

Hemchandrachrya North Gujarat University

Patan

Degree / Programme

Master of Arts

Subject: - Economics

Semester Course of Studies

Suggested Syllabus

A Draft submitted of Syllabus to be executed from Jun 2011

Submitted By

Chairman,

Board of Studies,

Economics

H.N.G. University, Patan

ABOUT CBCS IN M. A. ECONOMICS

Choice Based M.A. Economics (CBMAE) is very important in the subject considering its global, practical and useful important. In CBMAE, first of all we have to create a choice for the subject. Then we have to plan to satisfy the choice by providing the appropriate frame work of the subjects. So here we follow the UGC guide lines for CBCS in CBMAE. We have classify the subjects in Core courses, Elective courses and multidisciplinary subjects. We have choose these subjects according to predetermined important criteria's. The core subjects of CBMAE , should be base, inevitable and possess top most important in mainstream economics. The elective subjects of CBMAE should be advanced, professional, employment oriented and should have contemporary importance in local to global scenario.

Structure of Courses:

12 Core courses,16 Elective /Optional courses and 16 Inter\Multi Disciplinary and having a four credits of each course and each course will take 60 hours of teaching time in each term. 100 marks per paper in which 70 marks external and 30 internal marks, 3 hours of 70 marks at semester end exam.

Grade will be given below method:

Grading Point:

Grade Point	Description	% of Marks	Division/Grade
1	2	3	4
10	Outstanding	90% → 99%	First/O
9	Excellent	80% → 89%	First/A
8	Very Good	70% → 79%	First/B
7	Good	60% → 69%	First/C
6	Fair	50% → 59%	Second/B
5	Average	40% → 49%	Pass/E
4	Dropped	Below 40%	F

• Rules governing Semester System in M.A. (Economics) Post Graduate Teaching Programme:

1. There are 04 (Four) Units for Each Course Paper.
2. There are 05 (Five) Papers in Each Semester.
3. There are 04 (Four) semester in the M.A. (Post Graduate) Programme.
4. There will be 15 Lectures per unit of Course/Paper and hence there will be 60 Lectures.(45 Theory & 15 Practical)
5. There shall be 100 Marks (4, Credits) in each Course/Paper of which Internal Marks Shall be 30% and External Marks shall be 70%. There shall be Examination of three Hours duration in each Course/Paper for External Marks.
6. For Internal Marks (30 % of 100 Marks) can be given from Written Examination, Viva, Practical, Seminar, Assignment, Quiz etc.

Structure of the CBCS in Economics: First Semester.

Subject/ course	Title of Course	Course credit	No. of hours per week	Weightage for Internal examination	Weightage for Semester examination	Total marks	Duration of semester end exam. In hours
1 Compulsory	Micro Economics-1	04	04	30	70	100	03
2 Compulsory	Macro Economics-1	04	04	30	70	100	03
3 Compulsory	Quantitative Methods	04	04	30	70	100	03
4.1 Elective/ Optional	Theory & Practices of Co-Operation-1	04	04	30	70	100	03
4.2 Elective/ Optional	Economics of Banking & Financial Services-1	04	04	30	70	100	03
4.3 Elective/ Optional	History Of Economic Thoughts-1	04	04	30	70	100	03
4.4 Elective/ Optional	Research In Social Science - 1	04	04	30	70	100	03
5.1 Inter\Multi Disciplinary	Agriculture Economics-1	04	04	30	70	100	03
5.2 Inter\Multi Disciplinary	Industrial Economics-1	04	04	30	70	100	03
5.3 Inter\Multi Disciplinary	Computer Application-1	04	04	30	70	100	03
5.4 Inter\Multi Disciplinary	Import-Export Management	04	04	30	70	100	03

Semester-2

Subject/ course	Title of Course	Course credit	No.of hours per week	Weightage for Internal examination	Weightage for Semester examination	Total marks	Duration of semester end exam. In hours
6 Compulsory	Micro Economics-2	04	04	30	70	100	03
7 Compulsory	Macro Economics-2	04	04	30	70	100	03
8 Compulsory	Basic Statistics for Economics	04	04	30	70	100	03
9.1 Elective/ Optional	Theory & Practices of Co-Operation- 2	04	04	30	70	100	03
9.2 Elective/ Optional	Economics of Banking & Financial Services-2	04	04	30	70	100	03
9.3 Elective/ Optional	History Of Economic Thoughts-2	04	04	30	70	100	03
9.4 Elective/ Optional	Research In Social Science- 2	04	04	30	70	100	03
10.1 Inter\Multi Disciplinary	Agriculture Economics-2	04	04	30	70	100	03
10.2 Inter\Multi Disciplinary	Industrial Economics-2	04	04	30	70	100	03
10.3 Inter\Multi Disciplinary	Computer Application-2	04	04	30	70	100	03
10.4 Inter\Multi Disciplinary	General Awareness & Reasoning Ability	04	04	30	70	100	03

Semester-3

Subject/ course	Title of Course	Course credit	No. of hours per week	Weightage for Internal examination	Weightage for Semester examination	Total marks	Duration of semester end exam. In hours
11 Compulsory	Public Finance-1	04	04	30	70	100	03
12 Compulsory	International Economics-1	04	04	30	70	100	03
13 Compulsory	Theory & Issues of Growth & Development	04	04	30	70	100	03
14.1 Elective/Optional	Dissertation (Minor research)	04	04	30	70	100	03
14.2 Elective/Optional	Project Work & Presentation	04	04	30	70	100	03
14.3 Elective/Optional	Economy of Gujarat	04	04	30	70	100	03
14.4 Elective/Optional	Business Environment	04	04	30	70	100	03
15.1 Inter\Multi Disciplinary	Basic Theory of Environmental Economics	04	04	30	70	100	03
15.2 Inter\Multi Disciplinary	Research Methodology	04	04	30	70	100	03
15.3 Inter\Multi Disciplinary	Computer Application-3	04	04	30	70	100	03
15.4 Inter\Multi Disciplinary	Gandhian Economics	04	04	30	70	100	03

Semester-4

Subject/ course	Title of Course	Course credit	No. of hours per week	Weightage for Internal examination	Weight age for Semester examination	Total marks	Duration of semester end exam. In hours
16 Compulsory	Public Finanace-2	04	04	30	70	100	03
17 Compulsory	International Economics-2	04	04	30	70	100	03
18 Compulsory	Planning and Developing policies	04	04	30	70	100	03
19.1 Elective/Optional	Major Environment Issues	04	04	30	70	100	03
19.2 Elective/Optional	Research & Quantitative Methods	04	04	30	70	100	03
19.3 Elective/Optional	Mathematical Economics & Econometrics	04	04	30	70	100	03
19.4 Elective/Optional	Economics of Infrastructure	04	04	30	70	100	03
20.1 Inter\Multi Disciplinary	Economics of Rural Development	04	04	30	70	100	03
20.2 Inter\Multi Disciplinary	Demography	04	04	30	70	100	03
20.3 Inter\Multi Disciplinary	Computer Application-4	04	04	30	70	100	03
20.4 Inter\Multi Disciplinary	Economics of Social Sector	04	04	30	70	100	03

Structure of question paper : (70 Marks Time : Three Hours)

Question No.	Marks	Note
1	28	There will be two essay type questions (Expected 300 words), each with internal options. Each Question carries 14 Marks.
2	20	Write two short notes out of four. (Expected 200 words). Each Question carries 10 Marks.
3	12	Write six Short Question Out of Eight. Each Question carries 2 Marks.
4	10	Multiple Choice Questions (Compulsory 10 MCQ) Each Question carries 1 Marks

NOTE : Above structure of the question paper is not implanted for course no, 5.3, 10.3, 10.4, 15.3, 20.3 . The structure of these course paper is given with the syllabus of the particular course paper.

Hemchandrachrya North Gujarat University, Patan
Syllabus of Economics for Post Graduate Degree
Master of Arts
Semester Course

❖ Semester – I

➤ Compulsory Papers

Course 1 - Micro Economics – 1

Course 2 - Macro Economics – 1

Course 3 - Quantitative Methods – 1

➤ Elective Papers (Any One)

Course 4.1 Theory and Practices of Co-Operation – 1

Course 4.2 Economics of Banking & Financial Service - 1

Course 4.3 History of Economic Thought – 1

Course 4.4 Research in Social Science – 1

➤ Inter\Multi Disciplinary Papers (Any One)

Course 5.1 Agricultural Economics – 1

Course 5.2 Industrial Economics – 1

Course 5.3 Computer Application – 1

Course 5.4 Import Export Management

❖ Semester – II

➤ Compulsory Papers

Course 6 Micro Economics – 2

Course 7 Macro Economics – 2

Course 8 Basic Statistics for Economics

➤ Elective Papers (Any One)

Course 9.1 Theory and Practices of Co-Operation – 2

Course 9.2 Economics of Banking & Financial Service - 2

Course 9.3 History of Economic Thought – 2

Course 9.4 Research in Social Science – 2

➤ Inter\Multi Disciplinary Papers (Any One)

Course 10.1 Agricultural Economics – 2

Course 10.2 Industrial Economics – 2

Course 10.3 Computer Application – 2

Course 10.4 General Awareness and Reasoning Ability

❖ **Semester – III**

➤ Compulsory Papers

Course 11 Public Finance – 1

Course 12 International Economics – 1

Course 13 Theory and Issues of Growth and Development

➤ Elective Papers (Any One)

Course 14.1 Dissertation (Minor Research)

Course 14.2 Project Work & Presentation

Course 14.3 Economy of Gujarat

Course 14.4 Business Environment

➤ Inter\Multi Disciplinary Papers (Any One)

Course 15.1 Basic Theory of Environmental Economics

Course 15.2 Research Methodology.

Course 15.3 Computer Application – 3

Course 15.4 Gandhian Economics

❖ Semester – IV

➤ Compulsory Papers

Course 16 Public Finance – 2

Course 17 International Economics – 2

Course 18 Planning and Developing Policies

➤ Elective Papers (Any One)

Course 19.1 Major Environmental Issues

Course 19.2 Research and Quantitative Methods

Course 19.3 Mathematical Economics & Econometrics

Course 19.4 Economics of Infrastructure

➤ Inter\Multi Disciplinary Papers (Any One)

Course 20.1 Economics of Rural Development

Course 20.2 Demography

Course 20.3 Computer Application – 4

Course 20.4 Economics of Social Sector

Semester :- 1

Course 1:

Micro Economics ~1 (Compulsory Paper)

PREMBLE:

The main objective of this paper is to analyze the economic behavior of individuals, firms and markets. It is mainly concerned with the learning the students in very analytical and comprehensive manner with the various aspects of consumer behavior, trends of costs, and the traditional and modern theory of markets and equilibrium of firm.

- Unit:1 Basic Economic Problem -Choice and Scarcity, Basic Assumptions of Economics, Nature and Scope of Economics, Deductive and Inductive Methods of Analysis, General and Partial Equilibrium, Static and Dynamic Equilibrium.
- Unit:2 Approaches of Theory of Demand—Marshallian Utility, Hicksian Indifference Curve, Samuelson's Revealed preference Theory, Revision of Demand ,Theory by Hicks, Price Effect Analysis, Different approaches of Consumer's Surplus.
- Unit:3 Production Function, Law of Variable Proportions and Returns to Scale, Isoquants, Least cost combination of inputs, Various concepts of costs -Social cost, Opportunity cost, Economist's and Accountant's concepts of costs, Short term and Long term cost curves, Economies of Scale--Internal and External Economies & Diseconomies, Extension Path.
- Unit-4 Analysis of Equilibrium of firm and industry under Perfect competition, Imperfect Competition , Monopolistic competition, Monopoly and Oligopoly. Concepts of Duopoly, Modals of duopoly - Cournot, Bertrand and Edgeworth. Price Discrimination - types, merits & demerits. Basis of the classification of Market Structure - Elasticity, crossed elasticity, Numbers of firms.

Basic Reading.

1. Stonier, A.W. and Hague, D.C., A Text Book of Economic Theory. ELBS & Longman, London.
2. Ray, N. C., An Introduction to Microeconomics, Mcmillan Co. of India Ltd. Delhi.
3. Prasad, K. N., Lectures in Micro Economic Theory, Himalaya Publishing Co., Mumbai.
4. Samuelson, P. A. and Nordhaus, W.D., Economics, Tata McGraw Hill, New Delhi.
5. Ahuja, H. L., Advance Economic Theory, S.Chand and Co., Delhi.
6. Handerson, J and Quandt R.E. , Micro Economic Theory :A Mathematical Approach, McGraw Hill , New Delhi.

Semester:-1
Course - 2 :
Macro Economics - (1) (Compulsory Paper)

PREMBLE:

Macroeconomic or aggregative economic analyses have great importance in the days of new economic reforms. So macroeconomics is very important to understand macro economic policies to the students of this subject. Because it established the functional relationship between the large aggregates. It is essential to analyze the macroeconomic theoretical structure, which is considered for the proper comprehensive of the different issues and policies. Macroeconomics now is not only a scientific method of analysis, but also a body of empirical economic knowledge. This paper equips the students at the postgraduate level to understand systemic facts and latest theoretical developments for empirical analysis.

- Unit—1 National Income Accounts- Different forms of National Income. Social accounting, input-output accounting, flow of funds and balance of payments accounting. Concepts of Micro and Macro Economics.
- Unit--2 Classical Approach to Demand for Money- Quantity theory, Fisher's Equation, Cambridge Quantity theory, Keynes' speculative demand for money- aggregate for Money : Derivation of L.M. Curve.
- Unit--3 Post Keynesian Approaches to Demand for Money – Patinkin and Real Balance Effect, Approaches of Baumal and Tobin, Friedman and the Modern Quantity Theory, Crisis in Keynesian Economics and the revival of Monetarism.
- Unit -4 Neo-classical and Keynesian views on Interest. IS-LM Model, Extension Sector Relative effectiveness of monetary and Fiscal policies, Extension of IS-LM Model with Labour market and flexible prices.

Basic Reading

1. Ackley, G. , Macroeconomics : Theory and policy., Macmillan, New York.
2. Branson, W.A. , Macroeconomic Theory and policy, Harper and Row, New Delhi.
3. Hall, R. E. and Taylor, J.B., Macroeconomics, W.W. Norton, New York.
4. Heijdra, B.J. and Frederick, V.P., Foundations of Macroeconomics, Oxford university Press, New Delhi.
5. Romer, D.L., Advanced Macroeconomics, McGraw Hill company Ltd., New York.
6. Gupta, R.D. , Keynes and Post Keynesian Economics.

Semester -1

Course - 3

Quantitative Methods (Compulsory Paper)

Preamble:

The Main objective of this paper is to train students to use the techniques of mathematical and statistical analysis, which are commonly applied to understand and analyze economic problem. The emphasis of this paper is understanding economic concepts with the help of mathematical methods rather than learning mathematical it self.

Unit-1: Function Limit and differentiation:

Concepts and types of function, limit, Continuity and derivative, Rules of differentiation, Simple problems of market equilibrium.

Unit-2 Applications of differentiation in Economics:

Interpretation of revenue , cost, demand and supply functions. Elasticity and their types, Problems of maxima and minima in single and multivariable functions, Application to consumer's surplus and producers surplus.

Unit-3 Determinant and Matrix:

Determinants and their basic properties, Solution of simultaneous equations through Cramer's rule, Concepts of Matrix, their types, Inverse of Matrix, application of Matrix.

Unit-4 Linear Programming

Basic concept, Formulation of a linear programming problem, its structure and variables, feasible basic and optimal solution of linear programming through graphical method.

Basic Reading:

1. Das M.N., Statistical Methods and Concepts., New Age International, Delhi.
2. Gupta, S.P., statistical methods., Chand and Co., Delhi.
3. Kalimantan, K.P., Applied Econometrics, Oxford & IBH, Delhi.
4. Mehta, B.C. and Mehta, A.C., Fundamental Econometrics, Himalaya Publishing house, Bombay.
5. Simpson, G and Kafka, Fritz., Basic Statistics, Delhi.
6. Srivastava, U.K., Quantitative Techniques for Managerial Decision, New Age International, Delhi.
7. Mehta and Madnani, Mathematics for Economics, Sultan Chand & sons, New-Delhi.
8. R.S. Bhardwaj, Business Statistics, Excel Books, New-Delhi.

Semester ~1

Course – 4.1

Theory and Practice of Co-operation (1)

Preamble:

Co-Operative sector plays significant role in development of rural economic, agriculture sector & industrial sector in India. This paper equips the student at the P.G level to understand principles, achievements and limitations of Co-Operative sector & various co-operative societies in India

- Unit – 1: Growth and Principles of Co-Operation:
Origin, Meaning, Scope, Co-Operative Movement in the World, Major Principles of Co-Operation, Revision of Principles of Co-Operation.
- Unit – 2: Co-Operative Set up and departmental set up in India, three tier structure – Primary Level, District Level, State Level Federations, National Co-Operative Federations, Power of registrar of Co-Operative.
- Unit – 3 Co-Operative Credit and Banks, Primary Co-Operative credit Societies, District/Central Co-Operative Banks, Urban Co-Operative Banks, Problems faced by Co-Operative Banks – Protection of Deposits – Support and Control by Reserve Bank of India.
- Unit – 4 Co-Operative milk Societies:- Primary milk Co-Operative Societies objectives, Functions and- Management; Working Establishment of AMUL and AMUL Pattern of Co-Operative dairies – District Co-Operative Milk Union – Extension Services, State Co-Operative Milk Marketing Federation: Objectives and activities, Role of NDDDB – National Dairy Development Board and National Co-Operative Dairy Federation of India in Dairy development.

Basic Reading:

1. Ahmed Rais, Co-Operative and Integrated Rural Development, Mittal Publication, New Delhi.
2. Anand, Jaya S, Co-Operatives and Agricultural & Rural Development Bank, Atlantic Publishers and distributors, New Delhi.
3. Bedi, R.D. ; Theory, History and Practice of Co-Operation, R.Lal and Co., Meerut.
4. Dwivedi R.C. , Glimpses of Co-operative thought vol. 1-8., The Co-operative Times, New Delhi.
5. Hajela, T.N. ; Principles, Problems and Practice of Co-Operation, Shivalal Agrawal & Co., New Delhi.
6. Mathur, B.S. , Co-Operative Marketing in India, Shahitya Bhavan, Agra.
7. Puri, S.S., Ends and Means of Co-Operative Development , Deep and Deep Publication, New Delhi.

Semester-1

Course 4.2

Economics of Banking & Financial Service-1 (Elective Paper)

Preamble:

This paper is introduced to make student well conversant with changing financial and capital structure, It aims at basic theoretical premises of banking and finance with current scenario.

- Unit-1: Meaning and types of bank, function of commercial bank, function of central bank, objectives of the monetary policy, Recent Change in Banking Sector.
- Unit-2: Meaning, Function and instrument of the money market, Meaning, function and instruments of capital market, Distinction between money and capital market.
- Unit-3: Meaning of Development Banking, features of Development Bank. Development Banks of India. The Industrial Development Bank of India (IDBI), The Industrial Credit and Investment Corporation of India (ICICI), The Export-Import Bank of India (EXIM), NABARD.
- Unit-4: Meaning of E-Banking, Facts of E-Banking, Function of E-Banking, Model of E-Banking-Meaning of Complete centralized solution and its features, meaning of cluster approach and its features, Meaning of High-tech bank within bank and its features, Advantages and limitation of E-Banking.

Reference List:

1. Mithani D.M., Money, Banking, International Trade and Public Finance, Himalaya Publishing House, New Delhi, 2009.
2. Shrivastava P.K. , Banking Theory and Practice, Himalaya Publishing House, New-Delhi, 2009.
3. Ahuja H.L., Macro Economics: Theory and Policy, S.Chand , New Delhi, 2009.
4. RBI Bulletin and various RBI Report.
5. Kapila Raj & Uma Kapila, India's Economy in to the 21st century, Academic Foundation, New-Delhi 2002.

Semester – 1
Course – 4.3
History of Economic Thoughts – 1 (Elective Paper)

PREMBLE:

This Course is essential for a student who aspires for advanced training in economics. Contemporary economics science has evolved over many centuries. The evolution of economic means in each measure was as much a response to immediate economic problems and policy issues as much as it was a self-conscious attempt to refine earlier analysis by correcting mistakes and filling in the gaps in analysis. Economic ideas did not evolve in isolation. But were in integral and important part of the evolution of modern social thought. Prevailing ideas of science, scientific ragout and measurement played a significant role in the shaping of economic science at each stage of its evolution. This course, tracing the history of economic thought would enable the student to understand how contemporary economics came to be what it is.

Unit-1 Doctrines of Just Cost and Just Price – Merchantalism: Main Characteristics – Physiocracy : Natural Order, Primacy of Agriculture, Social Classes, Tableau Economique

Unit-2 Classical Economics – Adam Smith: Division of Labour, Theory of Value, Accumulation, Free Economy and invisible hand – International Trade.

Unit-3 Classical Period – Thomas Malthus: Theory of Population, German Romantics Socialists: Sismondi, Karl Marks: Surplus Value and Crisis of Capitalism

Unit-4 Classical Period – J.B. Say’s Law of Market, Economic ideas of J.S. Mill. Historical School: Senior, List

Basic Reading:

1. Gide, A and Rist G. , History of Economic Doctrines (2nd Edition) ,George Harrop & Co., London.
2. Rolle, E(1973), A History of Economic Thought., Faber, London.
3. Schumpeter, J.A. (1954), History of Economic Analysis., Oxford University Press,. New York.
4. Schumpeter, J.A. (1951), Ten Great Economists, Oxford University Press, New York.
5. Sheshadri, G.B. (1997), Economic Doctrines, B.R. Publishing Co-Operation, Delhi.
6. Bjaug, M. (1997), Economic Theory in Retrospect: A History of Economic Thought from Adam Smith to J.M. Keynes (5th Edition) , Cambridge University Press,Cambridge.

Smester-1
Course 4.4
Research in Social Sciences -1 (Elective Paper)

Preamble:

Objective of the course is aware the student to the basic concept of the research methodology, which will be helpful for research work in future.

- Unit-1: What is Research? - Definition of Research ; characteristics of research, objectives of research, Role of theory in research, Contribution of research to theory.
- Unit-2: Meaning of social science research and its objectives, Function (uses) of social science research, Limitation of social sciences research, Ethics in social science research.
- Unit-3: Types of Research-Applied Research, Exploratory Research, Descriptive Research, Diagnostic Study, Evolution Studies, Action Research, Experimental Research, Analytical study, Historical Research.
- Unit-4: Meaning of Survey, Characteristics of Survey, Steps involved in a survey, The purposes of survey, Subject-matter of Survey, coverage of survey, merits and limitation of survey.

Referance List:

1. Krishanawami O.R. and M. Ranganatham, Methodology of Research in Social Science. Himalaya Publishing House, Mumbai-2008.
2. K.R.Sharma, Research Methodology, National Publishing House, Jaipur 2002.
3. Barse M.N, research Methodology, Shrinivas Pub.2005.
4. Poonia Virender s & Meenakshi Poonia, Research Methodology and Statstical Methods, Vishvamabhari Publication, New-Delhi=2009
5. Pani Sisista Rama Devi and others (ed) (2008), Research in Indian Higher Education Instituttions, University News-Vol 46 no.5

Semester – I

Course – 5.1

Agricultural Economics—1 (Inter\Multi Disciplinary Paper)

PREMBLE:

The Objective of the course is to familiarize student with policy issue that are relevant to Indian Agricultural Economics and enable them to analyze the issues. Using basic micro economic concepts.

Unit -1 Agricultural and Economic 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 of 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 –Hvv Chemical fertilizer. Irrigation PPM and far mechanization Labour absorption –Sustainable agriculture and future challenges.

Basic Reading List :-

1. Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
2. Blgrami, S.A.R. (1996) ,Agriculture Economics, Himalaya Publishing House, Delhi.
3. Dantwala M,L. et. al. (1991), Indian Agricultural Development since independence, Oxfod & IBH, New Delhi.
4. Govt. of India, Economic Survey (annual) , New Delhi.
5. Govt. of India, 1976., Report of the National Commission on Agriculture, New Delhi.
6. Gulati A,& T. Kelly (1999) , Trade, liberalization and Indian Agriculture, Oxford University Press, New Delhi.
7. Joshi P.C. (1975), Land Reforms in India, Trends & 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 Degradation in India, Oxford University Press, New Delhi.

Semester -1
Course -5.2
Industrial Economics -1(Inter\Multi Disciplinary Paper)

PREAMBLE: -

In the contemporary world with globalization and liberalization more and more attention is being given to industry. This course intends to provide knowledge to the students on the basic issues such as productivity, efficiency, capacity utilization and debates involved in the industrial development of India. The objective is to provide a thorough knowledge about the economics of industry in a cogent and analytical manner, particularly in the Indian context.

Unit-1: Framework and Problems of Industrial Economics. Concept and Organization of a Firm, Control and Objective of the firm. Market Structure. Sellers Concentration, Product differentiation, Economics of Scale, Innovations, Theory of Industrial Location- Weber and Sergeant Florence, Factors affecting Location.

Unit-2 :Industrial Growth and Pattern –Classification of Industries, Industrial Policy – Role of Public and Private Sector, MNCs and transfer of technology, Liberalization and Privatization, Industrial Economic Concentration and remedial measures. Issues in environmental Preservation ,Pollution Control policy.

Unit-3 : Industrial Finance- Components of funds, Role, Nature, Volume and types of Industrial Finance---IDBI, IFCI, SFCS, SIDC, ICICI, Commercial Banks.

Unit-4: Current Problems of Selected Industries- Iron and Steel, Cotton—Textile, Jute, Sugar, Coal, Cement, Engineering Goods, Chemical and Pharmaceutical Industries, Development of small Scale and Cottage Industries in India.

Basic Reading :

1. Aahluwalia, I. J., Industrial Growth in India, Oxford University, New Delhi.
2. Barthwal, R, R., Industrial Economics, Wiley Eastern Ltd., New Delhi.
3. Cherunilam, F., Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.
4. Desai, Industrial Economy in India, Himalaya Publishing House, New Delhi.
5. Divine, P. J. and Jones, R, M. et. al. , An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.

Semester -1

Course 5.3

Computer Application:1 (Inter\Multi Disciplinary Paper)

[A] **Objectives :** The First and foremost objective of the course is to familiarize students with the innovations in IT and how it can be used in research work of social science.

[B] **Course input :**

(1) Unit 1 : Introduction to computers

- Definition, Characteristics and classification of computers
- History of Computers
- Applications of computer at Various Level in general and in Economics Particular
- Block diagram of computer
- Parts of a standalone computer (With reference to a pc only)
 - i. CPU, FDD, HDD, Keyboard, mouse, VDU, Memories
- Printers, Modem, Scanners, Multimedia kits,
- Networking concepts : LAN, WAN, MAN
- What is hardware and software
- Types of software

(2) Unit 2 : Introduction to windows XP

- What is an operating system ?
- Popular operating systems for PCS.
- Introduction to windows XP
- Desk top and its parts
- Options of start menu
- Introduction to windows explorer
 - i. Parts, creating a folder, deleting a file, deleting a folder, copying and moving file and folder.

(3) Unit 3 : Introduction to Word - 2000

- what is word processing
- Advantages of word processing
- Stating word 2000 and its parts
- Basic operations on a document
 - Typing, saving, printing, print preview, opening, closing a document and saving a document with new name
- Editing a document
- Move and copy text
- Formatting text and paragraph
- Finding and replacing a text
- Checking spelling and grammar
- Auto correct and auto text
- Opening and closing toolbars

(4) Unit 4 : Advance features of Word - 2000

- Using tabs
- Enhancing a document
Page set-up, page break, header and footer, zoom, changing case, print options, print preview
- Tables
- Using multiple columns, format painter, auto format
- Graphics and word art
- Mail merge

[C] Basic Textbooks :

- Personal computer, Windows 98 and Microsoft office 2000 Antani Hemang and Shah Keyur , TMH
- PC software for windows 98 mad simple, Taxali R K, TMH

[D] Structure of question paper (theory) : (35 Marks Time : Three Hours)

Question No.	Marks	Note	Unit
1	10	Short notes any Two out of Four	One from Each 1,2,3,4
2	15	Write Procedure Any Fifteen out of Eighteen	Six from Each 2,3,4
3	05	Short Question(Any Five Out of Eight)	Two from each Unit
4	05	Multiple Choice Questions Compulsory five MCQ	Minimum one from each unit

[E] Scheme of Practical examination :

Time : 3 Hours

Total marks : 35

- Practical based on windows (One out of two) 12 Marks
- Practical based on Word (One out of two) 12 Marks
- Viva 06 Marks
- Journal 05 Marks

Note : Practical should be asked form the list prepared by university.

Basic Readings

1. Gupta, Vikas., Comdax Computer Courses Kit., Dreamtech Press, New Delhi.
2. Sinha, P.K., Computer Fundamentals, BPB Publishers, New Delhi.
3. Antani Hemang and Shah Keyur, Persona Computer, Windows 98 and Microsoft office 2000, T M H
4. Taxali, R,K. , P C Software for Windows 98 made simple. T M H.

Semester -1

Course 5.4

Import Export Management (Inter\Multi Disciplinary Paper)

Preamble:

The syllabus is objected to provide an insight to the students regarding the Import & Export Management. This will benefit them to cope with latest trends in global trade & commercial affairs and help them secure employment in like sectors.

Unit-1: Role of export in economic development:

Definition, scope, Advantages, problems, needs, Distinction between Domestic marketing& export market, Traditional & non-traditional items of export, Latest EXIM policy with amendman's export promotion v/s import substitution

Unit-2: Institutional infrastructure for export:

Export promotion councils, commodity board, and advisory committee. MPEDA, APEDA.TDA, TFAI, STC, export inspection, packaging institute.

Unit-3: Identification of Foreign Market:

Developed& Developing Countries, Basic and information sources, overseas market survey Import promotion agencies, ITPA, GATT , IMF, UNCTAD, regional Grouping-EEC, ASIAN SAARC, EUROPE, NAFTA.

Unit-4: Market Entry.

Difference between manufacture & merchant exporter, deemed export, export house, TH, STH, channel of distribution, FTZ&100% EOU. Export pricing, price & non-price facture, transportation system, Logistic.

Basic reading

1. Rathore B.S., Export Management
2. Balgopal, Export Management
3. Cheralanalain Fracis International Market

Semester -2

Course – 6

Micro Economics -2 (Compulsory Paper) (Theories of Distribution And Welfare)

Preamble:

This paper analyses the micro and macro theories of distribution, welfare economics. It develops the student knowledge about rewards of factors and economic welfare.

Unit-1 Marginal Productivity theory of factor pricing, Exploitation of labour, Euler's theorem. Labour's share- Minimum wages, collective Bargaining power & wages rise.

Unit-2 Macro Theories of distribution: Classical theories of distribution- David Ricardo and Karl Mark, Neo classical theories of distribution Kalecki & Kaldor.

Unit -3 Concept of Economic Welfare, Benthamian notion of economics welfare, Piguvian Welfare economics, Paroto's concept of optimal welfare, Bergson's concept of social welfare function & its applicability.

Unit-4 Hicks Kaldor Compensation Criterion, Inability to obtain optimum welfare- Imperfection market failure, decreasing costs, uncertainty and non existent and incomplete markets, Theory of second Best Arrow's impossibility theorem, Rawl's theory of justice, equity-efficiency trade off.

Basic reading

- 1) Ahuja, H.L., Advnce Economic Theory, S. Chand and Co., Delhi.
- 2) American Economic Association(1969) , Reading in Welfare Economics.
- 3) American Economic Association(1950), Reading in The Theory of Income Distribution.
- 4) Archibald, G.O. ,Theory of Firm.,Penguine, Books.
- 5) Boumal, W. J., Economic Theory and Operating Analysis, Printice Hall, Delhi. India.
- 6) Da Costa G. C., Production Price And Distribution, Tata Mcgrow Hill, Delhi.
- 7) Kreps, David M. , A Course in Microeconomic Theory, Princeton University Press, Princeton.

Semester -2

Course-7

Macro-Economics(2) (Compulsory Paper)

- Unit-1: Consumption Function-Keynes psychological law of consumption. It is implications, short run and long run consumption function. Empirical Evidence. Income—Consumption relationship. Absolute income, relative income, Life cycle and permanent income hypothesis.
- Unit-2: Marginal Efficiency of capital and investment. The accelerator and investment behaviour. Multiplier, Keynesian general Equilibrium, effective demand.
- Unit-3: supply of Money: A behaviour model of money supply, A demand determined money supply process., RBI approach to money supply, High powered money and money multiplied, money supply and open economy,. The control of Money supply -rule versus discretion.
- Unit-4: The Financial Intermediation-A mechanistic model of bank deposit, determination approach of model on open economy, Asset markets. Theory of rational expectations, Monetary approach of balance of payments.

Basic Reading

1. Ackley, g, Macroeconomics: Theory and Policy. Macmilan, New York.
2. Backhouse. R and Slansi, a (Eds.) (2000), macroeconomics and real World.(2000) Oxford University Press. London.
3. Eranson. W.A, Macroeconomics: Theory and Policy, Harper and row, New-Delhi.
4. Bornbuch. R and Stanley. F., Macroeconomics, Mc. Grow Hill, New York.
5. Hall R.E. And Taylor, J.B., Macroeconomics,W.W.Norton, New York.

Semester -2

Course-8

Basic Statistics for Economics. (Compulsory Paper)

Preamble:

The Main objective of this paper is to train students to use the techniques of mathematical and statistical analysis, which are commonly applied to understand and analyze economic problem. The emphasis of this paper is on understanding economic concepts with the help of mathematical methods rather than learning mathematical it self.

Unit-1: Data collection And sampling:

Collection of data, primary and secondary sources of data collection, Good questionnaires, population (census) survey and sample survey, characteristics of a good sample. Difference between population study and sample study, sampling methods, simple random, stratified random, systematic sampling etc.

Unit-2: Measures of central tendency and dispersion:

Mean, Median, Mode, Dispersion, Rang, Deviation, Quartile Deviation, and Standard Deviation.

Unit-3: Linear Correlation & Linear Regression:

Meaning of Correlation, Types of Correlation, Method of studying Correlation, Scatter diagram method, Karl pearson's method, spearman's method of rank Correlation, Probable error.

Meaning of Regression, Linear regression model, Equations of lines regression, Calculation of regression coefficients, Correlation and regression

Unit-4: Probability:

Deterministic and non deterministic experiments, classical and empirical definitions of probability, Laws of addition and multiplication, conditional probanility.

Basic Reading:

1. Mehta-Madnani, Mathematics fro Economics, Sultan Chand & sons, New-Delhi.
2. R.S.Bhardwaj, Business Statistics, , Excel Books, New-Delhi.
3. Das M.N. , Statistical Methods and Concepts, New Age International, Delhi.
4. Gupta, S.P., statistical methods., S. Chanel and Co., Delhi.
5. Kalimantan, K.P., Applied Econometrics, Oxford & IBH. , Delhi.
6. Mehta, B.C. and Mehta, A.C. , Fundamental Econometrics, Himalaya Publishing house, Bombay.
7. Simpson, G and Kafka, fritz., Basic Statistics, Delhi.
8. Srivastava, U.K. at all. , Quantitative Techniques for Managerial Decision, New Age International, Delhi.

Semester – 2

Course – 9.1

Theory and Practice of Co-Operation – II (Elective Paper)

Preamble:

Co-Operative sector plays significant role in development of rural economic, agriculture sector & industrial sector in India. This paper equips the student at the P.G level to understand principles, achievements and limitationm of Co-Operative sector & various co-operative societies in India

Unit-1 Agricultural Co-operative: Marketing and Processing Co-operative Marketing Structure, Primary Marketing Co-Operatives, Taluka and District Level Purchase and Sale Unions, State Agricultural Marketing Federation – Gujcomasol – Gujarat Agricultural Marketing Board, Regulated Markets : Functions, Procurement, Distribution of Consumer Goods – National Agricultural Marketing Federation (NAFED)

Unit-2 Different Types of Co-Operatives

Industrial Co-Operatives, Fishery Co-Operatives, Housing Co-Operatives, Irrigation Co-Operatives, Consumer Co-Operatives, Fertilizer Co-Operatives (IFFCO, KRIBHCO)

Unit-3 Co-Operative Education, Training and Information, National Co-Operative Union of India (NCUI), National Council for Co-Operative Training (NCCT), Vaikunth Mehta National Institute of Co- Operative Management (VAMNICOM), State Co-Operative Unions, District Co-Operative Unions, Co-Operative Education for Members, Committee Members, Leadership; Youth and Women International Co-Operative Alliance (ICA)

Unit-4 Evaluation of Co-Operatives – Achievements – Income and Employment Generation, Infrastructural Facilities, Production, Marketing, Distribution, Management, Education & Training, Rural Development – Problems of Co-Operation, National Co-Operative Policy

Basic Reading:

1. Mathur, B.S. , Co-Operative Marketing in India , Shahitya Bhavan, Agra.
2. Haleja, T.N.; Principles, Problems and Practice of Co-Operation, Shivalal Agarwal & Co., New Delhi.
3. Das T.R. and Sen, K.K.,Co-Operative and Economics and Economic Development Publication, Jaipur and New Delhi.
4. Gohel, B.B., Management of Marketing Co-Operatives, Deep and Deep Publication, New Delhi.

5. Jain, P.K., Marketing Management of Co-Operative Sector in India, Krishna Publishing House, New Delhi.
6. Mishra, Baidynath., Co-operative Management in India, APH Publishing Co., New Delhi.
7. Saxena, K.K., Evolution of Co-Operative thought, Somaiya Publication Pvt. Ltd., New Delhi.

Semester-II
Course : 9.2
Economics of Banking & Financial Service-2 (Elective Paper)

Preamble:

This paper is introduced to make student well conversant with changing financial and capital structure, It aims at basic theoretical premises of banking and finance along with current scenario.

- Unit-1: Meaning of portfolio management, objectives of the portfolio management of bank, Theories of portfolio management, Investment Policy of a commercial Bank, Essential of a sound banking system.
- Unit-2: Concept of primary and secondary market, Meaning of Financial Assets and its classification, Concepts of shares, Kinds of shares-meaning and characteristics of Equity shares, Meaning and features of preference shares, concept of deferred shares No par stock and sweat equity, Meaning and types of debentures (Bonds), Concepts of derivatives, concepts of futures and option, Concept of right issue and bonus issues.
- Unit-3: What is Stock Exchange? Function of Stock Exchange. Introductions of SEBI, SEBI's Role in stock exchange, introduction of Bombay Stock Exchange (BSE) and National Stock Exchange (NSE).
- Unit-4: Concept and types of Insurance, Characteristics of Insurance, Function of Insurance, Principles of Insurance, Important aspects of Insurance business.

Reference List:

1. Mithani D.M., Money Banking, International Trade and Public Finance, Himalaya Publishing House, New-Delhi-2009.
2. Gupta Shashi K and Rosy Joshi, Security Analysis And Portfolio Management, Kalyani Publishers, New-Delhi,2005
3. Fischer Donald E and Ronald I Tordan, Security Analysis And Portfolio Management, Prentice- Hall of India, New-Delhi,2007
4. Rawal Tejindersing, How to invest in shares, Taxman's New-Delhi,2007.
5. Jhingnan M.L,Principlesof Economics, Vrinda Publication LTD., New-Delhin 2005.

Semester -2
Course: 9.3
History of Economic Thoughts -(2) (Elective Paper)

Unit-1: Austrian School Margin list —utilitarian Analysis Gosen, Jevons Manger, Bohm Bawark , weiser.

Unit-2: Keynesian Economics-aggregate economy, effective demand, wage rigidity, under employment equilibrium, States intervention ,role of fiscal policy: deficit spending and public works.

Unit-3: Alfred Marshall as a Great Synthesizer, Role of time in price determination, consumers behavior , Elasticities , internal and external Economics , quasi rent A.C.Pigou : welfare Economics . Schumpeter : Role of entrepreneur and innovations

Unit-4: Indian Economic Thoughts, Naoroji, Ranade, R.C.Dutt and M.N.Roy. Economic thoughts of Gandhiji. J.K.Mehta: wantlessness

Basic Reading

1. Gide, A and Rist, G. (1956), A history of Economic Doctrines. (2nd edition), Gorge harrop & co. London.
2. Rolle, E(1973),A History of Economic Thought, Fator, London.
3. Schumpeter, J.A.(1954), History of Economic Analysis, Oxford university press, New york.
4. Schumpeter JA .(1951) ,Ten Coreat Economists, Oxford university press, New York.
5. Shehachi, G.B. (1997), Economic Doctrines, B.R. Publishing Corporation, Delhi
6. Blaug, M (1997), Economic Theory in Retrospect: A History of Economic Thought from dam Smith to J.M. Keynes (5th Edition), Cambridge University Press, Cambridge.
7. Ganguli, B.N.(1977), Indian Economic Thought: 19th Century Perspective, Tata Mcgraw Hill, New Delhi.
8. Dasgupta A.K. (1933), A History of Indian Economic Thought, Routledge .
9. Gandhi, M.K. (1947), India of My Dreams, Navjivan Publishing House, Ahmedabad
10. Bipinchandra (1969), Rise and Growth of Economic Nationalism in India, Perples Publishing House, New Delhi.

Semester-II

Course 9.4

Course: Research in Social Sciences -2 (Elective Paper)

Preamble:

objective of the course is aware the student to the basic concept of the research methodology, which will be helpful for research work in future.

- Unit-1: Meaning of Case Study, Function of Case Study, Merits and limitation of case study, Meaning of field studies, Types of field study Merit and Limitation of field study.
- Unit-2: What is review of Literature, The purpose of review of literature. Literature search procedure, Sources of review literature, Planning and review work, Note taking.
- Unit-3: Selection of a problem for research, the mode of selection, sources of problem, process of identification, criteria of selection, Formulation of the selected problems.
- Unit-4: Meaning of Hypotheses. Hypotheses necessary or not, Types of Hypotheses , sores of Hypotheses , The Functions (Role) of Hypotheses, Characteristics of a good Hypotheses, Testing of Hypotheses.

Referance List:

1. Krishanawami O.R. and M. Ranganatham, Methodology of Research in Social Science, Himalaya Publishing House, Mumbai-2008.
2. Poonia Virender s & Meenakshi Poonia, research Methodology and StatsticalMethods, Vishvamabhari Publication, New-Delhi,2009.
3. Rao Sajeevan A & Deepak Tyagi, Research Methodology with SPSS ,Shree nivas Pub.Jaipur.
4. Pani Sisista Rama Devi and others (ed) (2008), Research in Indian Higher Education Instituttions, University News-Vol 46 no.5

Semester-2
Course 10.1
Agricultural Economics –2(Inter\Multi Disciplinary Paper)

PREMBLE:

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

Unit -1 Rural Economic Activities and Labour Market:

Rural Industrialization, scope and problems of agro- industries. Economic condition of agricultural labours – Rural unemployment –its nature and causes. Government's employment policy and employment generation programmes. Poverty and poverty alleviation policy.

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 co-operative marketing, Agricultural price Policy: Objective, Instrument, evaluation; Food security – Agricultural prices and Public distribution scheme (PDS) , Terms 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 , capitalist farming system in developed countries , World Food Assistance.

Basic Reading:

- 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) Sdautwala M.L. et. Al. (1991), Indian Agricultural Development since independence, Oxford & IBH , New Delhi.
- 4) Govt. Of India, Economic Survey (Annual) , NEW Delhi.
- 5) Govt. Of India, (1976), Report of the National Commission on Agriculture , New Delhi.

Semester -2
Course – 10.2
Industrial Economic -2 (Labour Economics) (Inter\Multi Disciplinary Paper)

Unit -1 Labour Market:

Nature and Characteristics, Demand for labour to size and pattern of investment. Supply of labour in relation to growth of labour force, labour Market polices. Mobility and productivity of labour.

Unit -2 Wages determination and policy

Recardo and Marxs, Marginal productivity theory, Bargaining power and wages, Minimum wages, fair wages allowances and fringe, benefits bonus National wage policy. Wage boards in India.

Units -3 Industrial Relations.

Structure of Tread Union in India, Second National Commission on labour, Industrial relations; unions and Management attitude, Industrial disputes-Forms and causes. Methods of Settlement of Industries disputes, arbitration,International labour organization and international labour standards

Unit:4 Labour Welfare, Social Security of labour,

social assistants and Social Insurance, Review and appraisal of State policy with respect to social security and labour welfare in India. Special Problems-Chilled labour, female labour-Zender bias; Globalization and labour Market.

Basic Reading

- 1) Datt G (1996); Bargaining power, wages & employment: An Analysis of agriculture labour markets in India, Sage publication, New Delhi.
- 2) Jhavala R. & P.K. Subramanyam (Eds) (2000); The unorganized Sector work security and social potential, Sage publication New Delhi.
- 3) Lester R.A (1964); Economics of labour (2nd Edition), Macmillan, New York.
- 4) Macconnell C.R & S.I Brue (1986); Contemporary labour economics, McGraw Hill, New York.
- 5) Papola T.S.P.P Ghosh & A. N. Sharma (Eds) (1993); Labour Employment & Industrial relation in India,B.R Publishing Corporation, New Delhi.
- 6) Venkata Ratnam C.S (2001); Globalization & Labour Mgt Relations: Dynamics of change, Sage publication, New Delhi.

Semester –2
Course 10.3
Computer Application -2 (Inter\Multi Disciplinary Paper)

(1) Unit 1 : Introduction to Excel 2000 :

- What is an Electronic Worksheet and its advantage
- Starting Excel and Excel Screen
- Entering Value Text and Formulas
- Advantages of Using Formula
- Concepts of Cell, Range, Worksheet And Workbook
- Saving, Closing, Opening a workbook
- Creating a New Worksheet
- Moving and Coping Data
- Doing and Undoing Actions
- Inserting and Deleting Columns and rows
- Formatting Worksheet
- Changing Column Width
- Printing the Worksheet
- Setting a Pages and margins and defining header and footer

(2) Unit 2 : Advanced Features of Excel 2000 :

- Creating a Charts
- Using Date and Time
- Functions
Average, Count, Max, Min, Stdev, Var, Sum, Abs, Int, Log, Mod, Round, Sqrt, Auto sum, Fv & Pv, If
- Using Database functions
DMAX, DAVERAGE, DCOUNT,
DMIN, DMIN, DUM, DVAR

(3) Unit 3 : MS Power Point 2000 (Basics) :

- What is power point
- Creating a presentation
- Power point views and running a slide show
- Editing Presentations
- Editing Text including Data
- Printing a presentation

(4) Unit 4: MS Power Point 2000 (Advanced) :

- Customizing your Presentation
- Slide Show
- Working with Slide Object
- Editing Drawing Object
- Editing Line Attributes
- Changing Font Attributes
- Moving and Coping Objects
- Manipulating Objects

- Showing The Presentation
- Enhancing your Slide Show
- Animation and Transitions
- Music, Sound and videos

Basic Textbooks :

- Personal computer, Windows 98 and Microsoft office 2000 Antani Hemang and Shah Keyur, TMH
- PC software for windows 98 mad simple, Taxali R K, TMH

D] Structure of question paper (theory) : (35 Marks Time : Three Hours)

Question No.	Marks	Note	Unit
1	10	Short notes any Two out of Four	One from Each 1,2,3,4
2	15	Write Procedure Any Fifteen out of Eighteen	Five from Each 1,2,3,4
3	05	Short Question Any Five Out of Eight	Two from each Unit
4	05	Multiple Choice Questions Compulsory five MCQ	Minimum one from each unit

[E] Scheme of practical examination :

Time : 3 Hours

Total marks : 35

- Practical based on Excel (One out of two) 12 Marks
- Practical based on Power Point (One out of two) 12 Marks
- Viva 06 Marks
- Journal 05 Marks

Note : Practical should be asked form the list prepared by university.

Basic Readings

- 1) Antani Hemang and Shah Keyur. Persona Computer, Windows 98 and Microsoft office 2000 TMH
- 2) Pandya, Kiran, Bhabhor, N, P. Balsari, Smriti., Computer Application in Economic Analysis. Popular Prakasan, Surat.
- 3) Stephen, Copestake, Excel 97 in easy stops.
- 4) Taxali, R,K. P C Software for Windows 98 made simple. T M H.

Semester-2

Course: 10.4

General Awareness and Reasoning Ability (Inter\Multi Disciplinary Paper)

Preamble:

The objective of the course is to prepare the P.G. students for the competitive Exam and NET- SLET examination. The paper also helpful to student to know about the current national and international events.

- Unit-1: Current events of national and international importance (current Academic Year: June to May), Indian National movement, Maha Gujarat movement, Indian constitution-preamble, fundamental Right, fundamental responsibility , Characteristics of Indian Constitution.
- Unit-2: Sustainable development, concepts and types of Poverty, India's poverty and its reason, Demographics situation of India, Characteristics of Indian population, Introduction of Panchayati Raj, Objectives of India's five year plan, Evaluation of India's five year plan.
- Unit-3: general Science-Introduction of solar system and its important planet, Rotation and revolution of earth, Concepts of earthquake and volcano, Primary introduction of longitude and latitude, Introduction of ocean and continental, Geographical Location of India, Bio- Diversity and climate change.
- Unit-4: Reasoning Ability- analogy, spotting out the dissimilar, series test, Coding and Decoding, alphabet relation test, time related question, Venn diagram, question on mathematics, question on statement, best answer test, question on passage, symbols and notating, direction and distance.

Reference List:

1. Patel Jagdish, General Knowledge Manual, Liberty Publication, Ahmedabad, 2010
2. Lal M.B. & P.K.Mishra, Reasoning Test, Upkar prakashan, New Delhi,2010
3. Trivedi Mahesh M., Geography for Competitive Exam, Atul Prakashan Gandhi Road, Ahmedabad,2007
4. GOVT. of India- A reference annual(Latest), publication division, Ministry of Information and broadcasting, GOI, New-Delhi.
5. Todero Michael P. , Economic Development, Addison-wesley, New-Delhi, 2001
6. GOVT. of India, Yojana-A development monthly,Ministry of I&B., New-Delhi
7. Prtiyogita Darpan.
8. Competition Success Review.
9. GOVT. of India, Economic Survey, Ministry of Finance and Economic Survey.
10. Dutt Rudar & KPM Sundaram, Indian Economy, S.Chand, New- Delhi,2006

Semester- 3

Course-11

PUBLIC FINANCE- I (Compulsory Paper)

PREMBLE:

Role and functions of the Government in an economy have been changing with passage of time. It is necessary for post-graduate students to know principals of public finance and package of policy executed by the State Government and Central Government. Budgetary policy is an important part to understand the basic problems of use of resources, distribution of income, etc. This paper aims to well-equipped P.G. students of Economics about tax system, public expenditure, public debt. and budgetary procedure as stabilization instrument. This paper also explain through understanding of fiscal institutions.

Unit-1

Role of Government in organized society, Private goods, public goods & merit goods, Market failure, Informational Asymmetry – theory of second best, Private and public mechanism for allocating resources, Problems of preference revelation & aggregation of preferences, Voting systems- Arrow impossibility theorem.

Unit-2

Provision of public goods, voluntary exchange models, Impossibility of Decentralized provision of public goods (Contribution of Sanwelson & Musgrave), Demand revealing schemes for public goods(Contribution of leyard), Keynesian case for stabilization policy

Unit-3

Wagner’s law of increasing state activities, Wiseman – peacock hypothesis, Pure theory of public Expenditure, Structure & growth of public Expenditure, Taxation – Theory of incident- alternative concepts of incidents, Benefits & Ability to pay approaches, Theory of optimal taxation, Excess burden of taxation, Trade off between equity & efficiency

Unit-4 Classical view of public debt, Burden of public debt, Sources of public debt, Crowding out of private investments, Public borrowing, Principles of debt management & repayment

Basic Reading:

- 1) Musgrave R.A. & P B Musgrave, Public Finance Theory & practice, McGrawHill.
- 2) J.M Buchahan, The Public Finance .
- 3) C.S. Shoup, Public Finance, Aldine ,Chicago.
- 4) R Jha , Morden Public Economics ,Rutledge .
- 5) A.B. Atkinson & J E. Stiglitz, Lectures on Public Finance.
- 6) R.A. Musgrave & P B Musgrave, The Theory of Public Economics ,Mc GrawHill.
- 7) D.K. , final Federalism in India.
- 8) Hugh Dalton, Principals of Public Finance .

Semester – 3
Course: – 12
International Economics – 1 (Compulsory Paper)

PREMBLE:

International trade acts as an engine of growth. 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.

- Unit – 1** International Trade theory of Comparative Cost Difference , Trade Theory of Heckcher, Leontief Paradox , Opportunity cost approach. Rybzynski Theorem, posner's techonological gap theory, the kravis theory of availability, verson's product cycle theory
- Unit -2** Terms of Trade , Mill's reciprocal Theory of demand, Factors affecting terms of Trade, Trade as an Engine of Growth, Free Trade Policy Vs Protection – merits & Demerits of Protection
- Unit – 3** Optimum Tariffs, Theory of Custom Union, Trade Organizations – GATT, UNCTAD, EEC, W.T.O.
- Unit – 4** International Capital Movements: Factors influencing Capital Movements, classification of international capital movement , Foreign Aid – Bilateral and Multilateral aid , IDR (World Bank) and its Subsidiaries, Importance and Problem of Foreign Aid.

Basic Reading:-

1. Salvatore, D. , Theory and Problems of International Economics, Mc Grow Hill, New York
2. Ellsworth, P.T & Leith, J.C., The International Economy, McMillan, New York, 1975.
3. Bhagvati, Jagdish, International Trade : Selected Readings, MIT Press, Cambridge, 1981.
4. Sodersten, B.O. , international Economics, Routledge, London, 2000.
5. Lakadawala, D.T. and Shah Ramesh , Antarrashtriya Arthshastra (Guj.) University Grant Nirman Board, Ahmedabad.

Semester -3
Course- 13
Theory and Issues of Growth and Development (Compulsory Paper)

PREMBLE:

Economic development is a process under which economics go for several changes. It is necessary for P.G. students in economics to know theories, practices and politics. Most of the development theories reveal process to process to manage development process in developing countries. A student of developing countries like India can be benefited the knowledge of such process.

- Unit -1 Meaning of Growth and development, Factors affecting economic Growth-Capital and Labour, Capital deficiency, Market imperfections, Lack of skilled Labour, Lack of capable Entrepreneur's, Bottlenecks of Infrastructure, Political factors, Natural factors, external factors, vicious circle of poverty; Measures of Development :National Income & per capita income,P.Q.L.I. , Human Development Index.
- Unit -2 Classical Theory of Growth Contribution of Smith, Ricardo, Malthous and J.S. Mill. Role of Technology in economic Growth.
- Unit -3 Growth Models: Harrod and Dommar, Meads Neo classical theory, Mrs. Joan Robinsons model, its applicability for under developing country. Schumpeter's Theory of Growth–Role of Entrepreneurs Development cycle.
- Unit -4 Theory of Critical Minimum Effort –Leibenstein. Nurkes' Balanced Growth Theory, Balanced Growth Vs.Unbalanced Growth. Rostow;s stage of Economic Growth ,Choice of techniques in under developed economies.

Basic Readings:

1. Adleman , Theory of Economic Growth and Development, Stanford University Press, Stanford.
2. Kindle Berger, C.P., Economic Development, MaGrow Hill, New york.
3. Chakrawarti, S., Alternative Approaches to the theory of Economic Growth, Oxford University Press, New Delhi.
4. Meier, G.M. , Leading Issues in Economic Development ,Oxford University Press ,New Delhi.
5. Todaro,M.P.,Economic Development,Addison-Wesley,Delhi.
6. Ahuja,H.L.,Modern Economics,S.Chand,Delhi
7. World Development Reports – World Bank
8. Human Development Reports- U.N.D.P.

Semester – 3
Elective Paper
Course – 14.1 Dissertation

14 (1) Dissertation

Minor Research Work Based on Primary and/or Secondary Data.

(Dissertation should be preparing in 50 to 80 Pages.)

Semester – 3
Elective Paper
Course – 14.2 Project Work

14(2) Project Work

A Research Paper/a Project may be Prepared and Presented in Soft copy as well as hard Copy,(Required Pages 25 to 40 Pages.)

Semester -3
Course -14.3
Economy of Gujarat (Elective Paper)

Preamble:

The objective of the course is to familiarize the P.G. student about the economy of Gujarat. This type of study is very helpful to understand regional problems of natural resources, Industries, agricultural and Infrastructure .

- Unit-1 Natural Resources- Forest, Water and land; water Scarcity and dark zones, Watershed Programmes. Water Management, Multipurpose Water Storage (Narmada, Kalpsor, Kadana, Dharoi, Ukai,), Mines and Mineral.
- Unit-2 Major/Large Industries:- Engineering, Chemical and Pharmaceutical, Cotton and Textile, Cement & Ceramics,. Role of Small Scale Industries and its problems , Foreign investment, SEZ-Special Economic Zone.
- Unit-3 Agricultural Land in agricultural use:-cropped area, cropping pattern, productivity, Fishery and poultry, Horticulture, Dairy and white revolution.
- Unit- 4 : Infrastructure :Energy, Electricity and alternative sources, roads and transportation, Sea-port, Education, Health.

Basic Reading;

- 1) Socio Economic survey. Director Statistical and Economic Beauru, Gandhinagar.
- 2) Statistical Outline.
- 3) Abstract of Gujarat
- 4) Bhatt. B.K.,Economy of gujarat,New Popular Prakashan,Surat,2005.

Semester -3
Course 14.4
Business Environment (Elective Paper)

PREMBLE:

The trade, business and industry is depend upon internal and external environment, which is known as a business environment. Many economic, social, political, cultural, Governmental, global factors are directly concerned with business. Form the study of the whole subject student can know the basic factors which are affected to business., This type of study is very helpful to understand Indian business problems and Indian market situation. Considering this approach the study of business environment and its problems, globalization and Business problems, economic reforms, etc. will be very interesting and useful.

Unit-1 : Nature of Business Environment

- 1.1 Meaning and types of Business Environment
- 1.2 Economic Business environment
- 1.3 Socio-cultural and politico-legal environment
- 1.4 Changing role of government

Unit-2: Indian industries

- 2.1 Structure of Indian Industries
- 2.2 Public sector in India
- 2.3 private sector in India
- 2.4 Medium and Small Enterprises sector

Unit-3: Industrial Policies

- 3.1 Current industrial Policy
- 3.2 Main provisions of industrial policy
- 3.3 Impact of industrial policy
- 3.4 Current Five year plan and Business Policies

Unit-4: Exim policies

- 4.1. India's Foreign trade
- 4.2 New Export and Import policy
- 4.3 impact of Exim policy
- 4.4 Foreign capital and collaborations

Semester-3
Course 15.1

Basic Theories of Environmental Economics (Inter\Multi Disciplinary Paper)

PREMBLE:

This course is 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.

Unit-1: Environmental Economics : Meaning, nature and scope; 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 possibilities of missing markets.

Unit-3: Environment and Development: Relationship between environment and development: Theory of sustainable development and problems of operational sing this theory; indicators 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.

Basic Reading List:

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. Turnor, (1991), Economics of Natural Resource Use and Environment, John Hopkins University, Baitimore.
11. Shankar, U, (Ed.) (2001), Environment Economics, Oxford University Press, New Delhi.

Semester -3

Course 15.2

Rersearch Methodology (Inter\Multi Disciplinary Paper)

Preamble:

The Main objective of this paper is to train students to use the techniques of mathematical and statistical analysis, which are commonly applied to understand and analyze economic problem. The emphasis of this paper is on understanding economic concepts with the help of mathematical methods rather than learning mathematical it self.

- Unit-1: Index Number
Meaning, uses & limitations of index number, construction of index number, price index number, consumer price index number. Laspeyere's Paasche's and Fisher's index number ,Time reversal Test, Factor reversal Test.
- Unit-2 : Testing of Hypothesis
Type-I & II errors, testing of Means, Proportions, equality of population means correlation coefficient, T-Test, F-Test, Chi-Test.
- Unit-3 : Input-Output Analysis and Game Theory
Assumptions, The technological coefficient matrix, closed and open input-output model, equation solution. Basic concepts of game theory, payoff matrix, Zero Sum Game, Maximin and Minimax principle, saddle point, mixed strategy, principle of dominance.
- Unit-4 Time series Analysis
Meaning, Analysis of time series, Components of time series, determination of trend by graphical, moving average and least squares methods. Determination of seasonal variations.

Basic Reading:

1. Mehta-Madnani, Mathematics for Economics, Sultan Chand & sons, New-Delhi
2. R.S.Bhardwaj, Business Statistics, Excel Books, New-Delhi.
3. Das M.N. , Statistical Methods and Concepts,New Age International, Delhi.
4. Gupta, S.P.,statistical methods, S. Chand and Co., Delhi.
5. Kalimantan, K.P., Applied Econometrics, Oxford & IBH. Delhi.
6. Mehta, B.C. and Mehta, A.C. ,Fundamental Econometrics, Himalaya Publishing house, Bombay.
7. Simpson, G and Kafka, fritz. , Basic Statistics, Delhi.
8. Srivastava, U.K. at all. , Quantitative Techniques for Managerial Decision, New Age International, Delhi.

Semester –3

Course 15.3

Computer Application - 3 (Inter\Multi Disciplinary Paper)

(1) Unit 1 : HTML :

- Introduction to Html
- What is HTML, a brief history
- Structure of a Page
- Creating a Simple Web Pages
- All About Links
- Text Formatting with HTML

(2) Unit 2 : Internet :

- What is Internet and its advantages
- WWW, E-mail, Chatting and voice mail, Document transfer
- E-commerce
- B2B and B2C concepts
- Electronic stock market and exchange
- Virus

(3) Unit 3 : MS Access 2000 :

- Introduction to Access 2000
- Database and database management system
- Salient Features of Access 2000
- Screen of Access 2000

(4) Unit 4 : MS Access 2000 :

- Understanding of following Database Objects
- Tables, Queries, Forms and Reports
- Creating a Table in Design View
- Creating a Data Entry Form Using Wizards
- Queries Using Design View
- Creating Report Using Wizards

Basic Text books :

- Antani Hemang and Shah Keur , Personal computer, Windows 98 and Microsoft office 2000 , TMH
- PC software for windows 98 mad simple, Taxali R K, TMH
- Mastering Microsoft Office 2000 D.P.Nagpal, Wheeter Publishing

[D] Structure of question paper (theory) : (35 Marks Time : Three Hours)

Question No.	Marks	Note	Unit
1	10	Short notes any Two out of Four	One from Each 1 ,2,3,4
2	15	Write Procedure Any Fifteen out of Eighteen	Five from Each 1,2,3,4
3	05	Short Question Any Five Out of Eight	Two from each Unit
4	05	Multiple Choice QuestionsCompulsory five MCQ	Minimum one from each unit

[E] Scheme of practical examination :

Time : 3 Hours

Total marks : 35

- Practical based on Internet (One out of two) 12 Marks
- Practical based on Access (One out of two) 12 Marks
- Viva 06 Marks
- Journal 05 Marks

Note : Practical should be asked form the list prepared by university.

Semester -3
Course 15.4:
Gandhian Economics (Inter\Multi Disciplinary Paper)

Preamble:

The main objective of this course is to give information about gandhian thinking on economic issues, and the solution of the same. The country facing many economic problems and issues. This is tearful, fearful and jobless development. We want to jobful, tearless and fear less, balanced, inclusive growth, which is possible through implementation of Gandhian economics. So awareness about this at higher education is essential. We should learn economic and social problems, causes, effects and remedies etc. So this paper is very useful for the student .

- Unit-1: Main and Important Concepts of Gandhian Economics: Consumption behaviour: limited wants and swadeshi, Gandhian vision to rural development, Decentralized Economic system, Value and ethics in Gandhian Economic thought
- Unit-2: Gandhian Thought on rural Industries:
2.1 Importance of Gramodyog,. Productive use of rural skill, Eradicating poverty and unemployment, System for Growth.
- Unit-3: Tearless and fearless development: Importance to labour and protest against machines, Equity and just distribution , Trusteeship principle, Gandhian thinking on gram swaraj.
- Unit-4: Relevancy of Gandhian vision in contemporary time: Globalization swadeshi, Relevance of rural industries , Development of rural sector, Hurdles in implementing Gandhian Economic vision

Basic Reading:

1. Andrews, D.F., Ed., Mahatma Gandhi of work Freeport, New York Book for Libraries, 1971.
2. Bose, N.K., My days with Gandhi, Bombay: orient Longman, 1974
3. Dasgupta, A.K., Economic Theory and Developing Countries, London: Macmillan, 1974.
4. Dutt,R., Economic History of India, London: Routledge, 1901, 1903.
5. Gandhi, M.K., All Men are brothers,(Ed.), krishan kriplani, New York, Continuum, 1982.
6. -----, Autobiography: The story of my Experiments with Truth, beacon, 1957.
7. Kumarappa, J.C., Gandhian Economic Thought, Bombay, Vora & Co., 1951.
8. Maheta, Ved, , Mahatma Gandhi and his Apostles, New York, Penguin, 1977.
9. Saletore,R.N., Early Indian Economic History, London: Curzon press, 1978.
10. Sen, A.K., “ Food Entitlement and economic chain,” in L.F. Newman, (Ed.) , Hunger in History, Oxford: Balckwell, 1990.

Semester – 4
Course-16
Public Finance-II (Compulsory Paper)

PREMBLE:

Role and functions of the Government in an economy have been changing with passage of time. It is necessary for post-graduate students to know principals of public finance and package of policy executed by the State Government and Central Government. Budgetary policy is an important part to understand the basic problems of use of resources, distribution of income, etc. This paper aims to well-equipped P.G. students of Economics about tax system, public expenditure, public debt. and budgetary procedure as stabilization instrument. This paper also explain through understanding of fiscal institutions.

Unit-1

Objectives of fiscal policy, Interdependent of fiscal & monetary policies, Budgetary deficits & its implications, Fiscal policy for stabilization, Alternative measure of resources mobilization & their impact on distribution & prices, Balanced budget multiplier

Unit-2

Principles of multi-unit finance, Evolution of Fiscal federalism in India, Assignment of function & sources of Revenue, Constitutional provisions, Planning Commission and finance commission, Centre-state financial relations in India, Problems of state resources & indebtedness.

Unit -3

Structure of Indian tax System, Major taxes in India, Trends in public expenditure & Public debt.

Unit -4

Analysis of central & state govt. Budgets, Fiscal crisis & fiscal sector reforms in India, Reports of the last Finance commission in India

Basic Reading:

1. Musgrave R.A. & P B Musgrave, Public Finance Theory & practice, McGrawHill.
2. J.M Buchahan, The Public Finance .
3. C.S. Shoup, Public Finance,Aldine ,Chicago
4. R Jha , Morden Public Economics ,Rutledge .
5. A.B. Atkinson & J E. Stiglitz, Lectures on Public Finance.
6. R.A. Musgrave & P B Musgrave, The Theory of Public Economics ,Mc GrawHill.
7. D.K. , final Federalism in India.
8. Hugh Dalton, Principals of Public Finance .

Semester – 4
Course:-17
International Economics – 2 (Compulsory Paper)

PREMBLE:

It is necessary to for P.G. student in economics to know the international trade ,finance and trade managing institutions in era of globalization of national economics. The study of the paper under the present era of globalization will train the student about the likely consequences on income , employment and social standard and possible policy solutions in the 21st century.

- Unit – 1 Balance of Payments: Meaning and Components.
- Different Concept of Equilibrium of B.O.P
 - Factor Causes for Disequilibrium in B.O.P
 - Equilibrium of B.O.P under Gold Standard
 - Devaluation and Depreciation
 - Conditions for Success of Devaluation
- Unit-2: Exchange Rate:– Principles of Exchange Rate Determination(P.P.P. Theory , B.o.p. Theory), Meaning, Merits & Demerits of Fixed and Flexible Exchange Rate , Controls on Foreign Exchange –Objectives & Methods of Exchange Control.
- Unit-3: International Monetary Fund (IMF) : Objectives, Problems – Crises and Reforms in International Monetary System, Special Drawing Rights , Evaluation of IMF, The New International Economic order.
- Unit-4: Foreign Trade Policies in India in Liberalized Economic Scenario, Problems relating foreign Trade in India , Exchange rate Policy of India., Rupee Convertibility .

Basic Reading: -

1. Prebisch, R., Towards a New Trade Policy for Development, United Nations, New York, 1964.
2. Stern, R.M. , The Balance of Payments: Theory and Economics Policy, Aldine, Chicago ,1973.
3. Thriwal, A.P.; Trade, The Balance of Payments and Exchange Rate Policy in Developing Countries ,University of Kent, Catebury, UK, 2004.
4. Bagwati, Jagdish. ,The Pure Theory of International Trade, Economic Journal Vol .74, March ,1964.
5. Cherunilam, F. ,International Economics, Tata Mc Grow Hill Publishing Co., New Delhi.
6. Frankel, J and Johnson H. , The Monetary Approach to the Balance of Payments. ,Allen &Unwin, London ,1975.
7. Greenway, D. , International Trade Policy , Mc Millan Publisher Ltd. ,London ,1983.

Semester -4
Course-18
Planning and Development Policies. (Compulsory Paper)

Preamble:

The objectives of this paper at the Post-Graduate would to sharpen and analytical ability of the students and functioning of Indian Economy with various policies with alternative approaches for further growth. This means that P.G.Students need to be aware about the planning period in India.

- Unit-1: Meaning of underdevelopment , poverty (.absolute and relative poverty, measurement & causes of poverty), Inequalities of Income (Measurement & causes), Population problem (Causes & Effect) and growth pattern of population.
- Unit-2: Market & Market Failure (Reason For market Failure), state & state failure, Role of the state in economic development, Issues of good governance (Idea of effective Government).
- Unit-3: Role of agriculture and industrial in economic development, Inter –Relation between agriculture & industrial development. New technology & sustainable agriculture.
- Unit-4: Objective and strategy of Indian Plan, Resource mobilisation & pattern of investment in Indian Plans, Reviews of Indian Plan Models, Achievements, failures & lessons of planning in India.

Basic Readings:

- 1 Adleman , Theory of Economic Growth and Development. Stanford University Press, Stanford.
- 2 Kindle Berger, C.P. Economic Decelopment Mc. Grow.Hill. New york
- 3 Chakrawarti, S. Alternative Approaches to the theory of Economic Growth, Oxford University Press, New Delhi.
- 4 Meir, G,M. Leading Issues in Economic Development Oxford University Press New Delhi.
- 5 Gove.of India-planning commission,various Five years plan document, New delhi.
- 6 Gove. Of India, Economic surveys,oxford uni. Press, Dilhi.
- 7 World Development Reports – World Bank
- 8 Human Development Reports- U.N.D.P.
- 9 Dholakiya Bakul H & Dholakiya Ravindra H. Arthik Vruddhina Model(Gujarati), Granth Niramn Board, Ahmedabad

Semester – 4
Course – 19-1
Major Environmental Issues (Elective Paper)

PREMBLE:

The main objective 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.

Unit 1: Environmental 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 groundwater 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 and problem of air and water pollution, management of solid and liquid wastes.

Unit-3 International Environmental 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 medical plants, the problem of patenting, trade and environment in WTO system.

Unit-4 Environmental Policy in India;

Growth of environmental policy in India ; important environmental laws, international environmental agreements and India's approach; mechanism of implementation of environmental laws in India.

Basic Reading :

- 1) Baumol, W.J.and Oates, 1998, The Theory of Environmental policy, Cambridge University Prees ,Cambridge.
- 2) Chari, S.N. and vyasalu. Vinod 2000, Environmental management: An Indian Perspective, Macmillan India Ltd.
- 3) Dasgupta , P, and Maller Karl . 1997, The Environment and Emerging Development Issues, Vol-1 and Vol –II, Clarendan Press, Oxford.
- 4) Katar Singh, (1994), Managing Comman Pool Resources: Principles and Case Studies, Oxford University Press.
- 5) Lead India ,(2002), Rio, Johnisburg and Beyond ; India's Progress in Sustainable Development , Orient Longman, New Delhi.
- 6) Ramprasad Sengupta 2001, Ecology and Economics, Oxford University Press.

Semester-4
Course 19.2
Research and Quantitative Methods (Elective Paper)

Preamble:

The Main objective of this paper is to train students to use the techniques of mathematical and statistical analysis, which are commonly applied to understand and analyze economic problem. The emphasis of this paper is on understanding economic concepts with the help of mathematical methods rather than learning mathematical itself.

- Unit-1: Partial Differentiation and Integration
Concept and rules of partial differentiation, Homogeneous function, Euler's theorem for Homogeneous function, Application of Partial derivatives in Economics, Maximization of utility, Cost minimization, Concept and basic rules of Integration. Consumer's surplus and producer's surplus.
- Unit-2: Interpolation and Extrapolation
Meaning and Importance, Methods of Interpolation Newton, Binomial Expansion Lagrange.
- Unit-3: Demographic Method
Meaning and scope of demography,
Uses of demographic statistics,
Methods of collecting demographic statistics.
Simple and standardized death rates.
Infant mortality Rate, Birth Rate, Fertility Rate, Total Fertility Rate
- Unit-4: Operating Research
Meaning, Uses of O.R in industries, limitations, Techniques of O.R., Transportation Problems, North-West corner method, Lest cost method, Vogel Method, Assignment problems, Hungarian method.

Basic Reading:

- 1 Mehta-Madnani, Mathematics fro Economics, sultan chand & sons, New-Delhi
- 2 R.S.Bhardwaj , Business Statistics, Excel Books, New-Delhi.
- 3 Das M.N., Statistical Methods and Concepts, New Age International, Delhi.
- 4 Gupta, S.P., statistical methods., S. Chand and Co., Delhi.
- 5 Kalimantan, K.P. , Applied Econometrics, Oxford & IBH. , Delhi.
- 6 Mehta, B.C. and Mehta, A.C., Fundamental Econometrics, . Himalaya Publishing house, Bombay.
- 7 Simpson, G and Kafka, fritz., Basic Statistics. Delhi.
- 8 Srivastava, U.K. at all. , Quantitative Techniques for Managerial Decision, New Age International. Delhi.

Semester -4
Course- 19.3
Mathematical Economics And Econometrics (Elective Paper)

Preamble :

Applications of economic theory need a reasonable understanding of economic relationships and relevant statistical methods. The econometric theory thus becomes a very powerful tool of applied economic relationships and for meaningful research in economics. This paper accordingly is devoted to equip the students with basic theory of econometrics and relevant applications of the methods. The topics covered in the course include various problems faced in estimation of both single equations and simultaneous equations models.

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

Unit-1: Basic Econometrics :

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

Unit-2 : Problems in Regression Analysis :

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

Unit-3: Regressions with Qualitative Independent Variables :

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

Unit- 4 : Dynamic Econometric Model :

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

Basic Reading List :

- Amemiya, T. (1985) : Advanced Econometrics, Harvard University Press, Cambridge, Mass.
- Baltagi, B. H. (1998) : Econometrics, Springer, New York.
- Dongherty, C. (1992) : Introduction to Econometrics, Oxford University Press. New York.
- Goldberger, A.S.(1998):Introductory Econometrics, Harvard University Press, Cambridge, Mass.
- Gujarati, D. N. (1995) : Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
- Hill R. C, E. G. William and G. G. Judge (1997) : Undergraduate Econometrics, Wiley, New York.
- Kennedy, P. (1998) : A Guide to Econometrics. (4th Edition), MIT Press, New York.
- Kmenta, J. (1997) : Elements of Econometrics (Reprint Edition), University of Michigan Press, New York.
- Koutsoyiannis, A. (1977) : Theory of Econometrics (2nd ed.) The Macmillan Press Ltd., London.

Semester -4
Course -19.4
Economics of Infrastructure (Elective Paper)

PREMBLE:

Infrastructure is a heart of economic development. Without it there is no development. Both types of infrastructure-economic and social infrastructure are needed in the whole development process. So it is inevitable to learn this paper for PG Economics student. It is necessary to know costing and price of infrastructure services for students of economics. The Present course is theoretical showing economic aspects of development and investment in infrastructure. It is showing public and private sector contribution in infrastructure growth. This paper exposes students it issue involved in Infrastructure in developing countries like India.

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 public utilities , cross subsidization –free prices equity and efficiency.

Unit -2 Transportation Economics;

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 standards of services in Telephone and Postal utilities. .

Unit -4 Energy Economics;

Energy & Economic development – Factors determining demand for energy. Effects of energy shortage, costing and pricing of energy – energy conservative renewable and non – conventional sources of energy, optimal energy policy in India –Public private partnership in energy investment and energy development. Infrastructure is a pre- requisite of growth.

Basic Reading

- 1) Centre for Monitoring Indian Economy (1996) India. Energy Sector, CMIE, Mumbai.
- 2) Fariss and R.Saurson (1975) , Public utilities, Hughton Miffin, Boston .
- 3) Govt. Of India (1968), Interim Report on P & T Enquiry Committee. Govt. Of India. , New Delhi.
- 4) Parikh. J. (1997) , Energy Models for 2000 & Beyond, Tata McGrow-Hill , New Delhi.
- 5) World Development Reports, Washington .D,C,
- 6) G.O.I. (1999) , Report on Committee on Power (Raiyadhyaksha Committee), New Delhi.

Semester – 4

Paper 20.1

Economics of Rural Development (Inter\Multi Disciplinary Paper)

- Unit-1 Rural Development :Nature and Scope, Rural Economy of India : Size , Structure and Characteristics of Rural Sector, Role of Agriculture and Allied Sectors, Gandhian Model Of Rural Development.
- Unit -2 Green Revolution and Modernization of Agricultural Sector, White Revolution, od, Co-Operative Dairy, Horticulture, Small Scale and Cottage industries, Agro based Industries – Importance Problem and Policies.
- Unit-3 Rural Financing : Co- Operative Financing, Regional Rural Banks, NABARD Electrification and Non Conventional Sources of Power, Rural Roads, E-Governance, Water And Sanitation – WASMO, Market and Marketing of Rural Product.
- Unit-4 Approaches to Rural Development:
Intensive Agricultural District Programme – S.F.D.A. and M.F.A.L., Draught Prone Area Programme, I.R.D.P., Mahatma Gandhi NAREGA, Self Help Groups - Role of Non- Government organizations.

Basic Reading:

1. Katar Singh (1999), Rural Development – Principles, Policies and Management, Sage Publication, New Delhi.
2. Satyasudaram (1999), Rural Development, Himalaya Publishing House, New Delhi.
3. Bhalla, G.S. (1994), Economics Liberalization and Indian Agriculture (Ed.), Institute for Studies in Industrial Development, New Delhi.
4. John Meller and Gunavat Desai (1986),Agricultural Change and Rural Poverty, Oxford Uni Press , Bombay.
5. NABARD,Review of Working of Regional Rural Banks change,GOI , New Delhi. Plan Documents, GOI New Delhi.

Semester-4 **Course-20.2**

Demography (Inter/Multi Disciplinary Paper)

Unit -1 Population and Development:

Meaning and scope of demography, Components of population growth and their inter dependence; Measures of population change ; Structure, distribution and Sources of population data, Malthus's theories of population, Optimum theory of population. Theory of demographic transition- Views of Medows, Enke and Simon; Population and development

Unit -2 Structure of Population:

Population trends in the twentieth century, Population explosion –Threatened or real Distant or imminent; international aspects of population growth and distribution, Pattern of age and sex structure in more developed and less developed countries, Determinants of age and sex structure, Demographic effects of sex and age structure, economic and social implications, Age pyramids and projections- individual aging and population aging.

Unit -3 Fertility, Nuptiality and Mortality:

Importance of study of fertility- Total fertility rate, Gross reproduction rate and net reproduction rate, levels and trends of fertility in more and less developed countries. Factors affecting fertility –Socio- economic factors. Economic status ,Health, Education, Nutrition, Caste religion, race, region, rural-urban and status of husband and wife, Nuptiality- concept and analysis of marital status. Single mean age of marriage. Trends in age of marriage. Mortality, Death rates. Crude and age- specific, Mortality at birth and Intact mortality, factors for decline in mortality in recent phase, life table, construction and uses –concepts of stable population, Methods of population projection.

Unit -4 Population Policy in India:

Evolution of population policy in India. The shift in policy from population control to family welfare, to women empowerment. Family planning strategies and their outcomes. Reproductive Health, maternal nutrition and child health policies, population and strategies for human development of different social groups, social impact of new reproductive technologies and their regulation. The new population policy, Tasks before the National population commission.

Basic Reading

1. Bogue, D.J. (1971) , Principles of Demography, John Wiley, New York.
2. Chenary H, and T.N.Srinivasan (Eds) (1989), Hand Book Of Development Economics, Vol. 1 & 2, Elsevier.
3. Choubey, P.K. (2000), Population Policy in India, Kanishka Publications.
4. Sryrock, H. Et, al. (1973), The Methods and Materials of Demography, Us Department of commerce, Washington, D.C.
5. United Nation (1973) , The Determinants and consequence of population Trends, Vol. 1 UNO Publications, New York.

Semester –4
Course 20.3
Computer Application - 4 (Inter\Multi Disciplinary Paper)

(1) Unit 1 : SPSS :

- Starting SPSS
- Entering Value in Worksheet
- Descriptive Statistics
 - Frequency Distributions
 - Table and Cross Tabulation
 - Mean, Median, Mode, Standard Deviation

(2) Unit 2 : SPSS :

- Correlation
- Regression
- Covariance and Auto Covariance
- Hypothesis Testing T-Test, F-Test (Anova)
- Creating Charts

(3) Unit 3 : Explain :

- ATM Bug Virus Password
- Byte Bit Web Modem
- Program Flochart Boot POST
- Backup LAN WAN MAN
- ASCII

(4) Unit 4 : Installation :

- Installing Basic Software Like MS Office
- CD Burning Software Installation
- Installing or Adding Printer
- Installing or Adding Fonts
- Installing Sound Drivers
- Installing Drivers for Any Hardware
- Installing New Software and Removing Them using with Control Panel

Basic Text books :

- Personal computer, Windows 98 and Microsoft office 2000 Antani Hemang and Shah Keur, TMH
- PC software for windows 98 mad simple, Taxali R K, TMH
- Mastering Microsoft Office 2000 D.P.Nagpal, Wheeter Publishing

[D] Structure of question paper (theory) : (35 Marks Time : Three Hours)

Question No.	Marks	Note	Unit
1	10	Short notes any Two out of Four	One from Each 1 ,2,3,4
2	15	Write Procedure Any Fifteen out of Eighteen	Five from Each 1,2,3,4
3	05	Short Question Any Five Out of Eight	Two from each Unit
4	05	Multiple Choice Questions Compulsory five MCQ	Minimum one from each unit

Note : Questions should be based on basic textbook only.

[E] Scheme of practical examination :

Time : 3 Hours

Total marks : 35

- Practical based on SPSS (One out of two) 12 Marks
- Practical based on Installation (One out of two) 12 Marks
- Viva 06 Marks
- Journal 05 Marks

Note : Practical should be asked form the list prepared by university.

Semester 4

Course: 20.4

Economics of Social Sector (Inter\Multi Disciplinary Paper)

Unit-1:

Education, Health and Development Capability and Empowerment Approaches, Education and Health as public goods, Role of the State: Market excluding and market complementary interventions, Role of Voluntary sector: Education, Health and Human Development.

Unit:2

Economics of Education: Human Capital Vs Physical Capital, Demand for Education: Private demand social Demand, determinants of social demand of Education, Costs of education: Private and Social Costs. Wastages and stagnation in education, Benefits of Education: Private and social benefits analysis of Education.

Unit:3

Education and Human Resource — Resource mobilization in Education: Pricing Problem in Education, Role of grant and Subsidies on income distribution, Education and employment, Education as a business: Private sector investment and foreign Institutes.

Unit:4

Economics of Health: Health dimensions of development, Determinants of Health: Poverty, malnutrition and environmental issue, Economic dimensions of health care: Demand supply of healthcare, resource constraints in healthcare and delivery, inequalities in health: Class and gender perspectives.

Basic Reading:

1. Borman, P (ed) (1.995), Health sector performs in Developing countries: Making health development sustainable, Harvard series on population and international Health
2. Blaug, M(1992) , Introduction to Economics of Education, Blackwell, London
3. Klarman, HE. (1965), Economics of Health, Cambridge University Press, New York
4. Government of India (1982), Statement on National Health Policy, New Delhi.
5. Government of India (1982), National Policy on Education.
6. Government of India, Health Information of India