosh : Planning Models & Techniques & Indian Planning.
7. -- : Human Development Report.
- 8 Gerald Meir : Leading Issues in Economic Development.
10. M.P. Todaro : Economic Development in the third world.
11. Misra & Puri : Economic Development, Himalaya Publishing, House.

/ASR/

PAPER: III - ECONOMICS OF ENVIRONMENT

- UNIT - I Definition, Concept of Ecology and Environment - Micro Economic Theory of Environment - The Pricing of the Environmental variables - Shortcomings of market system- The theory of externality and public good- Pigeon & case material balance approach.
- UNIT - II Problems of resource allocation - Economics of Exhaustible, Non-exhaustible resources - Theory of Natural Resources depletion - Open access Problems of Common property- conservation of resources - Implications of Ecological imbalances- optimal rate of depletion.
- UNIT - III Impact of Environment on GNP - limits to Growth - Sustainable Development - Modern and Neo-Classical Views of Sustainable Development –
- UNIT – IV Peoples Movement for Sustainable Development - Development Vs Sustainable Development- Millennium Development Goals and Sustainable Development Goals.
- UNIT - V Environment and Economy Interaction- Industrial and Agricultural Technology - its impact on environment – Different types of pollution- causes of Environmental degradation- Valuation of Environment degradation –Direct & Indirect methods – Environmental policy and protection of eco-system- Global environmental Issues.

REFERENCES:

- UNDP Report : Millennium Development Goals
UNDP Report : Sustainable Development Goals.
Baumol, W.J : Economics and Environmental Policy and Quality of life - Prentice Hall, 1979.
“ : Theory of Environmental Policy - Cambridge University Press, 1989
Das Gupta, P.S &
G.M. Heal : The Economic Theory of exhaustible resources Cambridge University Press, 1989.
Pearse, D. : Economics of Environment: London, 1977
Freedom, A.M : The Benefits of Environment improvement, John Hopkins University Press, 1979.
W.M. Adams : Green Development - Rutledge.
D. Reid : Sustainable Development, Earth scan Turner, Pearce & Bateman
Bateman : Environmental Economics, Harvester - Wheat sheaf
Y.G. Joshi &
D.K. Verma : Social Environment for Sustainable Development, Rawat Publications.
Vidyanath, V. : Environment, Energy and Health
Dasgupta, P.S &
K.G. Maler : Environmental and Emerging development Issues Cambridge University Press
Chopra, K., Kadekodi G.K.
and M.N. Murthy : The Management of Common Property Resources, SAGE, New Delhi.
Mehta, S.S Mundle and
and S. Misra : The Economics of Water pollution in India: Oxford University Press,
New Delhi, 1995
Rajyalaxmi : Environmental Economics
Karpagam.M : Environmental Economics
U. Shankar : Environmental Economics
/BSL/

Option Group – (A)

PAPER: IV (A) - ECONOMICS OF AGRICULTURE

- UNIT - I Role of Agriculture in Economic Development - Interdependence between Agriculture and Industry- Sustainable Agricultural Development- poverty and environment -Agrarian structure - system of land tenures and organization of production.
- UNIT - II Approaches to land reforms- Land reforms from above and below- Agrarian unrest and peasant struggles - emerging land relations- landless labour and land reforms - Agricultural Wages and Employment in India - Non-Farm Rural Employment - Trends and Determinants.
- UNIT - III Agricultural Production and Productivity - Production function Analysis in Agriculture - Technological Changes - Management approach to farm production - Cost-Benefit Analysis- The Impact of Green Revolution on Productivity, Employment and Income Distribution - Latest trends in Mechanization of Indian Agriculture
- UNIT - IV Agricultural Credit – Need for credit for farmers, sources of credit – Rural cooperative credit societies, commercial banks, regional rural banks, NABARD and its role in rural credit.
- UNIT - V Diversification of Agricultural Economic Activities - Modernization of Agriculture and allied activities - Livestock Resources and their Productivity- Problems of Marketing, Monopsony in Agricultural Markets – Impact of WTO on Indian Agriculture.

READING LIST:

1. G. Blyn : Agricultural trends in India
2. K. Bhardwaj : Production conditions in Indian Agriculture
3. A. Mitra : Terms of Trade & Class relations.
4. A. Rudra : Relative rates of growth; Agriculture & Industry
5. Pramit Chaudhari (Ed) : Readings in Agricultural Development
6. P.C. Joshi : Land Reforms
7. S. Chakravarthi : Alternative Strategies for Agriculture.
8. Kotovsky : Agrarian reforms in India.
9. R.P. Dutt : India To-day.
10. Mellor : Agriculture in Economic Development
11. Edited by Department of Economics,
Kakatiya University : Land Question in India, Serial publications, New Delhi,

/DSR/

PAPER: IV (B) - FINANCIAL INSTITUTIONS AND MARKETS

- UNIT - I** The structure of the financial system - Functions of the financial sector - indicators of financial Market development - Equilibrium in Financial Markets - Financial System and Economic Development.
- UNIT - II** Functions of Central Bank - The aims and objectives of the monetary policy in developing countries - Proliferation of banking and non-banking financial intermediaries - Financial Sector reforms in India.
- UNIT - III** Structure of money market and capital market - Call money market - Treasury bill market- Commercial bill market - commercial paper and certificate of deposits.
- UNIT - IV** Discount Mmarket - Recent Changes in New Issues Market and Stock Exchange - SEBI and Capital Market
- UNIT - V** Introduction - Foreign Exchange Market - Exchange rates - devaluation, and depreciation - International Liquidity - Lending operation of World Bank - IDA and IFC- ADB - Foreign Exchange Market in India.

READING LIST:

- Bhole, L.M. (1999), Financial Institutions and Markets, Tata McGraw Hill Company Ltd., New Delhi.
- Bhole, L.M. (2000), Indian Financial System, Chugh Publications, Allahabad.
- Edminster, R.O. (1986), Financial Institutions, Markets and Management, McGraw Hill, New York.
- Goldsmith, R.W. (1969), Financial Structure and Development, Yale, London.
- Hanson, J.A. and S. Kathuria (Eds.) (1999), India: A Financial Sector for the Twenty-first Century, Oxford University Press, New Delhi.
- Harker, P.T. and S.A. Zenios (2000) (Ed.), Performance of Financial Institutions, Cambridge University Press, Cambridge.
- Johnson, H.J (1996), Financial Institutions and Markets, Tata McGraw Hill, New Delhi.
- Khan, M.Y. (1996) Indian Financial System, Tata Mc Graw Hill, New Delhi.
- Machiraju, M.R. (1999) Indian Financial Systems, Vikas Publishing House, New Delhi.
- Ohlson, J.A. (1987), The Theory of Financial Markets and Institutions, North Holland, Amsterdam.
- Prasad, K.N. (2001) Development of India's Financial System, Sarup & Sons, New Delhi.
- Robinson, R.I and D. Wightman (1981), Financial Markets, McGraw Hill, London.
- Smith, P.F. (1978), Money and Financial Intermediation: The Theory and Structure of Financial System, Prentice Hall, Englewood-Cliff, New Jersey.
- Chandra, P. (1997), Financial Markets, (4th Edition), Tata McGraw Hill, New Delhi.
- Machiraju, H.R. (1997), International Financial Markets in India, Wheeler Publishing, Allahbad.
- Rangarajan, C. (1999), Indian Economics: Essays on Money and Finance, UBS Publication, New Delhi.
- Fisher, G.E. and R.J. Jordan (1992), Security Analysis and Portfolio Management, Eastern Economy Edition, New Delhi.
- Apte; International Financial Management Tata, Mc Graw Hill Publishing Company, Ltd., New Delhi.
- /SV/

PAPER IV (C)-ECONOMICS OF RURAL DEVELOPMENT

- UNIT - I Approaches to Rural Development- Structuralist, Gandhian and Functionalist Approaches - Rural Development-Experiences of China, Tanzania, Bangladesh, Israel and India.
- UNIT - II Rural Social Structure in India - Co-operative farming - Green Revolution and its impact - Changing pattern of agrarian relations - Unionization of agricultural labour, Irrigation in Rural Development.
- UNIT - III Rural Financial structure – Role of Banking Sector in the Rural Development Rural money markets - Role of Co-operatives Commercial Banks and RRBs - Financial Sector Reforms –
- UNIT – IV Rural Industrialization and State role Rural Indebtedness, Rural Marketing – Rural Occupational Structure Rural Artisans, Basic Problems of Rural Labour, female and child labour in rural areas, Inclusive Growth and Rural Development, Globalization and Rural Development.
- UNIT - V Poverty and Unemployment in rural areas - Rural Development under Five Year Plans - Income and Employment Generation Programmes - IRDPDWCRA- NREP TRYSEM, etc., -Voluntary agencies and rural development.

READING LIST:

1. P.C. Joshi : Land Reforms in India
2. CH. Hanmantha Rao : Technological Changes and Distribution of Gains in Indian Agriculture.
3. K. Venkat Reddy : Rural Development in India
4. I. Sathya Sundaram : Rural Development in India
5. NIRD : Rural Development in India: Some Facts
6. Robert Chambers : Rural Development
7. Sarthar Aziz : Rural Development, China, India & Bangladesh.
8. N.L. Murthy & K.V. Narayana : Rural Economy of India
9. A.R. Desai : Rural Sociology.
10. Adbul Aziz : Unionisation of Agricultural Labourers - A Proposal.
/ASR/

PAPER IV (D): POLITICAL ECONOMY

- Unit – I Value, Distribution and Development – Mercantilism, Physiocracy, Adam Smith, David Ricardo, Malthus theory of Gluts, J.S. Mill
- Unit – II Pre-Marxian Critique of Capitalism – Saint Simon, Robert Owen, Proudhon; Karl Marx – Labour theory of Value and Surplus Value; Dialectical Historical Materialism; Theory of Monopoly Capitalism – Bourgeoisie, Traditional Marxist and Neo-Marxist Approaches.
- Unit – III Feudalism as Mode of Production, Transition Debate, Emergence of Capitalism – Industrial Revolution, Transformation of Competitive Capitalism into Monopoly Capitalism – 1850 – 1900
- Unit – IV Theories of Imperialism – Hobson, Bauer Hilferding Rosa Luxemburg, Sternberg, Grossmann and Lawn.
- Unit- V Dependency Paradigm – Wallerstein and Laclau’s Critique, Phenomenon and theory of Development of Underdevelopment, Emergence & Spread of Globalization, Role of MNCs, Patriarchy and Gender Inequalities.

1. Gide & Rist : A History of Economic Doctrine
 2. Eric Roll : A History of Economic Thought
 3. Schumpeter, J.A : History of Economic Analysis
 4. Schumpeter, J.A. : Capitalism, Socialism & Democracy
 5. Maurice Dobb : Theories of Value and Distribution
 6. Krishna Bharadwaj : Theories in Value & distribution classical theory reappraised.
 7. Spiegel (ed) : Development of Economic Thought
 8. K.V.R. Ayyanger : Aspects of Ancient Economic Thought
 9. Maurice Dobb : Studies in the Development of Capitalism
 10. Mark Blaug : Economic Theory in Retrospect
 11. Screpanti & Zamagi : A Theory of Economic Idea, OUP
 12. Chalasani Vasudeva Rao : Parinamavadan Vishalandra Publication.
 13. Lenin and Imperialism in appraisal of Theories and contemporary Reality by Prabhat Patnaik.
 14. Whatever happened to Imperialism- Other essays by Prabhat Palnaik.
 15. A dictionary of scientific communism: Progress publishes
 16. Economic Philosophy:- Joan Robinson.The Political Economy of Capitalism .
 17. Political Economy:- L.Abalkin, S.Dzarasor. A.Kulikor A short course (Progress Publishers)
 18. Parinamavadam Vishalandra Publications- Chalasani Vasudeva Rao.
 19. A.K. Bagchi : Political Economy of Underdevelopment
 20. Dr. B.R. Ambedkar : B.R.Ambedkar's Writings&Lecturers
Vol.No. 3,4,5
 21. Jyothi Rao Phule : Gulangiri
 22. Jaffery Kay : Development and under development
 23. V.I. Lenin : Imperialism: The Highest stage of Capitalism
 24. Mathur & Mathur : Economic Thought of Mahatma Gandhi
- /KMD/

Option Group – (B)

PAPER: V (A) – INDUSTRIAL ECONOMICS

- UNIT - I Theories of Industrial location - Weber Sargent Florence - Factors influencing location – Measurement of Productivity-efficiency and capacity utilization in Indian Industries.
- UNIT - II Classification of Industries - Industrial Policies in India - Role of Public & Private Sectors - Recent trends in Indian Industrial growth - MNCs - Liberalization & Privatization - concentration of Economic Power.
- UNIT – III Industrial productivity in India – Importance of productivity analysis – Difference between productivity and production – Tools improving Industrial Productivity – Factors influencing productivity – Productivity trends in India - Environmental Preservation - Pollution control policies.
- UNIT - IV Types of Institutional Finance - IDBI, IFCI, SFCs, SIDC, Commercial Banks etc – Capital Market in India- Foreign Capital and Collaborations.
- UNIT - V Problems in Large Scale industries –Cotton textiles-Iron and Steel –Jute – Sugar-Rationalization – Importance and development of Small Scale and Cottage industries in India – Industrial Sickness- Regional imbalances in Industrial Growth.

REFERENCES:

- Kuchhal, S.C (1980) : Industrial Economy of India (5th Edition) RBI, Report on Currency and Finance (Annual)
- Smith, D.M (1971) : Industrial Location, John Wiley, New York
- Panchamukhi, VR (Eds) (1987) The Development process of the Indian Economy
- Rama Murthy, R and Vernaw, R (Ed) (1991) : Privatization & Control of State - owned Enterprises.
- Gupta, L.C (1969) : The Changing structure of Industrial Finance in India, Oxford, New Delhi.
- Sen, A (1972) : Guideline for project Evaluation, Indo Publications.
- Sandesara, J.C. (1982) : Industrial Growth in India, Performance & Prospects, Bombay.
- Vasant Desai : Industrial Economy of India, Himalaya Publishing House.
- Sivaiah & Das : Industrial Economy of India.

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PAPER: V (B) - ECONOMETRIC METHODS

- UNIT – I** Meaning Nature and Scope of Econometrics- use of Mathematics and statistics in Econometric Analysis- the Classical Linear Regression Model and its Assumptions- significance of the Error Term in Econometric Analysis.
- UNIT - II** Estimation through OLS Method and the properties of OLS Estimators- Gauss Markov theorem Multiple Regression Model Estimation & Interpretation- The Meaning of partial co-efficient- The Multiple Co-efficient of Determination R^2 and the Multiple Co-efficient of correlation R - Concepts of R^2 and Adjusted R^2 .
- UNIT - III** Relaxing the Assumption of the Classical Linear Regression Model - the problem of Auto Correlation- Causes and Consequences of Auto-Correlation - Tests – The Durbin Watson Test and The Von-Neumann Ratio - Remedial Measures for the problem of Auto-Correlation.
- UNIT - IV** Relaxing the Assumption of the Classical Linear Regression Model- the problem of Multi- Collinearity - Causes, Consequences of the problem – Tests – Frisch’s Confluence Analysis and The Farrar- Glauber Test- Remedial Measures for the problem of Multi-Collinearity.
- UNIT - V** Nature, Tests, Causes, Consequences and Remedial Measures for the problems of Heteroscedasticity and Errors in variables- Regression Models with Dummy Variables- uses of Dummy Variable Analysis.

Recommended Books:

- Gujarati, D. (1991) : Essentials of Econometrics, Second Edition, Mc Graw Hill, New Delhi.
Gujarati. D. (2003) : Basic Econometrics, Fourth Edition, Mc Graw Hill, New Delhi.
Koutsiyannis, A (1977) : Theory of Econometrics (2nd Edition), Mac Millan, London.
Maddala, G.S. (2002) : Introduction to Econometrics, Mac Millan, London.
Johnston.J.(1991) : Econometric Methods, Mc Graw Hill Book Co. London.
L.R. Klein : An Introduction to Econometrics.
K.L. Krishna (Ed.1999): Econometric Applications in India, Oxford university Press, New Delhi.
Kmentu J. (1997) : Elements of Econometric, University of Michigan, New York.
ICSSR (1977) : Survey of Research in Economics, Vol.7.
Mahender Reddy : Applied Econometrics (Mimeo).

/KMR/

PAPER: V (C) - ECONOMICS OF TRIBAL STUDIES

- Unit-I The Concept of Tribe – Meaning, Nature and Scope of Tribal Studies - Characteristics of Tribal Economies -Economic resources and Tribal concept of property -division of Labour.
- Unit-II Colonialism & Tribes-Role of Middlemen in market Economy- Historical review on various tribal movements - Santhal movement – Boda movement – Warli Revolt - Tribals of Telangana & Andhra Pradesh -Their role in Mannam movement & Telangana armed struggle.
- Unit- III Colonialism-Socio-Economic cultural change in tribes of India- (Koya, Gonds, Chenchus, Sugalies & Lambadas/ etc.) Tribalism – Peasantisation and Proletarianisation- Tribal Ethnic groups- Search of Identity-
- Unit-IV Integration and disintegration process- Impact of modernization- globalization on Tribals and implications (With reference to land alienation, indebtedness, displacement, Migratory trends, cultural disintegration) for instance from bride price to dowry price etc.- & caste & Class differences among Tribals.
- Unit-V Approaches-planning, and programmes for the Tribal development (Eg. ITDA, ITDB etc.) -Role of Government and Non-Government Organization (Field trip to Tribal areas if any sponsored).

GENERAL READINGS:

- Bailey, P.G. (1958) “Tribe Caste and National study of Change “ Bombay OUP”.
-do- (1961) “Tribe and caste in India” Contributions to Indian Sociology.
Bose. N.K (1971) ” Tribal Life in India” Delhi National Book Trust 1971.
Bose. N.K. (1985) Classes and Class relations among Tribals of Bengal. Delhi Ajantha.
Chauhan. B.R. (1966) Tribalisation “Tribe” 2, (1-2)
Dube S.C (ed) 1977 “ Tribal Heritage of India Delha Vikas.
Furer – Haimendorf (1985) Tribes of India, The struggle for Survival, Delhi, OUP.
Fuuchs, Stephon (1973) Aborigines Tribes of India London, Mac Millan, 1973.
Godavari Parulekar (1975) Adivasi Revolt, National Book Agency Private Ltd
Danda, AJith,K (1965) “Tribes in India” Main in India. Vol.68.
K.S. Singh (1978) “Colomial Transformation of Tribal Society in middle” India, Economic and Political Weekly, 29, July,1978.

/BSL/

PAPER: V (D) - ECONOMICS OF WOMEN'S STUDIES

- Unit-I Nature and Scope of Women's Studies - concepts of Women's Studies - Matriarchy, Patriarchy - Historical understanding of economic basis and functioning of patriarchy.
- UNIT - II Origin and Development of Feminism - French Revolution and Declaration of Women's rights- Types of Feminism - Bourgeoisie, Radical and Socialist approaches.
- UNIT-III Status of Women in Indian Society-Pre and post independent periods. Studies on Women's movements in India - Telangana and Nationalist movements- Forms and Trends in Women's movement in United Andhra Pradesh.
- UNIT - IV Demography of female population- Age structure- mortality rates and sex ratio- causes of declining sex ratio and fertility rates in India- Women's labour force participation. Trends in Women's participation in household - Unorganised and Organised sectors - Phenomenon of Wage Differentials.
- UNIT - V Concepts and Analysis of Women's Work - Paid and Unpaid Work - Domestic labour (Application of the concepts of use value and exchange value)- Gender politics and Domestic labour- factors affecting decision making by women.

READING LIST:

1. Zillah Einstein : Capitalist patriarchy and the case for Socialist Feminism (1979) Monthly Review Press, USA.
2. E. Boserup (1970) : Women's Role in Economic Development, George Allen & Unwin, London.
3. Bina Agarwal : Structures of Patriarchy, Kali For Women, Zed Books Ltd.,
“ : Gender and command over property an economic analysis of south Asia.
4. N. Krishnaji (1987) : Poverty and Sex ratios: Some Data & Speculations, Economic & Political Weekly, Vol. XXII, No. 23, 6th June, 1987.
5. Krisnaraj, M R.M Sudershan & A. Shariff (1999) : Gender, Population and Development, Oxford University Press
6. Seth, M (2000) : Women and Development: The Indian Experience, SAGE Publications, New Delhi
7. Kabeer, N. (1994) : Reversed Realities: Gender hierarchies in Development, thought, Kali for Women, New Delhi.
8. Agnihotri, S B (2000) : Sex Ratio in Indian Population: A Fresh Explanation, SAGE Publications, New Delhi.
9. Shram Shakti : Report of the National Commission on Self-Employed Women and Women in the Informal Sector.

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Department of Economics
Kakatiya University, Warangal (T.S)

M.A. (Economics) Syllabus w.e.f from the Academic Year 2016 - 2017

<u>I - Semester</u>	: Paper-1	Micro Economics – I
(All papers compulsory)	: Paper-2	Macro Economics – I
	: Paper-3	Quantitative Methods – I
	: Paper-4	International Economics – I
	: Paper-5	Indian Economy – I
<u>II - Semester</u>	: Paper-1	Micro Economics – II
(All papers compulsory)	: Paper-2	Macro Economics – II
	: Paper-3	Quantitative Methods – II
	: Paper-4	International Economics – II
	: Paper-5	Indian Economy – II
<u>III-Semester</u>	: Paper-1	Public Economics - I
(Three Papers Compulsory)	: Paper-2	Economics of Growth and Development
	: Paper-3	Economics of Environment
(One Elective from Paper 4 & 5 respectively)	: <u>Paper-4 Optional</u>	
	A).	Economics of Agriculture
	B).	Financial Institutions & Markets
	C).	Economics of Rural Development
	D).	Political Economy
	: <u>Paper-5 Optional</u>	
	A).	Industrial Economics
	B).	Econometric Methods
	C).	Economics of Tribal Studies
	D).	Economics of Women’s Studies
<u>IV-Semester</u>	: Paper-1	Public Economics - II
(Three Papers Compulsory)	: Paper-2	Issues in Economic Development & Policies
	: Paper-3	Economics of Social Sector
(One Elective from Paper 4 & 5 respectively)	: <u>Paper-4 Optional</u>	
	A).	Labour Economics
	B).	Human Resource Management
	C).	Managerial Economics
	D).	Computer Applications in Economics
	: <u>Paper-5 Optional</u>	
	A).	Regional Economics
	B).	Applied Econometric Methods
	C).	Demography
	D).	Economics of Infrastructure

**Department of Economics
Kakatiya University, Warangal**

M.A. (Economics) Syllabus w.e.f from the Academic Year 2016 - 2017

M.A. (Economics) (Final)

SEMESTER - IV

PAPER: I - PUBLIC ECONOMICS - II

- UNIT - I Federal Finance and Development Finance - Principles of Federal Finance - Centre-State Financial Relations – Source of income and expenditure of the Central and State Governments- problems in resource mobilization by the state
- UNIT – II Finance Commissions in India - Devolution of Resources and Grants - Functional Finance – Latest Finance Commission – Main recommendations - Deficit Financing objectives, justification – Causes of Deficit Financing
- UNIT - III Pricing Policy in Public Enterprises - Disinvestment and Privatisation of Public Enterprises -Recent trends in the functioning of Private Sector in India – Policy Changes – Socio - Economic Implications
- UNIT - IV Fiscal Policy - Objectives of Fiscal Policy - Interdependence between Monetary and Fiscal Policies - Alternative Measures for Resource Mobilization - their Impact on Growth & Distribution - Balanced Budget Multiplier
- UNIT - V Indian Public Finance - salient features of Indian Tax system - Trends in Indian Tax Revenues - Revenues of the Union, State and Local Bodies - Non-Tax Revenues, Tax Buoyancy and Elasticity –VAT- Pattern of Expenditure & Debt in India - Tax and Expenditure Reforms - Major Recommendations of the committees.

READING LIST:

1. A.R. Prest : Public Finance in the Developing Countries
2. R.J. Chellaiah : Fiscal Policy in under Developed Countries
3. A.E.A : Readings in the Economics of Taxation.
4. Hugh Dalton : Principles of Public Finance
5. Andley & Sundaram : Public Economics and Public Finance
6. B.P. Tyagi : Public Finance
7. Ganguli : Public Finance
8. Govt. of India : Economic Survey Reports
9. A.S. Agarwal : Public Finance
10. R. Jha : Public Finance
11. H.L. Bhatia : Public Finance

/KMD/

PAPER: II - ISSUES IN ECONOMIC DEVELOPMENT & POLICIES

- UNIT - I Economic Problems and Policies - Concepts of Poverty and Income Inequalities the problem of Unemployment, Estimates of Unemployment - the theories of employment determination in developing countries.
- UNIT - II Development Planning in India - Objectives and strategies of planning in India; Resource mobilization- allocation and Investment Pattern in Indian Plans. Economic Reforms and liberalization- plan models in India – Mahalanobis - Two Sector and Four Sector models-
- UNIT – III Financing Economic Development - Inflation as a development promotion strategy, structuralism - Monetarist debate- Taxation- Role of Borrowing - public expenditure-Deficit financing in developing countries-
- UNIT - IV Factors inhibiting industrialization- state policy and industrialization, Foreign investment and aid; components of foreign aid to developing countries – the burden of aid. Role of International Financial Institutions in development of Developing countries.
- UNIT - V Pattern of development in developed and developing Economies – Basic features of the process of development in UK, USA, Japan and China- Pattern of Development in Market economy -model of south Korea -Populist model of Tanzania and planned economy model of Cuba.

READING LIST:

1. M.P. Todaro : Development Planning Models Methods, OUP, Oxford, 1971.
2. Benjamin Higgins : Economic Development Oxford University Press, New York.
3. Adleman, I : Theories of Economic Growth and Development, Stanford University Press, Stanford.
4. Chakravarthi,S : Development Planning, The Indian Experience, Clarendon Press, Oxford.
5. Brahmananda, P.R : Planning for an Expanding Economy, Vora & Co, Bombay. & Vakil, C.V.
6. A.K.Sen : Choice of Techniques, Basil Blackwell, London.
7. Ghosh & Ghosh : Planning Models & Techniques & Indian Planning.
8. Human Development Report.
9. G.Meir : Leading issues in Economic Development
10. Todaro : Economic Development in the Third World
11. Misra & Puri : Economic Development, Himalaya Publishing House, 2001.

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PAPER: III – ECONOMICS OF SOCIAL SECTOR

- UNIT - I Health Economics - Health Dimensions of Development - Determinants of Health - Poverty, Malnutrition and Environmental Issues - Economic Dimensions of Healthcare - Demand and Supply - Financing of Healthcare and Constraints.
- UNIT – II Inequalities in Health - Class and Gender Perspectives - Institutional Issues in Healthcare Delivery – Maternal Mortality , Child Mortality and Nutritional Issues - Longevity – Ageing of Population
- UNIT - III Education - Education and Economic Growth - Human Capital Vs. Physical Capital - Demand for Education - Private Demand and Social Demand - Determinants of Demand - Cost of Education - Private & Social Costs - Education Financing, Resource Mobilization - Gender Inequalities - Returns on Educational Investment.
- UNIT - IV Energy - Primacy of Energy in the Process of Economic Development - Factors Determining Demand for Energy- Effects of Energy Shortage - Energy Conservation - Renewable and Non-Conventional Sources of Energy - Energy Modeling - The Search for an Optimal Energy Policy in the Indian Context
- UNIT - V Social Sector and Economic Development - Information as a Public Good - Social and Physical Infrastructure - Dual Principle Controversy - Economies of Scale of Joint Supply- Marginal cost Pricing Vs. Other Methods of Pricing in Public Utilities - Cross Subsidization - Free Prices, Equity and Efficiency

READING LIST:

- Berman, P : Health sector reform in Developing countries, Making Health Development Sustainable, Boston; Boston: Harvard Series on Population and International Health.
- Bhig, M : Introduction to Economics of Education, Penguin, London, 1972.
- Hlarman, H.E : The Economics of Health, Columbia University Press, New York, 1965.
- Crew, M.A and
P.R. Kleindoyers : Public Utility Economics, Macmillan, London, 1979.
- Indian Council of Social Science Research (ICSSR) : Economics of Infrastructure, Vol. VI, New Delhi.
- Kneafsey, J.T : Transportation Economic Analysis, Lexington, Torouts, 1975.
- Mishra & Puri : Indian Economy, 2005.
- /BSL/

OPTIONAL GROUP (A):

PAPER: IV (A) - LABOUR ECONOMICS

- UNIT – I Origin, Growth and characteristics of labour force– Occupational distribution of workforce - Labour in the organized and unorganized sectors - concept of labour market - characteristics and segmentation of labour markets.
- UNIT - II Conceptual form work of unemployment, Employment Strategies under Five Year Plans, Evaluation of employment in public and private sectors in India - Globalization and its impact on labour Labour Market in India.
- UNIT - III Concept of fair, living and minimum wage - Theories of wage determination - characterization of informal sector wages and - sharing of gains in labour productivity - implementation of minimum wage legislation in India - Gender wage differentials.
- UNIT - IV Relationship between growth and employment, Casualisation of labour in India, Labour Issues - Poverty and Unemployment - Impact of employment generation programmes on eradication of Poverty and Unemployment.
- UNIT - V Unionization of Labour - Growth and Structure of labour unions - Causes of industrial disputes & their settlement - collective bargaining – problems of trade unionism in India - Special problems of child and female labour -

READING LIST:

1. T.S. Papola, P.P. Ghosh and A.N. Sharma (eds), Labour Employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
2. A.K.Sen, Employment, Technology and Development, Oxford University Press, New Delhi (1975).
3. L.K. Deshpande, P.R. Brahmananda and E.A.G Robinson (eds), Employment Policy in a Developing Economy, vol. I & II, Macmillan, London, (1983).
4. T.S. Papola and A.N. Sharma (eds) Gender and Employment in India, Vikas Publishing House, New Delhi (1999).
5. V.B. Singh, Industrial Labour in India, Population Prakashan, Bombay, (1970).
6. C.S. Venkat Ratnam : Globalization and Labour management Relations, Dynamics of Change profile. SAGE Publications, New Delhi. 2001
7. N.Dal : Unemployment, Full employment and India, Asia Publishing house, Bombay, 1960.
8. C.B. Mamoria: Labour Problems and Social Welfare in India, Kitab Mahal 1966.
9. Dynamics of Industrial relation in India.

/ASR/

PAPER: IV (B) HUMAN RESOURCE MANAGEMENT

- Unit-I Meaning and Planning-Definition- Nature, importance and Objectives of HRM- Human Resource Functions Role and responsibility of Human Resource Managers- HRM Model-HRM environment in India- Emerging problems and prospects.
- Unit-II Human Resource Planning & Development- Human Resource Planning Concept and process HR Demand and Supply Forecasting methods-Job analysis-Job description Job specification Job evaluation HR action areas-recruitment selection Induction placement transfer-promotion.
- Unit-III Human Resource Development strategies career planning and development Performance appraisal- Motivational aspects of HRD- Orientation & Training: Orienting the employees, the training process, need analysis, Training - techniques, Developing Managers
- Unit-IV Management of Industrial Relations- Industrial relations-Concept-Importance Impact of Industrial relations-Evolution of Industrial Relation System-Employee discipline- Suspension, Dismissal and Retrenchment-Employee Grievance Handling- Industrial Conflicts-Prevention and settlement of industrial disputes Collective bargaining-Concept and importance of Trade Unions in India.
- Unit-V International and Strategic of HRM: International HRM Approaches and problems -Impact of Globalization on HRM functions- Comparative HRD- International experience-Strategic HR Planning -Role of HR Managers -Future strategies of HR.

SUGGESTED RADING:

1. De Cenzo & Robbins: Personnel/Human Resource Management, 3rd (PHI)
2. McKenna & Beach: The Essence of Human Resource Management (PHI)
3. Berdwell/Holden: Human Resource Management A Contemporary Perspective (Macmillan)

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PAPER: IV (C) MANAGERIAL ECONOMICS

- Unit-I Importance, nature and scope of Managerial Economics- Methods of Economic analysis for Managerial decision making – Basic concepts used in Managerial Economics- Objectives of a Firm – Profit Maximization VS sales revenue maximization.
- Unit-II Theory of consumer behavior-Pragmatic approach to Demand analysis– Demand & its determinants – Mathematical treatment of Demand function – Elasticity of Demand – different types of elasticity of Demand- Measurement of Elasticity – Demand Fore casting.
- Unit-III Risk and Uncertainty: Role of exceptions – consumer’s choice involving Risk (Risk taker, Risk averse and Risk neutral), Neumann – Morgenstern index-savage hypothesis – gambling and insurance.
- Unit-IV Production and Costs – Production Function – Cost concepts- Iso cost and Iso quant curves – Laws of production –Law of variable proportions and returns to scale-Measurement of Production function- Numerical problems on production function- Law of supply- Economies of scale – Linear Programming.
- Unit-V Market analysis – Distinguishing features of different markets – perfect Competition, Monopoly, Monopolistic completion and oligopoly – Price rigidity and price leadership – Breakeven analysis- Pricing and non pricing strategies.

READING LIST:

1. Koutsoyiannis: Modern Microeconomics.
2. V.L.Mote, Samuel Paul and G.S. Gupta, Managerial Economics.
3. B.H.Dholakia and A.N.Ojha: Micro Economics for Management studies.
4. P.L. Mehta: Managerial Economics.
5. Varshney and Maheshwari : Managerial Economics.
6. Henderson & Quandt: Micro Economics.
7. H.L. Ahuja Advanced Economic Theory.

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PAPER: IV (D) COMPUTER APPLICATIONS IN ECONOMICS

- Unit – I Computer Fundamentals - Components of – Computer –block diagram- P C operating systems and the user interface
- Unit – II Introduction to MS Office -Word -Document editing – saving – printing text enhancements -Features – Copy / Paste search and replace – table drawing.
- Unit – III MS. OFFICE - MS EXCEL: spread sheet – work around – computations formulas – functions – range sorting –Data Base features – Graphs.
- Unit – IV Statistical Package for Social Sciences – PC main menu items – Data File maintenance frequency Counts -Cross tabulations – Averages –Correlation-Regression- growth rates -Tests of Significance.
- Unit – V ELEMENTARY E-COMMERCE COMMUNICATION
- Electronic computer network – the anatomy of commerce -web Applications – e-commerce applications -e-commerce organization -Benefits of e commerce- web commerce – elements of successful electronic network place.

REFERENCE:

1. Working with M S Office by Ram Mansfield, TMH
2. Working with M S Office SPSS user manual
3. Ravi Kalkota & Andrew B. Whiston : Frontiers of Electronic Commerce, Addison Wesley, Mardesty, 1996.
4. Daniel Miroli : Web Commerce Technology, Handbook
5. Emma miroli : McGraw hill, New Delhi, 1999

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OPTIONAL GROUP (B):

PAPER: V (A) REGIONAL ECONOMICS

- UNIT-I Concept of Regional Planning -Different types of regions - complementary region - Causes for Regional Imbalances- Measures to reduce regional Imbalances- Regional Development and regional planning- Sectoral and Functional approaches -Macro and Micro level planning of regional economics.
- UNIT-II Theories for Regional Balance - Economic and Social Hierarchical functions- central place theory - Growth Pole Theory, Location theory, and Export based Theory.
- UNIT-III Regional imbalance in India- Regional planning;-Rural, urban inequality- Growth poles and development process.
- UNIT – IV Inter-Regional differentials on India's Development- Agriculture, Industry, Physical Infrastructure and social sector.
- UNIT - V Regional Policy in India - Pre and Post-Independence Period - Causes for regional imbalance in A.P- Regional policies adopted in Andhra Pradesh Liberalization and Regional policies.

REFERENCES:

1. Chand, M. and U.K. Puri : Regional Planning in India, Allied Publishers, New Delhi.
2. Hoover, E.M, : An Introduction to Regional Economics, Alfred A Knopf, New York.
3. Richardson, H.W : Regional Economics, Weidenfield and Nicolson, London.
4. Bhalla, G.S and Y.K. Alagh : Performance of Indian Agriculture A District wise study, Sterling, New Delhi.
5. Dholakia, R.H : Regional Disparity in Economic Growth in India, Himalaya Publishing House, Bombay.
6. Hanumantha Rao, CH : Regional Disparities and Development in India, Ashish Publishing House, New Delhi.
7. Glasson, J : An Introduction to Regional Planning, Concepts, Theory and Practice, Hutchison, London.

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PAPER: V (B) APPLIED ECONOMETRIC METHODS

- Unit-I** Role of Lag in Economics- Reasons for Lags- Auto-Regressive and Distributed Lag Models- Koyck Model- Adaptive Expectations Model- Partial Adjustment Model.
- Unit-II** Simultaneous Equations system- Consequences of Simultaneous Relations – Simultaneous Equations Bias - Solutions to the Simultaneous Equation Bias – Structural Model - Distinction between Structural and Stricture Equations - Reduced and Recursive Models.
- Unit-III** Identification- Meaning and Nature of the Problem of Identification -Derivation of Rank and Order conditions for identifying a structural equation – Implications of the Identification –Common features of Identification and Multi- Collinearity.
- Unit-IV** Methods of simultaneous (Simple Koyck Klien type) Equation systems-Indirect Least Squares Two stage Least Squares Relative Merits of the Estimation Techniques Pooling of Time-series and Cross section Data/Samples in Demand Analysis.
- Unit-V** Engel Function Estimation of Engle Elasticities - Consumption Function- Estimation of MPC- Production Function Cobb-Douglas and CES Production Functions and the Studies conducted in India- Forecasting Models-Forecasting with a Single Equation Linear Regression Model- Forecasting with a Multi Equation Econometric Model.

Recommended Books:

- Gujarati.D. (1999): Essentials of Econometrics, Second Edition, Mc Graw Hill, New Delhi
Gujrati.D. (2003): Basic Econometrics, Fourth Edition, Mc Graw Hill, New Delhi.
ICSSR (1977): Survey of Research in Economics. Vol.7.
Johnston. J. (1991): Econometric Methods, Mc Graw Hill Book Co. London
Kmentu.J. (1997): Elements of Econometrics, University of Michigan, New York.
Koutsoyiannis.A (1977): Theory of Econometrics, Second Edition, Mac millan, London.
Krishna. K.L. (Ed.1999): Econometric Applications in India, Oxford University Press, New Delhi.
L.R. Klein: An Introduction to Econometrics.
Maddala. G.S. (2002): Introduction to Econometrics, Macmillan, London.
Mahender Reddy.J: Applied Econometrics (Mimeo).
Wannacott & Wannacott: Econometrics.

/KMR/

PAPER: V (C) DEMOGRAPHY

- Unit – I Meaning and scope of demography - components of population-growth and their interdependence-Theories of population– Malthus and Optimum theory of population - Theory of demographic transition – Population and Development.
- Unit – II Population trends in the twentieth century - population Explosion – International aspects of population growth and spatial distribution-Determinants of age and sex -structure- Aging of population – social economic implications.
- Unit – III Fertility – Trends in fertility rates in developed and less developed countries-Factors affecting fertility – Nuptiality – concept and analysis of marital status-single mean age at marriage – synthetic cohort methods
- Unit – IV Mortality rates in more and less developed countries- Life table – construction and uses- concepts of stable population- Methods of population projection.
- Unit – V Migration – Streams of migration - Factors affecting migration – Urbanization – trends in developed and developing countries – study of census in India- Trends in the rate of growth of Indian Population – Evolution of population policy – Population control to Family Welfare- Family Planning strategies in India- New Population policy in India.

READING LIST:

1. S.N.Agarwal : India's population problem – Tata Mc Graw –Hill Co. Bombay.
2. Ahisha Bose: India's Basic Demographic statistics-B.R Publishing corporation, New-Delhi.
3. P.K. Chowbey: Population policy in India – Kanishka Publications, New Delhi.
4. S.C Gulati: Fertility in India an Econometric study of a metropolis-Sage, New Delhi.
5. K.Srinivsan: Basic Demographic techniques and applications.-Sage, New Delhi
6. D.J. Bogue: Principles of Demography-John Wiley, New York.
7. C.M. Chiang: Life tables and Mortality Analysis.-WHO, Geneva.
8. CEHI, Dharmakumar (ed) Vol.2
9. Praveen Visaria, Population studies.
10. Dharma Kumar, Land and caste in south India.

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PAPER: V (D) ECONOMICS OF INFRASTRUCTURE

- Unit – I: Introduction: Role of Infrastructure in Economic Development - Infrastructure as a public good; Social and physical infrastructure - The peak-load, Off-Load Problem – Present status and progress of infrastructure of in Indian Economy – Issues and Policies in financing of infrastructure.
- Unit - II Public utilities: Objectives and characteristics of public utilities – case of nationalization – economics of scale of joint supply – marginal cost pricing vs other methods of pricing in public utilities, Cross-subsidization, free prices – equity and efficiency
- Unit – III Transport Economics - The structure of Transport Costs and Location of Economic Activities. Demand for Transport. Models of Freight and Passenger Demand. Model Choice; Cost Functions in the Transport Sector. Principle of Pricing. Special Problems of Individuals Modes of Transport; Inter-modal condition in the Indian Situation
- Unit – IV Communications - Rate-making in Telephone Utilities. Principles of Decreasing Costs in Telephone Industry - Characteristics of Postal Services. Criteria for Fixation of Postal Rates. Measurement of Standards of Service in Telephone and Postal Utilities
- Unit – V Electricity, Gas and Water Supply - Bulk Supply and Pricing of Electricity. The Relative Economics of Thermal, Hydel and Nuclear Power Plants. The Case for a National Power Grid. Financing Water Utilities. Urban and Rural Water Supply - The Exploitation of Natural Gas - Pricing Problem

References:

1. Crew, MA & PR Kleindorfer (1979); Public Utility Economics, Macmillian, London
 2. Nelson, JR (1964); Marginal Cost-Pricing in Practice, Prentice-Hall, Englewood-Cliff
 3. Philips, A & OE. Williamson (eds), (1967) Prices: Issues in Theory, Practice and Public Policy, University of Pennsylvania Press, Philadelphia.
 4. Kneafsey, J.T (1975): Transportation Economic Analysis, Lexington, Torouts
 5. Norton, HS (1971): Modern Transport Economics, CE Merrill, London
 6. Garfield, PJ & W. Lovjoy (1964), Public Utility Economics, Prentice-Hall, Englewood Cliffs
 7. Jha R. MN Murty & S. Paul (1990): On Fixing Prices for Postal Services in India, National Institute of Public Finance and Policy, New Delhi
 8. Eckstein, O (1958), Water Resource Development, Harvard University Press, Cambridge
 9. Turvey, R & D. Anderson (1977); Electricity Economics, John Hopkins University Press, Baltimore
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M.A. (Economics) Syllabus w.e.f from the Academic Year 2016 – 2017

Titles of the Papers:

I - Semester)

(All papers compulsory)

- : Paper-1 Micro Economics – I
- : Paper-2 Macro Economics – I
- : Paper-3 Quantitative Methods – I
- : Paper-4 International Economics – I
- : Paper-5 Indian Economy – I

II - Semester)

(All papers compulsory)

- : Paper-1 Micro Economics – II
- : Paper-2 Macro Economics – II
- : Paper-3 Quantitative Methods – II
- : Paper-4 International Economics – II
- : Paper-5 Indian Economy – II

III-Semester)

(Three Papers Compulsory)

- : Paper-1 Public Economics - I
- : Paper-2 Economics of Growth and Development
- : Paper-3 Economics of Environment

(One Elective from
Paper 4 & 5 respectively)

: **Paper-4 Optional**

- A). Economics of Agriculture
- B). Financial Institutions & Markets
- C). Economics of Rural Development
- D). Political Economy

: **Paper-5 Optional**

- A). Industrial Economics
- B). Econometric Methods
- C). Economics of Tribal Studies
- D). Economics of Women's Studies

IV-Semester)

(Three Papers Compulsory)

- : Paper-1 Public Economics - II
- : Paper-2 Issues in Economic Development & Policies
- : Paper-3 Economics of Social Sector

(One Elective from
Paper 4 & 5 respectively)

: **Paper-4 Optional**

- A). Labour Economics
- B). Human Resource Management
- C). Managerial Economics
- D). Computer Applications in Economics

: **Paper-5 Optional**

- A). Regional Economics
- B). Applied Econometric Methods
- C). Demography
- D). Economics of Infrastructure