BHAKTA KAVI NARSINH MEHTA UNIVERSITY JUNAGADH

Faculty of Arts

Board of Studies - Economics

Draft Syllabus

Master of Arts

(Semester-III & IV)

(Effective from June, 2019)

Bhakta Kavi Narsinh Mehta University - Junagadh.

Syllabus

Faculty of Arts M.A. Sem-3

Subject- ECONOMICS

Course – Core

Paper No. - 301

Paper Name - International Trade-1

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	CORE	05	30	70	---	100

Course Objectives:-

1. International trade acts as an engine of growth.

2. It is necessary for P.G. students in economics to know International trade Theories, practices and policies, It will help them to examine impact of trade policies followed by welfare implications.

Course Contents:

Unit-1 : Concept of Inter-regional and International Trade; Theory of Comparative Advantage, Hecksher-Ohlin Theory of trade, Factor Endowment and Factor Price, Leontief Paradox. Empirical verification and relevance of Theories; International Trade under Imperfect Competition.

Unit-2 : Terms of Trade and Economic Growth; Secular deteri/ation of terms of trade hypothesis : a critical review; International trade as an engine of growth; Gains from Trade and LDCs ; Foreign Trade Multiplier: Trade and Labour Skills Theory by Donald Kessing; Research and Development factor and Structure of Commodity Trade (By Gruber, Mehta and Vernon)

Unit-3: Measurement of Gains from Trade; Concepts of Terms of trade, their uses and limitation; Factors affecting Terms of Trade. Impact of Tariffs; Political economy of Non-tariff Barriers; Trade and Development; Trade as engine of growth: Two Gap analysis- views of Prebisch, Singer and Myrdal.

Unit-4: Meaning and concepts of Balance of Trade and Balance of Payment - Equilibrium and Disequilibriain Balance of Payment - The process of adjustment under systems of Gold Standard - Steps to Correct imbalance of payments, traditional and monetary approaches for adjustment in the Balance of Payment- Theory of international reserves- Theory of Foreign Exchange Rate

Reference Books:

1. Salvat/e D. "Theory and Problems of International Economics", McGraw-Hill, New York, 1983.

2. Soderasten B.O. "International Economics", The Macmillan Press Ltd. London, 1991.

3. Dunn R.M. and J.H. Mutti. "International Economics", Routledge, London, 2000.

4. Joshi Rakesh, "Anter Rashtriya Arthashstra" in Gujarati Uni. Rajkot., Gujarat, India, 2004.

5. Ellswoth P.T. & J.C. Leith, "The interanational Economy", Mac-Millan, New York, 1975.

6. Walter I & K Areskoug. "International Economics" Mac-Millan, New York, 1975.

7. Ohlin B. "Inter-regional and International Trade", Harvard Uni. Press, Cambrige, 1933.

8. Pearce I.F. "International Trade", Macmillan, London, 1970.

9. Bhagwati. Jagdish "International Trade : Selected Readings", MIT Press, Cabridge, 1981

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Faculty of Arts M.A. Sem-3

Subject- ECONOMICS

Course – Core

Paper No.- 302

Paper Name - Contemporary Issues in Indian Economy-1

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	CORE	05	30	70	---	100

Course Objectives:-

1. The Objectives of this paper at the post-graduate level would be to sharpen the analytical ability of the student by highlighting, and integrated approach to the functioning aspects of the Indian economy.

2. Keeping in view the scope for alternative approaches, such an analysis is essential because the

Indian economy is a unique amalgam of alternative competing and often conflicting Theories and proper understanding of its Working is imperative if the student is to comprehend the ramification that underline most of the observed phenomena in the Indian economic set-up.

3. The emphasis of the paper is an overall social, political and economic environment influencing policy decisions.

4. To develop all the themes, the course is divided into specific modules.

5. Paper of planning and development and paper of policies for sector al development fulfill above Objectives.

Course Contents:

Unit – 1 :Economic Development:-Concept and approaches to economic development and its measurements (determinants) – sustainable development. Role of state and market in economic development. Other institutions. Indicators of development PGLI, HDI, gender development indicator sand other indicators.

Unit – 2 : Planning in India:-Importance and Objectives of planning, planning strategy, its failure and achievements, current five year plan, developing grass-root organization for development. NGOs, Panchayati Raj and pressure groups.

Unit – 3 : Resource Base Infrastructure:-Social and Economic infrastructure – education and health, environment, regional imbalance, issues and policies in financing infrastructure development. Growth & infrastructure in India.

Module – 4 : Public Finance:-Fiscal federalism, Role of State and centre its financial relations, Finances of central government, finances of state governments, parallel economy, problems relating to fiscal policy, fiscal sector reforms in India.

Text and Reference Books:

1. Ahulwaia, J.J. and I.M.D. Little (Eds.) (1999) India's Economic Reforms and Development (Essays in hon/ of Manmohan Singh) Oxford University Press, New Delhi.
2. Bardhan R.K. (9th Edition) The Political Economy of Development in India, Oxford University Press, New Delhi.
3. Buwa, R.S. and P.S. Raikhy (Ed.) (1997) Structural Changes in Indian Economy, Guru Nanak Dev University press, Amritsar.
4. Brahamanda P.R. and V.R. Panchmukhi (Ed) (2001) Development experience in the Indian Economy Inter-state Perspectives Bozuwell Delhi.
5. Chakravarty S. (1987) Development Planning. The Indian Experience, Oxford University Press, New Delhi.
6. Datwala M.I. (1996) Dilemmas of Growth. The Indian Experience, Sage Publications. New Delhi.
7. Dutt R. Ed. (2001) Second Generation Economic Reforms in Indian, Deep and Deep.
8. Government of India, Economic survey, (annual) Ministry of Finance, New Delhi.
9. Jain A.K. (1986) Economic planning in India. Ashish Publishing, House, New Delhi.
10. Jalan B. (1992) India's Economy - Problems and Prospects, Viking, New Delhi.

11. Jalan B. (1996) India's Economic Policy - Preparing for Twenty First Century, Visking, New Delhi.
12. Joshi, V. and IMD Little (1999) India, Macro Economic and Political Economy 1964-1991, Oxford University Press, New Delhi.
13. Parikh K.S. (1999) Indian Development Rep/t 1999-2000. Oxford University Press, New Delhi.
14. Reserve Bank of India, Rep/t on Currency and Finance (Annual).
15. Ruddar Dutt K.P.M. Sundharam, Indian Economy, S. Chand and Company, New Delhi.
16. Naik Jyoti D. 'Udyog Ni Sthal Pasandgi' Vasuki Printing, Rajkot.

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Faculaty of Arts: M.A. Sem-3

Subject- ECONOMICS

Course – Core

Paper No.- 303

Paper Name - Environmental Economics Theories - 1

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	CORE	05	30	70	---	100

Course Objectives:-

1. This course in meant to acquaint student with the basic Theories of environment economics so
that they can develop and use appropriate theoretical frame to analyze and understand important environmental issues.

Course Contents:

Unit-1 : Environmental Economics : Meaning, Nature and Scope: Meaning of environment economic; various definitions; relationship between mainstream economics and environment economics: nature of environmental economics: its positive and normative aspects: interdisciplinary nature of environmental economics: relationship of environmental economics with other disciplines.

Unit-2 : Market Failure Decision making: Market efficiency and Parato-optimality; Market failure possibilities with reference to environmental resources; the reasons for market failure: externalities and problem of cost-internalization; public goods and common-property type nature of environmental resources. Unclear property right, informational asymmetries and possibities of missing markets.

Unit-3 : Environment and Development: Relationship between environment and development: Theory of sustainable development and problems of operational sing this Theory; indict/s and rules of sustainability methods of environmental valuation; integration of national and environmental accounting.

Unit-4 : Optimal Use of Environmental Resources: Application of Capital Theory for the optimal use of environmental resources, Theories for the use of non-renewable resource; Theories for the use of renewable resources.

Text and Reference Books:

1. Ayres, R.U. and Leslie Ayres, (1998), Accounting of Resources Vol-1, Edward Elgar,

2. Bhattacharya Ravindra, N. (ed.) (2001), Environment economics, Oxford University Press.

3. Callan, J.S. and Janet M.T. (1996), Environment Economics and Management : Theory, policy and Applications, IRWIN.

4. Field, Barry, C. (1997), Environmental Economics: An Introduction, McGraw-Hill International Edition.

5. Dasgupta, P., (1982), The Control of Resources, Oxford University Press.

6. Kerr, J.M. and Other (1997), Natural Resource Economics, Oxford and IBM publishing Co. Pvt. Ltd, Delhi.

7. Hanley, N. and Other, (1997), Environment Economics in Theory and Practice, Macmillan.

8. Kulastand, C.D. (1999), Environment Economics, Oxford University Press, New Delhi.

9. Parikh, Jyoti and Kirit Parikh, (1997), Accounting and Vitiation of Environment, John Hopkins University, New York.

10. Pears, D.W. and R. Turn/, (1991), Economics of Natural Resource Use and Environment, John Hopkins University, Baitimore.

11. Shankar, U, (Ed.) (2001), Environment Economics, Oxford University Press, New Delhi.

12. Sengupta, R. (2001), Ecology and Economics: An Approach to Sastainable Development, Oxford University Press.

13. Singh, K. (1994), Managing Common Pool Resources: Principles and Practices, Oxford University Press.

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Faculty of Arts : M.A. Sem-3

Subject - ECONOMICS

Course – Elective - 1

Paper No.- 304.1

Paper Name - Agriculture Economics-1

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	Elective 1	05	30	70	---	100

Course Objectives:-

1. The Objectives of the course is to familiarize student with policy issue that are relevant to Indian Agricultural Economics sand enable them to analyze the issues.

2. Using basic micro economic concepts.

Course Contents:

Unit-1 : Agricultural and Economics Development : Nature and scope of agricultural and rural economics- Traditional agriculture and its modernization - Role of agriculture in economic development -Interdependence between agricultural and Industry - Role of agricultural in Economic development.

Unit-2 : Land Use policy and Social Infrastructure: : Land Use Policy - Land distribution - Problems of small and marginal farmers, Rural Social infrastructure - Land, water, energy, education and health.

Unit-3 : Agricultural Production and Productivity: Concept of Production function - Law diminishing return and its importance in decision making – cobweb theorem - Prices and output relationship – Long term trends in production and productivity - Causes of low productivity.

Unit-4 : Agricultural Growth in India: Agricultural policy in India - New strategy of Agricultural Development - Green revolution - Application of new technologies - HYV Chemical fertilizers, irritation PPM and far mechanization - Labour absorption - Sustainable agriculture and future challenges.

Text and Reference Books:

1. Dantwala M.L. et al. (1991) Indian Agricultural Development since independence, Oxford & IBM, New Delhi.

2. Gulati A. & T. Kelly (1999) Trade liberalization and Indian Agriculture, Oxford, University Press New Delhi.

3. Joshi P.C. (1975) Land Reforms in India, Treads & Prospects, Allied Publishers, New Delhi.

4. Kahlo A.S. and Tyagi D.S. (1983), Agriculture Price Policy in India, Allied publishers, New Delhi.

5. Rao C.H. Hanymantha (1975), Agricultural growth, Rural Poverty and Environment Degradation in India, Oxford University Press, New Delhi.

6. Reserve Bank of India, Rep/t on Currency and Finance (Annual), Mumbai.

7. Rudra A. (1982), Indian agricultural economics, Mythas and Reality, Allied Publishers New Delhi.

8. Saini, G.R. (1979), Farm, Size, Resource Use Efficiency and Income distribution, Allied Publishers, New Delhi.

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Faculty of Arts : M.A. Sem-3

Subject- ECONOMICS

Course – Elective - 1

Paper No.- 304.2

Paper Name - Quantitative method in Economics

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	Elective 1	05	30	70	---	100

<u>Course Objectives:-</u>

1. The main objective of this paper is to introduce the student to the concept of various statistical methods and its uses in economics.
2. After studying this paper the student will be able to use some statistical techniques in research.

<u>Course Contents:</u>

Unit – 1 Basic Concepts (10)

- Levels of economic research - The conduct of research. The role of researcher in data collection process. The role of curiosity in problem formation.

Unit - 2 Sampling (15)

- Sampling design and different techniques of sampling, selection and training of field workers, fields" problems in data collection.

Unit – 3 Data Basis (DATA MANAGEMENT) (20)

- Data gathering techniques, Difference sources of data : Primary, secondary, government, private, NGOs and international Agencies, editing, coding, tabulation and translation of data, presentation of data, Data analysis and reporting.

Unit – 4 Specific Fundamental Techniques (15)

- Functions and graphs :

(i) Demand function (ii) Supply function (iii) Linear Function (iv) Quadratic function

(v) Hyperbola

Unit – 5 Simple Linear Model (10)

- A competitive market, The solution of numerical example, The general solution of the linear model : shifts in demand and supply.

<u>Text and Reference Books:</u>

1. Mike Roser, Basic Mathematics for Economists, Atlantic & Publisher"s & Distributors, New Delhi
2. Chiang A. C. Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
3. Yamane Toro, Mathematics for Economists, Prentice Hall of India, New Delhi.
4. Allen RGD, Mathematical Analysis for Economists. Macmillan Press and ELBS, London.
5. Gupta S. C., Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
6. Handry A. T. Operations Research, Prentice Hall of India, New Delhi.

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Faculty of Arts : M.A. Sem-3

Subject- ECONOMICS

Course – Elective - 2

Paper No.- 305.1

Paper Name - Labour Economics Theories -1

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	Elective 2	05	30	70	---	100

Course Objectives:-

1. As a post-graduate student of student Economics, it is necessary to study Labour Economics.
2. It is also important to know the labour Theories, approaches etc. for analyzing laboring problems.
3. The study of labour economic should be systemic, scientific and analytical.

Course Contents:

Unit-1: Introductory Outlook of Labour Economics: Meaning and definition of Labour Economics - scopeand nature of Labour Economics- peculiarities of Labour, Labour problems in India,- Labour policy of government of India.

Unit-2 : Labour Market Analysis: Meaning and definition of Labour Market - characteristics of Labour market, difference between commodity market and labour market- nature of Labour market in developing countries like India- demand of labour and supply of labour – factors affected to demand of labour and supply of labour

Unit-3 : Wage Analysis: Meaning and definition of wages, components of wages - wage Theories of marginal productivity, demand-supply Theory, collective bargaining Theory, concepts of wages -minimum age -fair wage - living wage - wage differentiation - wage determination in various sectors .

Unit-4 : The Migration and Mobility Analysis: Meaning and definition of migration - types of migration, causes and of migration consequences of Migration – meaning of mobility – types of mobility –difference between migration and mobility.

Text and Reference Books:

1. Guasch, J. Luis, (1999) Labour market reform and Job Creation. The World Bank, Washington. DC.

2. Ghose, Ajit K. (2003), Job and Income in Globalzing WorldII O.

3. Joshi, M.V. (1999), Labour Economics, Darpan Prakashsan, Rajkot.

4. (1999) Labour Economics and Labour Problems, Atlatic Publications. New Delhi.

5. Marucs Powel (2003), Economic Restructuringand Human Resource Development, Ashgate Publishing, Aldershot.

6. Remon Gomez, (2005), Labour Supply and Incentives of Work in Europe, EE Publishing, Aldershot.

7. Seth, K.V. and Suresh Chand, (2004), The Economics of Labour Market, Ane Books, New Delhi.

8. Shuji Uchikawa (2003), Labour market and Institutions in India, Manobar Publications, New Delhi.

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Faculty of Arts Arts : M.A. Sem-3

Subject- ECONOMICS

Course – Elective - 2

Paper No.- 305.2

Paper Name - Economics of Infrastructure-1

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	03	Elective 2	05	30	70	---	100

Course Objectives:-

1. It is necessary to know costing and price of infrastructure services for students of economics.
2. The Present course is theoretical showing economic aspects of development and investment in infrastructure.
3. It is showing public and private sector contribution in infrastructure growth.
4. This paper exposes students to issues involved in Infrastructure in developing countries like India.

Course Contents:

Unit-1: Theories of Economics of Infrastructure: Infrastructure in economic development – public good, social good and physical infrastructure - special characteristics of public utilities. The peak load, off load problem. Dual principal controversy - Economics of scale in joint supply - Managing cost pricing and other methods of pricing utilities, cross-subsidization - free prices equity and efficiency.

Unit-2: Transportation Economic: The structure of transport costs and location of economic activities - Demand for Transport cost function in transport sector - Principle of pricing - Special problems of individual Modes of transport.

Unit-3: Communication Economics: Rate Making in Telephone utilities, principle of decreasing cost in economics - Characteristics of postal services - criteria for fixed postal rates - Measurement of standard of services in Telephone and Postal utilities.

Uint-4: Energy Economics: Energy & Economic development - Factors determining demand for energy - Effect of energy Shortage costing and pricing of energy - energy conservative renewable and nonconventional sources of energy optimal energy policy in India - Public private partnership in energy investment and energy development. Infrastructure is a pre-requisite of growth.

Text and Reference Books:

1. Centre for Monit/ing Indian Economy (1996) Indian Energy sector , CMIE, Mumbai.

2. Fariss and Saurson (1975) Public utilities, Hughton Miffin, B/ston.

3. G.O.I (1999) Rep/ts on Committee on Power (Rajyadhyaksha Committee), New Delhi.

4. Govt. of India (1968) Interim Rep/t on P & T Enquiry Committee, Govt. of India, New Delhi.

5. Jha, R. (1975) Murty M.N. and Paul, S. (1990) On fixing prices of postal services in India National Institute of Public Finance & Policy, New Delhi.

6. Khenfacy (1975) Transportation Economics Analysis, Lexington, T/outs.

7. N/thon, H.J. (1971), Modern Transp/t Economics, C.E. Merrill London.

8. Parikh, J. (1997) Energy Models for 2000 & Beyond, Tata McGraw - Hill, New Delhi.

9. Ph. Nelson, J. (1964) Marginal Cost and Pricing in Practicing Prentice Hall Enlewood Cliff.

10. WorldDevelopment Rep/ts, Washington, D.C.

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Faculty of Arts Arts : M.A. Sem-4

Subject- ECONOMICS

Course – Core

Paper No.- 401

Paper Name - International Trade - 2

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	CORE	05	30	70	---	100

<u>Course Objectives:-</u>

1. It is necessary to for P.G. student in economics international trade finance and trade finance and trade managing institutions in era of globalization of national economics.
2. Economic health of a nation is known by positive balance of payment situation of a nation.

Course Contents:

Unit-1 : Trade policy (Past and Recent) and reforms in India's Trade Policy; Problems relating foreign Trade in India; International Capital Flows in India-FDI, FII etc; Changes in the Volume, Direction and Composition of India's foreign Trade & their implication; Exp/t promotion, Free Trade Vs. Protection and their advantages and disadvantages.

Unit-2 : Theories of Regionalism at Global level; Regional blocs – Multilateralism and world trading system-International trade under conditions of imperfect competition in goods market-Theory of Optimum currency area and its impact in the developed and developing countries

Unit-3 : Function of GATT and WTO - IMF – WORLD BANK - Asian Development Bank - Their achievement and failures. W.T.O. and its impact on the different sector s of the Indian Economy

Unit-4 : The rise and fall of Bretton-Wood; emerging International Monetary System recent reforms there in Globalisation and Developments in Exchange Markets, Euro-Currency Markets and International Bond markets- International Debt crisis- Exchange Trading, Arbitrage and Market Hedging.

Text and Reference Books:

1. Stern R.M. "The Balance of Payment : Theory and Economic Policy", Aldine, Chicago, 1973.
2. Thriwal A.P. "Trade, The Balance of Payments and Exchange Rate policy in Developing Countries" University of Kent, Catebury, UK, 2004.
3. Datt Rudar and K.P.M. Sundharam "Indian Economy" Saurashtra Univerysity, Rajkot, 2004.
4. Sighn Manmohan "India's Exp/t Trends" Claredon Press London.
5. Joshi Rakesh : Antar Rashtriya Arthashstra", Saurashtra Uni. Rajkot, 2004
6. Cherunilam F. "International Economics", Tata McGraw Hill Publishing Co., New Delhi.
7. Frenkel J. and H. Johnson "The Monetary Approach to the Balance of Payments", Allen & Unwin, London, 1975.
8. Greenway D. "International trade policy", Macmillan Publishers Ltd. London, 1983.
9. Prebisch R. "Towards a New Trade Policy FOR Development", United Nations, New York, 1964.

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Faculty of Arts M.A. Sem-4

Subject- ECONOMICS

Course – Core

Paper No.- 402

Paper Name - Contempory Issues in Indian Economy - 2

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	CORE	05	30	70	---	100

Course Objectives:-

1. The Objectives of this paper at the post-graduate level would be to sharpen the analytical of the student and functioning of Indian economy with various policies with alternative approaches for further growth.
2. This means that P.G. Students need to be well aware about different policies utilized during planning period in India

Course Contents:

Unit-1 : The Agricultural sector : Institutional structure - land reforms in India, technological change in agriculture - pricing of agriculture inputs and output term of trade between agriculture and industry, Agricultural Finance Policy, Agricultural Marketing and Warehousing, Issues in food securities – Policies for sustainable agricultural.

Unit-2 : The Industrial sector : Industrial policy, public sector enterprises and their performance, problems of sick units, in India, Privatization and disinvestments debate, growth and pattern of industrialization, small scale sector , productivity in industrial sector , Exit policy - issues in labour market reforms Approaches for employment generation.

Unit-3 : External sector : Structure and direction of foreign trade, Balance of payments, Issues in exp/t imp/t policy and FEMA, Exchange rate policy, foreign capital and MNCs in India, The progress of trade reforms in India, Rationale of Internal and External reforms, Globalisation of Indian economy, W.T.O. and its impact on the different sector s in the economy.

Unit-4 : Money Banking and Price: Analysis of Price behavior in India. Financial sector reforms Interest rate policy, Review of monetary policy of RBI, Money and Capital Markets, Working of SEBI in India.

Text and Reference Books:

1. Ahliwalia, J.J. and I.M.D. Little (Eds.) (1999) India's Economic Reforms and Development (Essays in honour of Manmohan Singh) Oxford University Press, New Delhi.
2. Bardhan R.K. (9th Edition) The Political Economy of Development in India, Oxford University Press, New Delhi.
3. Buwa, R.S. and R.S. (Ed) (1997) Structural Changes in Indian Economy, Guru Nanak Dev. University press, Amritsar.
4. Brahamanda P.R. and V.R. Panchmikhi (Ed.) (2001) Development experience in the Indian Economy Inter-state Perspective Bozuwell Delhi.
5. Chakravarty, S. (1987) Development Planning. The Indian Experience, Oxford University Press, New Delhi.
6. Datwala M.L. (1996) Dilemmas of Growth the Indian Experience, Sage Publications, New Delhi.
7. Datt R. Ed. (2001) Second Generation Economic Reforms in India, Deep and Deep.
8. Government of India, Economic Survey, (Annual) Ministry of Finance, New Delhi
9. Jain A.K. (1986) Economic planning in India; Ashish Publishing House, New Delhi.
10. Naik , Jyoti D. 'Udyog Ni Sthal Pasandgi' Vasuki Priting, Rajkot.

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Faculty of Arts M.A. Sem-4

Subject- ECONOMICS

Course – Core

Paper No.- 403

Paper Name - Environment Economics Theories - 2

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	CORE	05	30	70	---	100

Course Objectives:-

1. The main Objectives of this course is to appraise and sensitive student about major environment issues of India and develop skill to analyze them with the help of appropriate theoretical frames.

Course Contents:

Unit-1 : Environment Issues of Primary sector : Changing land-use and cropping pattern and environmental issues; the problem of grazing-land, pasture and live stock. management; The problem of conservation of forests and bio-diversity; supply and quality of ground-water and its management; the conservation and management of marine fish.

Unit-2 : Industrial Development and Environmental Issues: Change in growth and structure of industries in India; growth of pollutant industries, problem of air and water pollution, management of solid and liquid wasters.

Unit-3 : International Environment Issues: The problem of trans boundary pollution : global warming and acid rain: globalization, international trade and environmental issues : The problem of trade of hazardous waste endangered species and medicinal plants, the problem of patenting, trade and environment in WTO system.

Unit-4 : Environmental Policy in India: Growth of environmental policy in India; Important environment laws, international environment agreements and India's approach: mechanism of implementation of environment laws in India.

<u>Text and Reference Books:</u>

1. Baumal, W.J. and Oates, 1998, The Theory of Environmental Policy, Cambridge University Press,Cambridge.
2. Chari, S.N. and Vyasalu, Vinod. 2000. Environment mamngement : An Indian Perspective, McMillan India Ltd.
3. Chhatrapati Singh, 1986, Common Property and Common Poverty, India's FORest, FORest Dwellers and the Law, Oxford University Press.
4. Dasgupta, P. and Maller Karl, 1997, The Environment Emerging Developing Issues, Vol.-I and Vol--II, Clareden Press, Oxford.
5. Gadgil, M. and Guha, R., 1993, The Fissured Land : An Ecological Hist/y of India, Oxford University Press.
6. Katar Singh, 1994, Managing Common Pool Resources, Principles and Case Studies, Oxford University Press.
7. Murthy, M.N. James, A.J. and Smita Misra, 1999, Economics of water pollution, Oxford University Press.
8. Lead India, 2002, Rio, Johniburg and Beyond : India's Progress in Sustainable Development, /ient Longman, New Delhi.
9. Ramprasad Sengupta, 2001, Ecology and Economics, Oxford University Press.
10. Syam Diwam and Arman, R., 2001, Environmental Law and Policy in India, Oxford University Press.

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Faculty of Arts M.A. Sem-4

Subject- ECONOMICS

Course – Elective - 1

Paper No.- 404.1

Paper Name - Agriculture Economics - 2

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	Elective 1	05	30	70	---	100

Course Objectives:-

1. The Objectives of this course is to provide a detailed treatment of issues in agricultural economics to those who intend to specialize in agricultural economics.

2. The course of the paper help to familiarize student with policy issues relevant to Indian agriculture and enable student to analyze issue problems and policies of the important sector of Indian economy.

Course Contents:

Unit-1 : Rural Economics Activities and Labour Market: Rural Industrialization scope and of agro industries, economic condition of agricultural labours –national Rural Employment Guarantee program, main characteristics, implementation mechanism, evaluation, lessons.- Rural and Agricultural programs and its evaluation in Gujarat, economic development and Social welfare programs in Gujarat and its evaluation

Unit-2 : Co-operation and Rural Finance: Integrated rural credit scheme - Role of Co-operative sector in rural finance - Commercial banks - RRBS - NABARD and Rural finance - New challenges in rural finance.

Unit-3 :Agricultural Marketing and Prices: Agricultural Marketing - Defects in agricultural Marketing - Corrective measures - Regulated and Co-operative marketing - Agricultural Price Policy - Objectives -Instrument Evaluation - Food security - Agricultural prices and Public distribution scheme (PDS) Terns of trade between agricultural and non-agricultural sector .

Unit-4 : Agricultural and External sector : Foreign trade in agricultural commodities - Globalization WTO and Indian agriculture - Peasant farming system in developing countries farming system in developed countries – World Food Assistance.

Text and Reference Books:

1. Bhaduri A. (1984) The Economic Structure of Backward Agriculture, Macmillan, Delhi.

2. Blgrami S.A.R. (1996) Agricultural Economics, Himalaya Publishing House, Delhi.

3. S.Dautwala M.L. et al (1991) Indian Agricultural Development since independence. Oxford & IBM,New Delhi.

4. Govt. of India Economic Survey (Annual), New Delhi.

5. Govt. of India, 1976, Rep/t of the National Commission on Agriculture, New Delhi.

6. Gulati A. & T. Kelly (1999) Trade liberalization and Indian Agriculture, New Delhi.

7. Joshi P.C. (1975) Land Reforms in India, Treads & Prospects, Allied Publishers, New Delhi.

8. Kahlo A.S. and Tyagi, D.S. (1983), Agricultural Price policy in India, Allied Publishers, New Delhi.

9. Rao C.H., Hanymantha (1975), Agricultural growth, Rural Poverty and Environmental Degradationin India, Oxford University Press, New Delhi.

10. Reserve Bank of India, Rep/t on Currency and Finance, (Annual), Mumbai.

11. Rudra A. (1982), Indian agricultural Economics, Myths and Reality, Allied Publishers, New Delhi.

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Syllabus

Faculty of Arts M.A. Sem-4

Subject- ECONOMICS

Course – Elective - 1

Paper No.- 404.2

Paper Name - Econometrics - 2

Paper Code-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	Elective 1	05	30	70	---	100

<u>Course Objectives:-</u>

1. Applications of economic Theory need a reasonable understanding of economic relationships and relevant statistical methods.

2. The econometric Theory thus becomes a very powerful tool for understanding of applied economic relationships and for meaningful research in economics.

3. This paper accordingly is devoted to equip the students with basic Theory of econometrics and relevant applications of the methods.

3. The topics covered in the course include various problems faced in estimation of both single equations and simultaneous equations models.

4. The course also covers various econometric methods applicable to different topics in economics and those needed for applied economic research.

5. An introduce module on multivariate methods has also been included in the course which constitutes an important tool for analysis in multivariable data in development-related studies.

Course Contents:

Unit – I: Definition and scope of Econometrics - methodology of econometrics - nature and sources of data for econometric analysis - contribution of econometric methods to the development of Economics - limitations of econometric methods.

Unit - II : Two-variable regression analysis : Stochastic and non-stochastic relations - the concept of 'population regression function' and its stochastic specifications - the 'sample regression function' ‘least-squares' (OLS) method of constructing 'sample regression function' - estimation of regression parameters - assumptions underlying classical linear regression model - properties of least-squares estimate - coefficient of determination as a measure of 'goodness of fit'.

Unit –III: Violation of the assumptions of classical linear regression model : Auto Correlation and heteroscedasticity - meaning, sources, methods of detection, consequences and remedial measures. Dummy (/ binary) variables : Nature of dummy variables - regression on dummy variables (one quantitative variable and one qualitative variable) - Uses of dummy variables - dummy variables and heteroscedasticity - dummy variables and auto Correlation - dummy variable trap.

Unit -IV : Further problems of regression analysis : Multiple regression model and multicollinearity - consequences of multicollinearity - remedial measures - specification bias - lagged variables and distributed lag models (general form only)

Text and Reference Books:

1. Damodar N. Gujarati, Basic Econometrics, Third Edition, Me Graw-Hill [basic text book for compuls/yreading]

2. Koutsoyiannis, Theory of Econometrics, Mac Millan.

3. D. Intriligilat/, Econometric Models, Prentice Hall of India.

4. Johnston. Econometric Methods, Me Graw-Hill.'

5. G.M.K Madnani, Introduction to Econometrics : Principles and Applications, Oxford and IBM PublishingCompany.

6. Damodar N. Gujarati, Essentials of Econometrics, Me Graw-Hill, 1992.

Bhakta Kavi Narsinh Mehta University - Junagadh.

Syllabus

Faculty of Arts M.A. Sem-4

Subject- ECONOMICS

Course – Elective - 2

Paper No.- 405.1

Paper Name - Labour Economics Theories - 2

Paper Code-

Course Objectives:-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	Elective 2	05	30	70	---	100

Course Objectives:-

1. Applications of economic Theory need a reasonable understanding of economic relationships
2. In labour economics we can explain various economics labour problems with the help of labour Theories.
3. Form the study of the whole subject student can know the basic Labour TheoriesLabour problems, specific problems of child and women labour and problems of unorganized labour, Indian trade union, its weakness, globalization and labour sector , etc, This type of study is very helpful to understand Indian labour problems and Indian labour market.
4. Considering this approach security, in industrial relations and its problems, globalization and labour problems, labour reforms, etc.

Course Contents:

Unit-1 : Unemployment Problem: Meaning of Unemployment - Concepts of Labour force, main Worker, marginal Worker , Labour force participation rate, Work force participation rate and unemployment rate - types and measurement of Unemployment, unemployment in India – causes of unemployment - employment policy in current five year plant and its evaluation-

Unit-2 : Industrial Relation: Meaning and definition of industrial relation, importance of industrial relations, meaning of Industrial disputes- types of Industrial disputes ,various types of strikes, Impact of industrial disputes, settlement and preventive Mechanism of industrial disputes.

Unit-3 : Labour Movement India: Meaning, Definition of Labour union - functions of labour union, growth pattern and structure of Labour unions in India - weakness and failures of Labour unions in India.

Unit-4 : Social Security and Child Labour and Women Worker: Concept of social Security – social assistance and social insurance – Different scheme of social security in India - recommendations of second national Labour Commission. Meaning and definition of child labour- causes of child labour- Constitutional and legislative provision measures to regulate child labour , women Workers – problems of Working women - protective provisions for women employees- Equal Remuneration Act, 1976.

Text and Reference Books:

1. Ghose, Ajit, K. (2003), Job and Incomes in globalizing W/ld. II O, Geneva.

2. Uchikawa, Shuji, (2003), Labour Market and Institutions in India, Manohar Publ New Delhi.

3. Seth, K.V. and Suresh Chand, (2004), The Economics of Labour Market. Ame Books New Delhi.

4. Joshi, M.V. (1999), Labour Economics, Darpan Prakashan, Rajkot.

6. Bhatia, S.K. (2005), Constructive Industrial Relations and Labour Laws, B.R. Worldof Books, New Delhi.

6. Datt. Rudra (2005) Economics Reforms, Labour and employment BRW, New Delhi.

7. Kurriakose, Mamkoottam (2005) Labour and Change. BBW, New Delhi.

8. Kumar Anil (2005) Labour Welfare and Social Security, BBW, New Delhi.

9. Remon Gomez, (2005) Labour Supply and Incentives of Work in Europe, EE Publishing Limited, UK

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Syllabus

Faculty of Arts M.A. Sem-4

Subject- ECONOMICS

Course – Elective-2

Paper No.- 405.2

Paper Name - Economics of Infrastructure - 2

Paper Code-

Course Objectives:-

Name of program	Semester	Course	Credit	Internal Marks	External Marks	Practical / viva Marks	Total marks
M.A.	04	Elective 2	05	30	70	---	100

Course Objectives:-

1. This course highlights basic problem of infrastructural development.
2. It is necessary for students to know economic problems and reCored policies for infrastructure growth in India.
3. Economic policy requires under reform to boost infrastructure growth in developing country like India.
4. Development issues and policies for infrastructure appear equally important for postgraduate students of Economics.
5. This paper has greater operational utility in consultancy services by an economist and hence detail case-study approach is required while teaching at postgraduate level.

Course Contents:

Unit-1: Electricity and Water Resources: Developmental problems of Thermal, hydel and Nuclear power plants, Financing of water utilities. Publicly for water development problems of urban and rural water supply pricing of water, gas and electricity.

Unit-2: Transport growth in India: Problem of road development in India, pattern of Road development and its financing in India, Development of Railway, ticket and freight charges determination. Five year plans - and growth of railways. Airport development and privatization, p/t development and shipping in India

Unit-3: Social Infrastructure: Education & Economic growth - Approaches o Educational Planning – Return and Manpower Approaches. Human Resources and Human Capital development Health Dimension and Development, Economic Dimensions of health care - Financing of healthcare - Institutional issue in heath
care delivery.

Unit-4: Economic Policy for Infrastructure growth: Rakesh Mohan Committee report on Infrastructure development in India. BOOT - Public Private Partnership growth in India - Five year plan & infrastructure investment - NRI & FDI in infrastructure growth in India.

Text and Reference Books:

1. Garfick P.j. and W. Lovjoy (1964) Public Utility Economics, Prentice-Hall, Eglewood Cliff.
2. Parikh K.S. (1999) India Development rep/t 1999-2000, Oxford, New Delhi.
3. Derman, P. and Khan, M.E. (1993) Paying for Indian Health Care, Sage Publications, New Delhi.
4. Bary R.U. (1998) Private Health Care in India.
5. McMohan , W.W. (1999) Education & Development : Measuring Social benefits, Oxford University Press, Oxford.
6. Tilak, J.G.B. (1994) Education for Development in Asia, Sage Publication, New Delhi.
7. Padnanabhan C.B. (1984) Financial Management in Education, Select Book, New Delhi.
8. Govt. of India (2000,2003,2004) Economic Survey Ministry of Finance, New Delhi.
9. India 2020, Planning Commission, A white Paper on Infrastructure, Planning Commission, New Delhi, January, 2005.

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