

**Tilak Maharashtra Vidyapeeth**

**(Deemed University)**

Vidyapeeth Bhavan, Gultekdi, Pune-411037

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**Department of Economics**

# **Syllabus**

**Master of Arts (M.A.)**  
**(Regular and external mode)**

**Semester System with Credits**  
**and**  
**Continuous Internal Evaluation**  
**System**

**Year of Implementation: 2015-16**

**CONTENT**

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01.	MICRO ECONOMIC ANALYSSI-I	ECBCS-111	
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03.	ECONOMICS OF AGRICULTURE-I	ECBCS-113	
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06.	DEMOGRAPHY-I	ECBCS-316	
07.	SOCIOLOGY OF GLOBALIZATION-I	SCBCS-317	
08.	LOCAL SELF GOVERNMENT IN INDIA-I	PCBCS-318	
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03.	ECONOMICS OF LABOUR-II	ECBCS-413	
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06.	DEMOGRAPHY-II	ECBCS-416	
07.	SOCIOLOGY OF GLOBALIZATION-II	SCBCS-417	
08.	LOCAL SELF GOVERNMENT IN INDIA-II	PCBCS-418	

**Tilak Maharashtra Vidyapeeth, Pune**  
(Deemed University)

**Department of Economics**

**Syllabus for M. A. (Economics) Course**

(Revised Syllabus Introduced in the year 2015-16 with **Semester System with Credits and Continuous Internal Evaluation System**) (For Regular and External Mode)

**General Objectives of the Course:**

- (i) To impart high quality of education to the students,
- (ii) To prepare the students for variety of challenging careers through innovation in teaching and research, and
- (iii) To develop comprehensive understanding of interdisciplinary issues of society.

**Instructions for M.A. Students (Regular and External Students)**

***1. Curriculum for Regular and External students:-***

M.A. Course will be divided into four semesters. Examination will be held at the end of each Semester. The course structure has been designed on the basis of credit base with continuous internal evaluation system as per the guidelines of the University Grants Commission, New Delhi. This course includes internal and external evaluation in the ratio of 40:60. The details of the course structure have been given below.

***2. Duration of Syllabus :-***

In case of any change in partial or full syllabus of the course, the examination of the previous syllabus will be conducted only for three consecutive times and the repeaters should clear their backlog of the previous syllabus within these three examinations.

***3. Evaluation:-***

***Credit System for Regular and External Students***

Both, regular and external students for M.A. course should note that a new credit system (Semester Pattern) is being introduced with effect from the academic year 2015-16. The student must appear for 16 papers in two years. They should contact their respective departments to get the syllabus and necessary information.

The scheme of the examination will be divided into internal and external assessment for 40% and 60% marks respectively. The minimum passing marks in each mode of evaluation will be 40%,.

***4. Course and Papers for M.A. (Regular)***

- Four Papers Per Semester
- Sixteen Papers for entire course.
- Three Groups of Papers :-

**Group 1 - Core Papers (2 Papers)****Group 2 - Discipline Elective Papers (Any One Paper)****Group 3 - Generic Elective Papers (Any One Paper)**

- Sixty percent marks for term end examination and 40% marks for internal assessment. (Total 100 marks per paper)
- The term-end examination will be based on theory syllabus and will be held at the end of each Semester.
- Internal assessment will be done in four stages in each semester as a process of continuous assessment. This includes as below

Method of Internal Assessment (each semester)	Total Marks
Four Assignments per paper	40 marks
OR	
Four Book Reviews/Article Reviews per paper	40 marks

*Note: Students must contact the department at the beginning of the semester for the selection of internal assessment method.*

- Student can give backlog of internal and theory examination as per the rules.
- There shall be revaluation of Semester end examination (Theory examination) but not internal assessment papers. However, internal assessment answer books may be shown to the students concerned.

**5) Papers for M.A. (Semester- I, II, III and IV)**

The papers for M.A. Economics are as below-

**PAPERS FOR M.A. ECONOMICS COURSE FOR REGULAR STUDENTS  
(FOUR SEMESTERS)**

Sr. No.	Title of Subject	Subject Code	Hours
<b>CORE PAPERS (TWO PAPERS COMPULSORY)</b>			
01.	MICRO ECONOMIC ANALYSSI-I	ECBCS-111	6
02.	ECONOMICS OF GROWTH AND DEVELOPMENT-I	ECBCS-112	6
<b>DISCIPLINE ELECTIVE PAPERS (ANY ONE PAPER)</b>			
03.	ECONOMICS OF AGRICULTURE-I	ECBCS-113	6
04.	ECONOMICS OF INDUSTRY-I	ECBCS-114	6
<b>GENERIC ELECTIVE PAPERS (ANY ONE PAPER)</b>			
05.	ECONOMICS OF ENVIRONMENT-I	ECBCS-115	6
06.	ECONOMICS OF INFRASTRUCTURE-I	ECBCS-116	6
07.	ETHICAL STUDIES-I	ECBCS-117	6
08.	RURAL SOCIOLOGY-I	SCBCS-118	6
	TOTAL		24

**M.A. (Economics)- Semester – II ( For Regular and External Mode)**

Sr. No.	Title of Subject	Subject Code	Hours
<b>CORE PAPERS (TWO PAPERS COMPULSORY)</b>			
01.	MICRO ECONOMIC ANALYSSI-II	ECBCS-211	6
02.	ECONOMICS OF GROWTH AND DEVELOPMENT-II	ECBCS-212	6
<b>DISCIPLINE ELECTIVE PAPERS (ANY ONE PAPER)</b>			
03.	ECONOMICS OF AGRICULTURE-II	ECBCS-213	6
04.	ECONOMICS OF INDUSTRY-II	ECBCS-214	6
<b>GENERIC ELECTIVE PAPERS (ANY ONE PAPER)</b>			
05.	ECONOMICS OF ENVIRONMENT-II	ECBCS-215	6
06.	ECONOMICS OF INFRASTRUCTURE-II	ECBCS-216	6
07.	ETHICAL STUDIES-II	ECBCS-217	6
08.	RURAL SOCIOLOGY-II	SCBCS-218	6
	<b>TOTAL</b>		<b>24</b>

**M. A. Part-II (Semester-III) to be introduced w.e.f. June 2016-17**

Sr. No.	Title of Subject	Subject Code	Hours
<b>CORE PAPERS (TWO PAPERS COMPULSORY)</b>			
01.	MACRO ECONOMIC ANALYSSI-I	ECBCS-311	6
02.	RESEARCH METHODOLOGY	ECBCS-312	6
<b>DISCIPLINE ELECTIVE PAPERS (ANY ONE PAPER)</b>			
03.	ECONOMICS OF LABOUR-I	ECBCS-313	6
04.	PUBLIC ECONOMICS-I	ECBCS-314	6
<b>GENERIC ELECTIVE PAPERS (ANY ONE PAPER)</b>			
05.	GENDER AND DEVELOPMENT-I	ECBCS-315	6
06.	DEMOGRAPHY-I	ECBCS-316	6
07.	SOCIOLOGY OF GLOBALIZATION-I	SCBCS-317	6
08.	LOCAL SELF GOVERNMENT IN INDIA-I	PCBCS-318	6
	<b>TOTAL</b>		<b>24</b>

**M. A. Part-II (Semester-IV) to be introduced w.e.f. June 2016-17**

Sr. No.	Title of Subject	Subject Code	Hours
<b>CORE PAPERS (TWO PAPERS COMPULSORY)</b>			
01.	MACRO ECONOMIC ANALYSIS-II	ECBCS-411	6
02.	DISSERTATION *	ECBCS-412	6
<b>DISCIPLINE ELECTIVE PAPERS (ANY ONE PAPER)</b>			
03.	ECONOMICS OF LABOUR-II	ECBCS-413	6
04.	PUBLIC ECONOMICS-II	ECBCS-414	6
<b>GENERIC ELECTIVE PAPERS (ANY ONE PAPER)</b>			
05.	GENDER AND DEVELOPMENT-II	ECBCS-415	6
06.	DEMOGRAPHY-II	ECBCS-416	6
07.	SOCIOLOGY OF GLOBALIZATION-II	SCBCS-417	6
08.	LOCAL SELF GOVERNMENT IN INDIA-II	PCBCS-418	6
	TOTAL		24

\* 60 Marks for Dissertation and 40 Marks for Viva-Voce

**6. Credit Scheme:-**

- Six credits per paper
- Twenty Four credits per semester
- Ninety Six credits for the entire course
- Seventy Two teaching hours per paper per semester.
- Twelve teaching hours per unit per paper.
- Six units for each paper per semester
- Four teaching hours per paper per week.

**7. Schedule of Examinations:-*****For Regular and External students***

- Semester – end examination will be held twice in a year in the months of December and May each year.
- Internal assessment will be done during each semester as a part of continuous assessment.

## **Syllabus for M.A. (Economics) Course**

**(For Regular and External Mode)**

**(Semesters System with Credit Base)**

### **LIST OF PAPERS FOR SEMESTER I AND II**

Sr. No.	Subjects/Papers	Subject Code
<b>First Semester</b>		
01.	MICRO ECONOMIC ANALYSSI-I	ECBCS-111
02.	ECONOMICS OF GROWTH AND DEVELOPMENT-I	ECBCS-112
03.	ECONOMICS OF AGRICULTURE-I	ECBCS-113
04.	ECONOMICS OF INDUSTRY-I	ECBCS-114
05.	ECONOMICS OF ENVIRONMENT-I	ECBCS-115
06.	ECONOMICS OF INFRASTRUCTURE-I	ECBCS-116
07.	ETHICAL STUDIES-I	ECBCS-117
08.	RURAL SOCIOLOGY-I	SCBCS-118
<b>Second Semester</b>		
01.	MICRO ECONOMIC ANALYSSI-II	ECBCS-211
02.	ECONOMICS OF GROWTH AND DEVELOPMENT-II	ECBCS-212
03.	ECONOMICS OF AGRICULTURE-II	ECBCS-213
04.	ECONOMICS OF INDUSTRY-II	ECBCS-214
05.	ECONOMICS OF ENVIRONMENT-II	ECBCS-215
06.	ECONOMICS OF INFRASTRUCTURE-II	ECBCS-216
07.	ETHICAL STUDIES-II	ECBCS-217
08.	RURAL SOCIOLOGY-II	SCBCS-218

**SEMESTER- I**

<b>ECBCS -111</b>	<b>MICRO ECONOMIC ANALYSIS – I</b>
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**Preamble:** This paper analyses the economic behaviour of individuals, firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumer behaviour and demand analysis, production theory and behaviour of costs, the theory of traditional markets and equilibrium of firm in modern non-profit maximising framework.

<b>Unit No.</b>	<b>Title of the topics/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Consumer Theory</b>	<b>6</b>
	Concept and measurement of utility – cardinal and ordinal; Marginal Utility Theory; Indifference Curve Approach; Income and price expansion path; Income and substitution effects: Slutsky and Hicks' approaches; Theory of Revealed Preference; Concept of Elasticity of Demand – Price, income and cross elasticity; Concept of Consumer's Surplus.	
<b>II</b>	<b>Production Theory</b>	<b>6</b>
	Production function: one input, two inputs, short run and long run; Law of Variable Proportions; Law of Returns to Scale; Cobb-Douglas Production Function; Producer's equilibrium with one and two inputs; Concept of producer's surplus.	
<b>III</b>	<b>Cost Theory</b>	<b>6</b>
	Cost curves: Total, average and marginal cost curves; Short and long run costs; Economist's concept of costs; Derivation of supply curve of firm and industry; Short run and long run supply curves.	
<b>IV</b>	<b>General Equilibrium</b>	<b>6</b>
	Partial and General equilibrium; Walras' general equilibrium model; Stopler-Samuelson Theorem; Rybczynski Theorem.	
<b>V</b>	<b>Market Structures – I</b>	<b>6</b>
	Perfect Competition – Features; Short and long run equilibrium of firm and industry; Price and output determination, supply curve; Monopoly – Features; Short and long run equilibrium; Price discrimination; Monopolistic competition – Features; Short and long run equilibrium of firm and group with product differentiation and selling costs; Excess capacity under monopolistic competition.	
<b>VI</b>	<b>Market Structures – II</b>	<b>6</b>
	Oligopoly – Features; Collusive and non-collusive oligopoly; Cartels and mergers; Kinked demand curve; Duopoly – Features; Cournot and Edgeworth models; Monopsony and Bilateral Monopoly.	

**References:**

- Gravelle and Rees (2004): *Microeconomics*, Pearson Education Ltd., New Delhi.
- Kreps David (1990): *A Course in Microeconomic theory*, Princeton University Press, Princeton.
- Koutsoyiannis A (1979): *Modern Microeconomics*, Macmillan Press, London.
- Ahuja, H L (2011): *Advanced Economic Theory*, S Chand and Co., New Delhi.
- Ahuja H L (2011): *Modern Microeconomics*, S Chand and Co., New Delhi.
- Sen A (1999): *Microeconomics: Theory and Applications*, Oxford University Press, New Delhi.
- Hiershleifer J and A Glazier (1997), *Price Theory and Applications*, Prentice Hall of India, New Delhi
- Stigler J. (1996), *Theory of Price* (4<sup>th</sup> Edition), *Price Theory and Applications*, Prentice Hall of India, New Delhi
- Patil Krishnarao (1998), *Uchchatar Aarthik Siddhant: Vyashti Vivechan*, Sri Mangesh Prakashan, Nagpur (marathi)
- Mahaj, Jahagirdar (2003), *Sookshma Arthashastra*, Vidya Prakashan, Nagpur

ECBCS-112	<b>ECONOMICS OF GROWTH AND DEVELOPMENT – I</b>
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**Preamble:** The study of economic development has gained importance because of sustained interest in the developing countries in uplifting their economic conditions by restructuring their economies to acquire greater diversity, efficiency and equity in consonance with their priorities. The topics incorporated in this paper are devoted to the theories of growth and development, social and institutional aspects of development, importance of agriculture and the rationale and pattern of industrialisation in developing countries

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Economic Growth and Economic Development-I</b>	<b>6</b>
	Meaning and characteristics of economic growth; Meaning and Characteristics of economic development;	
<b>II</b>	<b>Economic Growth and Economic Development-II</b>	<b>6</b>
	Economic and non-economic factors affecting economic development; Characteristics of developed and developing economies; Obstacles to economic development	
<b>III</b>	<b>Human Development</b>	<b>6</b>
	Concept of human development; Components of human development; Measurement of human development – Human development index, Gender related development index, Gender empowerment measure, Human poverty index.	
<b>IV</b>	<b>Models of Development</b>	<b>6</b>
	Harrod and Domar Model; Neoclassical growth models – Solow and Meade; Joan Robinson’s growth model	
<b>V</b>	<b>Theories of development- I</b>	<b>6</b>
	Classical theories of development: Adam Smith, Ricardo, Malthus and J S Mill.; Marx’s theory of development; Schumpeter’s theory of development; Theory of circular causation – Myrdal; Theory of unlimited supply of labour – Lewis	
<b>VI</b>	<b>Theories of development- II</b>	<b>6</b>
	Big push theory – Rosenstein-Rodan; Theory of balanced growth – Nurkse; Theory of unbalanced growth – Hirschman; Theory of stages of economic development – Rostow; Theory of technical dualism – Higgins ; Theory of social development – Boeke; Dependency theory of development	

**References:**

- Misra SK and V K Puri (2010): *Economics of Development and Planning*, Himalaya Publishing House, Mumbai.
- Jhingan, M L (2010): *The Economics of Development and Planning*, Vrinda Publishers (P) Ltd., Delhi.
- Kindleberger C P (1977): *Economic Development*, McGraw Hill, New York.
- Meier, G M (1995): *Leading Issues in Economic Development*, Oxford University press, New Delhi.
- Todaro M P (1996): *Economic Development*, Orient Longman, London
- Higgins B. (1959), *Economic Development*, W.W. Norton Publisher, New York
- Patil J.F and Tamhankar (1990), *Vikaas Va Niyojanache Arthashastra*, Phadake Prakashan, Kolhapur
- Kurulkar and Ektate (1991), *Vikaasache Arthashastra*, Vidya Prakashan, Nagpur
- Deshpande S.R. (1993), *Bharatiya Niyojan Va Aarthik Vikaas*, Vidya Prakashan, Nagpur

**DISCIPLINE ELECTIVE PAPERS (ANY ONE)**

<b>ECBCS-113</b>	<b>ECONOMICS OF AGRICULTURE – I</b>
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**Preamble:** The objective of this paper is to provide a detailed treatment of issues in agricultural economics to those intending to specialize in this area. Its objective is to familiarize students to analyze the issues related with agricultural and economic development, agricultural production function, agricultural demand and supply, marketing and prices, agricultural finance, using basic micro-economic concepts.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Introduction to Agriculture</b>	<b>6</b>
	Meaning, Nature and Scope of Agriculture economics; Place of Agriculture in Indian Economy; Place of Agriculture in Maharashtra's Economy; Agricultural Productivity ; Agricultural development under five year plans; Interdependence between agriculture and industry	
<b>II</b>	<b>Theories of Agriculture</b>	<b>6</b>
	Shultz's theory of Agricultural Transformation; Mellor's Model of Agricultural Development; Boserup's theory of Agricultural Development; Arthus Lewis theory of Unlimited Supplies of Labour ; Ranis-Fei model	
<b>III</b>	<b>Agricultural Production</b>	<b>6</b>
	Law of diminishing returns- stages of production ; Optimum use of inputs; New technology and shift in production function; Resource Combination: factor-factor relationship; substitute; compliments; optimum factor combination ; Product Combination: Product relationship; optimum product combination.	
<b>IV</b>	<b>Farming System</b>	<b>6</b>
	Peasant Farming; Capitalist Farming; State Farming; Cooperative farming and Contract Farming	
<b>V</b>	<b>Land Reforms in India</b>	<b>6</b>
	Need of Land Reforms in India; Abolition of Intermediary System; Tenancy Reforms; Ceiling on Land holdings ; Critical Evaluation of Land Reforms.	
<b>VI</b>	<b>Special Economic Zone Policy</b>	<b>6</b>
	Meaning, features, benefits; review of SEZ policy; performance of SEZ	

**References:**

- Soni R.N. (1992), *Leading Issues in Agricultural Economics*, S. Chand and Co., Jalandhar
- Datt R. & K.P.M. Sundharm (2007) *Indian Economy*, S. Chand & Co. Ltd, .New Delhi.
- Misra S.K. & V.K.Puri (2007) *Indian Economy – Himalaya Publication House Mumbai.*
- Dewett Kewal (2005), *Indian Economy C.Chand & Co. Ltd. New Delhi*
- M.P. Singh (2004) *Indian Economy Today – Problems Planning and Development.*  
Deep and Deep Publication.
- Singh Acharya, Sagar(2002), Vol. I & II *Sustainable Agricultural Poverty and Food  
Securities*, Rawat Publication Jaypur
- Gulati & Kelley (1999), *Trade Liberalization of Indian Agriculture*, Oxford University Press,  
London
- Papola T.S. (1982), *Rural Industrialization in India*, Himalaya Publishing House, New Delhi
- Bharadwaj K (1996), *Production Conditions in Indian Agriculture*, Cambridge University  
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- Raykhelkar and Dange (1992), *Bharatiya Aarthavyavasha*, Mehta Prakashan, Pune
- Vijay Kavimandan (1989), *Krishi Aarthashastra*, Mangesh Prakashan, Nagpur
- Desai and Bhalerao (2010), *Bharatiya Aarthvyavastha*, Nirali Prakashan, Pune

<b>ECBCS-114</b>	<b>ECONOMICS OF INDUSTRIES – I</b>
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**Preamble:** This paper 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 economics of industry in a analytical manner, particularly in the Indian context

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Unit 1: Introduction</b>	<b>6</b>
	Industrial Economics: Meaning, Scope, Need & Significance ; Introduction to concepts: plant, firm, business house, industrial sector	
<b>II</b>	<b>Structure of Firm</b>	<b>6</b>
	Organizational structure of a firm : single proprietorship; partnership; joint; public; private; corporation	
<b>III</b>	<b>Theories of Firm</b>	<b>6</b>
	Objective of firm; theories of growth of firms : Sales and Growth maximization hypothesis; Determinants of size and profitability ; Types of costs: U-shaped and L-shaped – Cost curves – ; Depreciation	
<b>IV</b>	<b>Theories of Industrial Location</b>	<b>6</b>
	Factors Influencing Location of Industries.; Theories of Industrial Location: Weber and Sargent Florence; Industrial Imbalance, Causes and Measures; Need for Balanced Regional Development of Industries	
<b>V</b>	<b>Investment Decisions</b>	
	Methods of evaluating investment expenditure ; Social Cost Benefit Analysis;Balancing private and social returns	<b>6</b>
<b>VI</b>	<b>Industrial Finance</b>	<b>6</b>
	Sources of Finance; Ratio analysis-Sensitivity Analysis; Inflation accounting Capital Structure; Optimum Capital Structure.	

**References:**

- Ahluwalia I. J. (1985), *Industrial Growth in India- Stagnation Since Mid-Sixties*, Oxford University Press,
- Hay and Morris D. J. (Latest), *Industrial Economics- Theory and Evidence*, Oxford University Press.
- Koutsoyiannis A. (1998), *Modern Microeconomics*, ELBS/Macmillan, Hong Kong.
- Mohanty, Binode, (1991), (Ed.) *Economic Development Perspectives*, Vol. 3, Public Enterprises and Performance, Common Wealth Publishers, New Delhi
- Mookherjee Dilip, (1998), (Ed.) *Indian Industry-Policies and Performance*, Oxford University Press, Delhi.
- Pandey I M., (2000), *Financial Management*, Vikas Publishing House Pvt. Ltd., New Delhi.
- Shepherd W. C. (1985), *The Economics of Industrial Organization*, Prentice Hall, Inc., London.
- Vepa R. K. (1988), *Modern Small Industry in India*, Sage Publications.
- Barthwal R.R. (1985) , *Industrial Economics* , Wiley Eastern Ltd., New Delhi. Cherunilam, F. (1994) , *Industrial Economics : Indian Perspective* (3rd Edition), Himalaya Publishing House, Mumbai.
- Desai, B. (1999), *Industrial Economics in India* (3rd Edition), Himalaya Publishing House, Mumbai.
- Divine , P.J. and R.M. Jones et. al.(1976), *An Introduction to Industrial Economics*, George, Allen and Unwin Ltd., London.
- Government of India , *Economic Survey* (Various Issues).
- Hay D. and D.J. Morris (1979) , *Industrial Economics Theory and Evidence*. Oxford University Press, New Delhi.
- Kuchhal S.C. (1980) , *Industrial Economy of India* (5th Edition) , Chaitanya Publishing Houses, Allahabad.
- Singh, A and A.N. Sandhu (1988) , *Industrial Economics*, Himalaya Publishing House,Bombay.
- Desai and Bhalerao (2010), *Bharatiya Aarthvyavastha*, Nirali Prakashan, Pune
- Desai and Bhalerao (2000), *Bharatatil Audyogik Aarthvyavastha*, Nirali Prakashan, Pune

<b>ECBCS-115</b>	<b>ECONOMICS OF ENVIRONMENT – I</b>
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**Preamble:** Due to the speedy growth of industries and population, there is an increasing demand for environmental resources. The free goods in nature have now become the most expensive goods in the economy. The various types of pollution have created problems for human beings as well as the biosphere. This paper highlights the causes of pollution, its economic impact and the role of government, NGOs, etc., in environment protection.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Introduction to Economics of Environment</b>	<b>6</b>
	Economics of Environment: Definition and Scope; Depletion of common property resources and its impact ; Loss of bio-diversity ; Economic Development and Environmental Problems	
<b>II</b>	<b>Industrial Development and Environmental Problems-I</b>	<b>6</b>
	Industrial Development in India: Growth and Trends; major industries and its performance	
<b>III</b>	<b>Industrial Development and Environmental Problems-II</b>	<b>6</b>
	Water pollution ; Air Pollution ; Noise Pollution ; Depletion of ozone layer; Green House Effects; Environment friendly size of firm; Limits to growth theory.	
<b>IV</b>	<b>Agricultural Development and Environmental Problems-I</b>	<b>6</b>
	Indian Agriculture: technological Changes; Growth and Trends; major crops	
<b>V</b>	<b>Agricultural Development and Environmental Problems-II</b>	<b>6</b>
	impact on environment – Excess use of water, fertilizers and pesticides; Concept of natural farming ; Economics of large sized dams and their impact on Environment; Causes of forest depletion and its impact on Environment; Significance of social forestry	
<b>VI</b>	<b>Role of various sectors in Environmental Protection</b>	<b>6</b>
	Role of Public Sector in Environmental Protection; Role of Private Sector in Environmental Protection; Role of Co-operative sector in Environmental Protection; Role of NGOs in Environmental Protection; WWF and Environmental Protection; Chipco Movement	

**References:**

- Baumol, W. J. & W. E. (1997), *The Theory of Environmental Policy*, Prentice Hall, Englewood-Cliffs.
- Bhardwaj, R. (1983), *Managing Limits to Growth*, Asian and Pacific Development Centre, Kula Lumpur.
- Dorfman, R. & N. Dorfman (Eds.) (1977), *Economics of the Environment*, W. W. Norton, New York.
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<b>ECBCS-116</b>	<b>ECONOMICS OF INFRASTRUCTURE – I</b>
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**Preamble:** This course sets out the main principles in Economics of Infrastructure. It not only provides the basic economic concepts but also attempts to examine these from a practical viewpoint. Infrastructure plays a vital role in the economic development of a country. This paper aims to expose the student to issues related to development of physical as well as social infrastructure with special focus on India.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Nature and pricing of infrastructure</b>	<b>6</b>
	Components of infrastructure: Social and physical infrastructure; Infrastructure as a public good; Special characteristics of public utilities; The peak load-off load problem; Role of infrastructure in economic development; Pricing of infrastructure: marginal cost pricing and other methods of pricing; Cross-subsidisation – equity and efficiency arguments.	
<b>II</b>	<b>Transport</b>	<b>6</b>
	Components of a transport system: road, rail, air and water transport. Characteristics, advantages and disadvantages of each; Relationship between transport services and economic development; Role of public policy in transport: rationale of government intervention.	
<b>III</b>	<b>Transport in India-I</b>	<b>6</b>
	Indian road system: Types of roads; Growth of road network; Importance of road network in India; Problems of road sector in India. Indian railways: Growth of railway network; Evaluation of financial and operational performance of Indian Railways;	
<b>IV</b>	<b>Transport in India-II</b>	<b>6</b>
	Water transport: Types, importance and problems of water transport in India; Air transport: Types, importance and problems of air transport in India; Transport policy in India: Nationalisation/Privatisation of transport sector; Need for privatisation; Limitations of privatisation policy	
<b>V</b>	<b>Communications-I</b>	<b>6</b>
	Telephone utilities: Pricing in telephone utilities; Spread of telephone network and current problems in India; Measures to solve problems;	
<b>VI</b>	<b>Communications-II</b>	<b>6</b>
	Postal services: Characteristics of postal services; Criteria for fixation of postal rates; Growth and problems of postal services in India; Measurement of standards of service in telephone and postal utilities	

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<b>ECBCS-117</b>	<b>ETHICAL STUDIES – I</b>
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**Preamble:** This course specially designed for the students of economics. Ethics is the basic foundation for all subjects under social sciences. The student of economics should understand the basic understanding about ethics and its application in the society. This paper can be related to modern economics.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Introduction to Ethics</b>	<b>6</b>
	Definition of ethics; nature of the science of ethics; scope of ethics; end and utility of ethics	
<b>II</b>	<b>Ethics and Other Social Sciences</b>	<b>6</b>
	Ethics and psychology; ethics and sociology; ethics and politics; ethics and metaphysics; ethics and theology	
<b>III</b>	<b>Moral and Non-moral Actions</b>	<b>6</b>
	Meaning of terms: ‘moral’, ‘non-moral’ and ‘immoral’; voluntary action; moral evil and natural evil; sin and error	
<b>IV</b>	<b>Moral Consciousness</b>	<b>6</b>
	Meaning of moral consciousness; content of moral consciousness; characteristics of moral consciousness; moral sentiment; notions of good and bad, right and wrong.	
<b>V</b>	<b>Moral Judgement and its Postulates</b>	<b>6</b>
	Nature and method of moral judgement; object of moral judgement; postulates of moral judgement-personality, reason and self determination	
<b>VI</b>	<b>Ethical Standard-(as Law)</b>	<b>6</b>
	Divine law as standard; political law as standard; social law as standard	

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<b>ECBCS-118</b>	<b>RURAL SOCIOLOGY-I</b>
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**Preamble:** This paper helps to assess the power relations in rural settings and examine the social and structural changes in the post independent period. This also helps to impart sociological perspectives which will enable the participant/student to examine rural development programmes and state policies critically.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	Introduction to Rural Sociology	<b>6</b>
<b>II</b>	Rural Society in India as agrarian and peasant social structure	<b>6</b>
<b>III</b>	Basic characteristics of peasant and agrarian society	<b>6</b>
<b>IV</b>	Family, caste, tribe, ethnicity, gender, religion, habitat and settlement	<b>6</b>
<b>V</b>	Debates on mode of production and agrarian relations- tenancy, land and labour	<b>6</b>
<b>VI</b>	Agrarian legislation and rural social structure	<b>6</b>

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15. Singh Raghavendra Pratap, 1987: Sociology of Rural Development in India, Discovery Publications, New Delhi.
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**SEMESTER II**

<b>ECBCS -211</b>	<b>MICRO ECONOMIC ANALYSIS –II</b>
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**Preamble:** This paper analyses the economic behaviour of individuals, firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumer behaviour and demand analysis, production theory and behaviour of costs, the theory of traditional markets and equilibrium of firm in modern non-profit maximising framework. The paper also deals with the micro and macro theories of distribution, welfare economics, general equilibrium in closed and open systems.

<b>Unit No.</b>	<b>Title of the topics/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Alternative theories of the firm</b>	<b>6</b>
	Profit Maximisation; Baumol's Sales Revenue Maximisation model; Managerial Theories – Williamson, Marris; Behavioural Theories - Spencer, Cyert and March; Limit pricing theory – Bain, Sylos-Labini, Modigliani, Bhagwati.	
<b>II</b>	<b>Theory of Distribution- Rent and wage theories</b>	<b>6</b>
	Marginal Productivity theory; Product exhaustion problem – Euler's theorem; Rent theories – Ricardo's theory of rent; Modern theory of rent; Wage theories – Marginal productivity theory; Modern theory of wages; Wage determination under collective bargaining	
<b>III</b>	<b>Theory of Distribution- Interest and profit theories</b>	<b>6</b>
	Interest theories – Loanable Fund theory; Liquidity preference theory; Profit theories – Innovation theory; Risk and uncertainty theory.	
<b>IV</b>	<b>Welfare Economics</b>	<b>6</b>
	Pigou's theory of welfare; Pareto's optimality conditions; Rawls theory of justice; Arrow's impossibility theorem; Compensation principle; Social Welfare Function.	
<b>V</b>	<b>Game theory</b>	<b>6</b>
	Game Theory: Basic concepts; Dominant strategy equilibrium; Nash equilibrium; Repeated and sequential games.	
<b>VI</b>	<b>Asymmetric Information</b>	<b>6</b>
	Asymmetric information; Moral hazard and adverse selection; Optimal contracts under symmetric information; Principal – agent model.	

**References:**

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<b>ECBCS -212</b>	<b>ECONOMICS OF GROWTH AND DEVELOPMENT – II</b>
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**Preamble:** The study of economic development has gained importance because of sustained interest in the developing countries in uplifting their economic conditions by restructuring their economies to acquire greater diversity, efficiency and equity in consonance with their priorities. The topics incorporated in this paper are devoted to the theories of growth and development, social and institutional aspects of development, importance of agriculture and the rationale and pattern of industrialization in developing countries

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Social and Institutional Aspects of Development-I</b>	<b>6</b>
	Poverty : Concept of poverty - traditional and modern; Absolute and relative poverty; Measurement of poverty; Causes and effects of poverty in developing countries.	
<b>II</b>	<b>Social and Institutional Aspects of Development-II</b>	<b>6</b>
	Income inequality: Meaning and measurement of income inequality; Causes and effects of income inequality in developing countries; Unemployment: Types of unemployment; Causes and effects of Unemployment; Policies for reducing poverty, income inequality and unemployment.	
<b>III</b>	<b>Sectoral aspects of development-I</b>	<b>6</b>
	Agriculture: Role of agriculture in economic development; New technology and sustainable agriculture; Agricultural policy in developing countries	
<b>IV</b>	<b>Sectoral aspects of development-II</b>	<b>6</b>
	Industry: Role of industry in economic development; Policy for industrial development in developing countries; Labour intensive and capital intensive techniques; Intermediate technology.	
<b>V</b>	<b>Trade and economic development</b>	<b>6</b>
	Role of international trade in economic development; Strategies of export-led growth and import-substituting growth; Drawbacks of international trade; Role and working of WTO; Effects of WTO on developing countries.	
<b>VI</b>	<b>Macroeconomic policies and development</b>	<b>6</b>
	Monetary policy: Objectives, tools and limitations of monetary policy in developing countries; Inflation and growth; Fiscal policy: Objectives of fiscal policy in developing countries; Tools of fiscal policy: taxation, public expenditure and borrowing - and their role in economic development; Deficit financing – Meaning, benefits and drawbacks	

**References:**

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**DISCIPLINE ELECTIVE PAPERS (ANY ONE)**

<b>ECBCS-213</b>	<b>ECONOMICS OF AGRICULTURE – II</b>
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**Preamble:** The objective of this paper is to provide a detailed treatment of issues in agricultural economics to those intending to specialize in this area. Its objective is to familiarize students to analyze the issues related with agricultural and economic development, agricultural production function, agricultural demand and supply, marketing and prices, agricultural finance, using basic micro-economic concepts.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Sustainable Agriculture and Food Security</b>	<b>6</b>
	Meaning; factors of sustainable of agriculture; Biotechnology- Meaning & scope; Green Revolution- success and limitations; Organic farming – Present status & Future scope; Agricultural issues experiences and challenges. Food Security; Efficiency of irrigation; Live stock Development; Dairy Development	
<b>II</b>	<b>Agricultural Credit</b>	<b>6</b>
	Cooperative Credit System; NABARD and Vaidynathan committee; Role of Commercial Banks; Non Agricultural Rural credit institutions; Self-Help Group – Meaning and Impact; Agricultural credit – Challenges, opportunities, Strategies.; Unorganized credit system, Role, Problems & Report of Radhakrishna	
<b>III</b>	<b>Agricultural Marketing</b>	<b>6</b>
	Agricultural marketing system in India-nature, problems and measures; Cooperative marketing; regulated market; Cobweb model; Agricultural price policy in India; Types of Marketing - Group, Global, Corporate & Forward	
<b>IV</b>	<b>Agricultural Management</b>	<b>6</b>
	Agricultural Management: Concept, Scope and Principle; Recent trends in Agricultural Management; Problems of Agricultural Management	
<b>V</b>	<b>Unit 4: World Trade Organization and Indian Agriculture.</b>	<b>6</b>
	Agreement on Agriculture under WTO; Issues of Agricultural Subsidies; Impact of WTO on Agriculture; Efficiency of service Sector in relation to Agriculture; Recent Agricultural Problems in India; Recent Problems of Agricultural exports – imports	
<b>VI</b>	<b>Agricultural Labour</b>	<b>6</b>
	Meaning; magnitude; rural unemployment; economic condition; marginalization of rural labour; Swarna Jayanti Gram Swarajgar Yojana; Mahatma Gandhi National Rural Employment Guarantee Act-2005	

**References:**

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<b>EOCB-214</b>	<b>ECONOMICS OF INDUSTRIES – II</b>
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**Preamble:** This paper 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 economics of industry in an analytical manner, particularly in the Indian context

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Credits/ Hours</b>
<b>I</b>	<b>Industrial Growth in India-I</b>	<b>6</b>
	Industrial Growth: Trends in Industrial Growth in India; Private Industries: Growth and problems; Public Sector : Growth and Problems; Small Scale Industries: Growth and Problems; Cottage Industries: Growth and Problems	
<b>II</b>	<b>Industrial Growth in India-II</b>	<b>6</b>
	Growth Pattern in Selected Industries: Iron and Steel Industries; Cotton textiles Industries; Sugar Industries; Coal Industries; Engineering goods Industries; Industrial sickness; Role of BIFR ; Regional Development-Trends, Pattern and Problems	
<b>III</b>	<b>Industrial Finance-I</b>	<b>6</b>
	Industrial Finance- Meaning , Scope and Importance ; Sources of Industrial Finance : Private, Public and Co-operative Sector - Shares, Debentures, Bonds, Deposits and Loan. – Financing agencies-IDBI, IFCI, ICICI, SFCs, NIDC, SIDCS, UTI, LIC,	
<b>IV</b>	<b>Industrial Finance-II</b>	<b>6</b>
	Foreign capital : Need and Governments Policies (after 1991) ; Foreign Direct Investment-significance and trends; Foreign Institutional Investment; Trends in institutional finance for industrial sector.	
<b>V</b>	<b>Globalization and Indian Industries</b>	<b>6</b>
	Globalization: Meaning, Significance; Impact of Globalization on Indian Industries; Trends and pattern of FDI in India; Merger & Acquisition; Export and import component of Indian industrial sector.	
<b>VI</b>	<b>Industrial Policies</b>	<b>6</b>
	Industrial Policies of 1948, 1956, 1977; Industrial Policy – 1991; Trends in Industrial Growth after 1991; Special Economic Zones; Evaluation of Industrial Policies; Labour Market Reforms	

**References:**

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<b>ECBCS-215</b>	<b>ECONOMICS OF ENVIRONMENT – II</b>
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**Preamble:** Due to the speedy growth of industries and population, there is an increasing demand for environmental resources. The free goods in nature have now become the most expensive goods in the economy. The various types of pollution have created problems for human beings as well as the biosphere. This paper highlights the causes of pollution, its economic impact and the role of government, NGOs, etc., in environment protection

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Economics of Environment: Measurement</b>	<b>6</b>
	Cost benefit analysis and environment; Environment impact assessment; Environmental audit; Economics of recycling; Types of energy-Renewable and Non-renewable; Energy Production from waste; Pollution tax	
<b>II</b>	<b>Environment and Society: Some Issues</b>	<b>6</b>
	Rural Environmental Problems; Urban Environmental Problems; Population and Pollution; Poverty and Pollution; Slums and Pollution	
<b>III</b>	<b>Environmental Protection Laws in India-I</b>	<b>6</b>
	Constitutional Provisions; The Water (Prevention and Control) Act, 1974; The Forest (Conservation) Act, 1980; Air (Prevention & Control of Pollution) Act, 1981; Environmental Protection Law (1986)	
<b>IV</b>	<b>Environmental Protection Laws in India-II</b>	<b>6</b>
	The Biological Diversity Act, 2002; Central Pollution Control Board: Functions and Evaluation; Maharashtra Pollution Control Board: Functions and Evaluation	
<b>V</b>	<b>Sustainable Development-I</b>	<b>6</b>
	Meaning and Significance; Sustainable Development and Agriculture-Interrelation; Sustainable Development and Industry: Interrelation	
<b>VI</b>	<b>Sustainable Development-II</b>	<b>6</b>
	Sustainable Human Development; Role of Education; Role of Public Awareness and Role of Training	

**References:**

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<b>ECBCS-216</b>	<b>ECONOMICS OF INFRASTRUCTURE - II</b>
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**Preamble:** This course sets out the main principles in Economics of Infrastructure. It not only provides the basic economic concepts but also attempts to examine these from a practical viewpoint. Infrastructure plays a vital role in the economic development of a country. This paper aims to expose the student to issues related to development of physical as well as social infrastructure with special focus on India.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Credits</b>
<b>I</b>	<b>Energy</b>	<b>6</b>
	Primacy of energy in economic development; Factors determining demand for energy; Energy conservation; Renewable and non-renewable sources of energy; Energy crisis in India – causes and effects; Optimal energy policy in Indian context.	
<b>II</b>	<b>Energy sector in India-I</b>	<b>6</b>
	Electricity sector: Sources of electricity in India; Importance, growth and features of electricity sector in India; Regulations and reforms in this sector; Problems of electricity sector and their solutions;	
<b>III</b>	<b>Energy sector in India-II</b>	<b>6</b>
	Oil and natural gas sector: Growth, problems and reforms in this sector; Non-conventional energy: Types, growth, problems and prospects.	
<b>IV</b>	<b>Education-I</b>	<b>6</b>
	Role of education in economic development; Costs and benefits of investment in education.; Private and social rates of return; Indian education system: Characteristics, problems and solutions.	
<b>V</b>	<b>Education-II</b>	<b>6</b>
	Allocation of resources to primary, secondary and higher education in India. Right to Education Act; Various schemes for promoting primary education.	
<b>VI</b>	<b>Health</b>	<b>6</b>
	Relationship between health and economic development; Determinants of health status of an economy; Demand and supply of health care; Financing of health care and resource constraints; Inequalities in healthcare – class and gender perspective; Health sector in India: Current problems and measures	

**References:**

- Crew, M A and P R Kleindorfer (1979): *Public Utility Economics*, Macmillan, London.
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<b>ECBCS-217</b>	<b>ETHICAL STUDIES – II</b>
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**Preamble:** This course specially designed for the students of economics. Ethics is the basic foundation for all subjects under social sciences. The student of economics should understand the basic understanding about ethics and its application in the society. This paper can be related to modern economics.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	<b>Ethical Standard (as Hedonism)</b>	<b>6</b>
	Nature of hedonism; types of hedonism: egoistic and universalistic: Kant's rationalism and categorical imperative	
<b>II</b>	<b>Duties, Virtues and Character</b>	<b>6</b>
	Meaning of term- 'duties' and 'virtue'; classification of virtues; conflict of duties; character and conduct; growth of character	
<b>III</b>	<b>Moral Ideal and Moral Progress</b>	<b>6</b>
	Meaning of progress; moral progress and its relation to moral ideal; moral progress in the individual; moral progress in society and human race	
<b>IV</b>	<b>Biomedical and environmental ethics</b>	<b>6</b>
	Applied ethics-nature and scope; bio-medical ethics-euthanasia, abortion; environmental ethics-anthropocentrism, eco-centrism and animal rights	
<b>V</b>	<b>Media Ethics</b>	<b>6</b>
	Freedom and censorship; freedom of expression and responsibility	
<b>VI</b>	<b>Business Ethics</b>	<b>6</b>
	Definition, Need, importance, nature, scope; factors influencing business ethics; Corporate social responsibility: meaning, need, importance, scope and advantages; consumer rights	

**References:**

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<b>ECBCS-218</b>	<b>RURAL SOCIOLOGY-II</b>
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**Preamble:** This paper helps to assess the power relations in rural settings and examine the social and structural changes in the post independent period. This also helps to impart sociological perspectives which will enable the participant/student to examine rural development programmes and state policies critically.

<b>Unit No.</b>	<b>Title of the Topic/sub-topics</b>	<b>Hours</b>
<b>I</b>	Political Economy of Rural India	<b>6</b>
<b>II</b>	Rural poverty, migration, landless labour	<b>6</b>
<b>III</b>	Planned change for rural society, Panchayati Raj system, local self government, community development programme, rural development strategies	<b>6</b>
<b>IV</b>	Major Agrarian Movements in India- a critical assessment, globalization and its impact on agrarian structure	<b>6</b>
<b>V</b>	Politics of resources- land, water, public spaces	<b>6</b>
<b>VI</b>	Peasants, community knowledge and intellectual Property Rights (IPR)m biodiversity and sustainable agriculture	<b>6</b>

### References

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## PAPERS FOR SEMESTER III AND IV

(To be introduced in the year 2016-17)

<b>Third Semester</b>		
01.	MACRO ECONOMIC ANALYSSI-I	ECBCS-311
02.	RESEARCH METHODOLOGY	ECBCS-312
03.	ECONOMICS OF LABOUR-I	ECBCS-313
04.	PUBLIC ECONOMICS-I	ECBCS-314
05.	GENDER AND DEVELOPMENT-I	ECBCS-315
06.	DEMOGRAPHY-I	ECBCS-316
07.	SOCIOLOGY OF GLOBALIZATION-I	SCBCS-317
08.	LOCAL SELF GOVERNMENT IN INDIA-I	PCBCS-318
<b>Fourth Semester</b>		
01.	MACRO ECONOMIC ANALYSIS-II	ECBCS-411
02.	DISSERTATION *	ECBCS-412
03.	ECONOMICS OF LABOUR-II	ECBCS-413
04.	PUBLIC ECONOMICS-II	ECBCS-414
05.	GENDER AND DEVELOPMENT-II	ECBCS-415
06.	DEMOGRAPHY-II	ECBCS-416
07.	SOCIOLOGY OF GLOBALIZATION-II	SCBCS-417
08.	LOCAL SELF GOVERNMENT IN INDIA-II	PCBCS-418

- **Viva-Voce for 40 marks**