SYLLABUS

CBCS STRUCTURE FOR

M.A. I & II SEMESTER

&

M.A. III & IV SEMESTER

M.A.(ECONOMICS)
SESSION 2023 - 24
Of

Autonomous Semester System Examination

POST GRADUATE

Department Of Economics

(Study & Research Centre)

RAJEEV GANDHI GOVT. P.G. COLLEGE AMBIKAPUR (C.G.)

Affiliated To
SANT GAHIRA GURU VISHWAVIDYALYA
SURGUJA, ABMIKAPUR (c.G.)
Pin 497001

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M.A. ECONOMICS
SEMESTER COURSE
2023-24

Outcome Base Education

Vision

"Be the very pinnacle of academic and research excellence in Economics"

Mission

As a Department' We are committed to

- Achieve academic excellence in Economics through innovative teaching and learning processes.
- To prepare the student to be professionally competent to face the challenges in the industry.
- Promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- Motivate the students to acquire entrepreneurial skills to become global leaders.

Programme Education Objective (PEO)

MA Economics Program will be

PEO 1. Utilizing strong technical aptitude and domain knowledge to Develop Economic Environment
PEO 2. Applying research and entrepreneurial skills augmented with a rich set of communication, teamwork and leadership skills to excel in their profession.
PEO 3. Showing continuous improvement in their professional career through life-long learning, appreciating human values and ethics..

Graduate Attributes for MA Economics

GA 1. An ability to apply Knowledge of Economics
GA 2. An ability to design and conduct experiments, an well as analyze and interpret data
GA 3. An ability to design an Economic system with realistic constraint such as economic environmental sonnet, ethical, health and safely
GA 4. An ability to indentify formulate and solve economic problem
GA 5. An ability to function on multidisciplinary teams.
GA 6. An ability to communicate effectively
GA7. An understanding of professional and ethical responsibility
GA 8. The broad education necessary to understand the impact of Economic solution in a global economic environmental and social context
GA 9. An ability to engage in life long learning
GA 10. A knowledge of contemporary issues in technologies related to economic activities of country
GA 11. An ability to use the modern techniques tools necessary for economic research and development
GA 12. AN ability to develop economic environment in society

Programme outcome for MA Economic (PO)

Programme Outcomes:

The Master of Arts programme in Economics has been designed with the objective to develop in-depth knowledge of students in frontier areas of economic theory and methods, so that they are able to use the knowledge to study real world economic problems.

The course has a strong focus on theoretical and quantitative skills and train students in the collection and anlysis 1of the data using their software skills.

The programme offers specialised optional courses, which allow student to pursue their studies in their area of interest. The students are required to submit report and present their findings of field-study. Besides, to hone the student's writing and analytical skills they are required to submit a term paper on current economic problem. Thus, the Masters in Economics programme seek to-

PO.01 An ability to apply knowledge of Economics.
PO.02 An ability to design and conduce experiments, as well as to analyze and interpret data.
PO.03 An ability to design an electronic system, component or process to meet desired need within realistic constraints such as economic, environmental, social, ethical, health and safety and manufacturablitiy
PO.04 An ability to function on multidisciplinary teams.
PO.05 An ability to an understanding of professional and ethical responsibility.
PO.06 An ability to communicate effectively.
PO.07 Solution in a global, economic, environmental and societal context.
PO.08 An ability to engage in life-long learning.
PO.09 An ability tou use the techniques, skills and modern Economic tools necessary for Economic Research.

Programme Learning Outcome:

At the end of the programme, the students will have adequate competency in the frontier areas of economic theory and methods. The students will acquire additional specialisation through optional courses. They will be able to use common software for analysis of economic data. Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment, but also help them to pursue their doctoral studies. Keeping the programme objectives in view, the specific learning outcomes of Masters in Economics are:

PL 01- Understanding the basic assumptions in various economic theories and enhance capabilities of developing ideas based on them

PL 02- Prepare and motivate students for research studies in Economics especially by developing questionnaire, collecting primary data through field surveys
PL 03- Provide knowledge of a wide range of econometric techniques using excel or other statistical software

PL 04- Motivate students to extract or utilize different websites for secondary data collection, generating concepts for various facets of economic studies and gather latest informations provided by various Universities, UGC, or ICSSR

PL 05- Motivate students in preparing for various competitive examinations, NET, SET, Indian Economic Service etc, by developing or gaining value addition day by day by giving assignments, by following a routine or developing discipline / concentration etc.

The post graduate course in economics extends over a period of two academic years consisting four semesters. The scheme of examination and syllabus of the course is mentioned below.

The four semester of M.A. Economics course shall consist twenty theory papers and there shall be five theory papers in each semester.

Under the scheme of Choice Based Credit System (CBCS). Each paper of first to fourth semester carries 100 marks out of which.70-100 marks are for external theory exam and 30 marks are for internal assessment. Internal assessment is divided in three parts, tests, seminar and assignment, each carrying 10 marks. Student has to secure minimum 36 % marks in each external theory papers and 40% marks separately in test, seminar and assignment.

Examination and result shall be treated according to rule and regulation of the ordinance of the institution.

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **FIRST SEMESTER** (ODD SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 101	CCC	Micro Economics-1	06	04	03	00	03	00
ECO102	CCC	Macro Economics-1	06	04	03	00	03	00
ECO103	CCC	Quantitative Methods	06	04	03	00	03	00
ECO 121	PRJ/FST/ EST	SocialOutreach And Internship & Enterepreneurship	06	00	00	09	00	04
ECOA01	ECC/CB	Constitutionalism & Indian Political System	06	04	03	00	03	00
ECOA02	ECC/CB	Monetary Economics : Theory and Policy						
ECOA03	ECC/CB	Managerial Economics						
ECOA04	ECC/CB	History of Economic Thought						
ECOA05	ECC /CB	Economics Of Insurance-1						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **SECOND SEMESTER** (EVEN SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 201	CCC	Micro Economics-2	06	04	03	00	03	00
ECO 202	CCC	Macro Economics-2	06	04	03	00	03	00
ECO 203	CCC	Public Economics	06	04	03	00	03	00
ECOS01	OSC	Research Methodology & Computer Application: Basics	06	04	03	00	03	00
ECO B01	ECC/CB	Environmental And Forest Laws	06	04	03	00	03	00
ECO B02	ECC/CB	Economics of Financial Markets and Institutions						
ECO B03	ECC/CB	Industrial Economics						
ECO B04	ECC/CB	Labour Economics						
ECO B05	ECC/CB	Computer Application in Economic Analysis-1						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **THIRD SEMESTER** (ODD SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 301	CCC	International Economics-1	06	04	03	00	03	00
ECO 302	CCC	Contemporary Issues in Indian Economy-1	06	04	03	00	03	00
ECO 303	CCC	Environmental Economics	06	04	03	00	03	00
ECO S02	OSC	Intellectual Property Rights	06	04	03	00	03	00
ECO C01	ECC/CB	Tribal Studies	06	04	03	00	03	00
ECO C02	ECC/CB	Agricultural Economics: Theories						
ECOC03	ECC/CB	Basic Mathematics for Economists						
ECOC04	ECC/CB	Economics of Growth						
ECOC05	ECC/CB	Economics Of Insurance-II						
ECOC06	ECC/CB	Economics of Entrepreneurship Development						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **FOURTH SEMESTER** (EVEN SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 401	CCC	International Economics-2	06	04	03	00	03	00
ECO 402	CCC	Contemporary Issues in Indian Economy-2	06	04	03	00	03	00
ECO 403	CCC	Environmental Economics: Issues and Policies	06	04	03	00	03	00
ECO 421	SSC/PRJ	DISSERTATION	06	00	00	09	00	04
ECO D01	ECC/CB	Agricultural Economics: Issues and Policies	06	04	03	00	03	00
ECO D02	ECC/CB	Economics of Regionalism						
ECO D03	ECC/CB	Economics of Transportation						
ECO D04	ECC/CB	Demography						
ECO D05	ECC/CB	Computer Application in Economic Analysis-II						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **FIRST SEMESTER** (ODD SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 101	CCC	Micro Economics-1	06	04	03	00	03	00
ECO102	CCC	Macro Economics-1	06	04	03	00	03	00
ECO103	CCC	Quantitative Methods	06	04	03	00	03	00
ECO 121	PRJ/FST/ EST	SocialOutreach And Internship & Enterepreneurship	06	00	00	09	00	04
ECOA01	ECC/CB	Constitutionalism & Indian Political System	06	04	03	00	03	00
ECOA02	ECC/CB	Monetary Economics : Theory and Policy						
ECOA03	ECC/CB	Managerial Economics						
ECOA04	ECC/CB	History of Economic Thought						
ECOA05	ECC /CB	Economics Of Insurance-1						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

M.A. ECONOMICS
FIRST - SEMESTER
Paper – I
Micro Economics – 1

Course Code – Eco 101 Course Type – CCC

Couse Objective:

01- To develop an advanced theoretical understanding of consumer behaviour and decision-making.

02- To develop a theoretical understanding of strategic behaviour of economic agents.

Course Outcomes:

On successful completion of the course, a student will be able to-

CO 01 - develop a sound understanding of the core microeconomic concepts that economists use to understand the process of decision-making by an economic agent(s).

CO 02 -The student should be able to apply mathematical tools and techniques to study behaviour of economic agents.

CO 03 -Besides students will be able to identify strategic behaviour of economic agents and formulate them in a game theoretic framework.

CO 04 -They will be able to identify and analyse strategic interactions and explain negotiation and exchange between economic agents in game theory models.

CO 05 -The students will be able to compute the outcome of normal form games, mixed strategy and sequential games

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S 0	S	S	M	L	S	S	S	L
CO2	S	S	S	S	L	S	L	S	L
CO3	S	S	S	S	L	M	M	S	L
CO4	S	M	S	M	L	M	M	S	L
CO5	M	M	S	S	L	M	M	S	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS FIRST – SEMESTER Paper – I Micro Economics – 1	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Central problems of an economy, Importance and scope of Micro economics ,Utility analysis - Cardinal utility, Marginal utility. Demand- concept, Elasticity of demand, Price Income and Cross elasticity, Measurement of elasticity of demand. Indifference curve, Revealed Preference theory.
Module-2 (Lecture-18)	Production Function - Nature of Production function, Cobb- Douglas Production Function; Law of Variable Proportions and Returns to scale, Isoquant's, Least cost Combination of inputs, Economies of scale , Cost and Revenue analysis,
Module-3 (Lecture-18)	Market – Classification, Market Price and General Price. Methods ofequilibrium of a firm, Perfect competition - short run and long run equilibrium of firm and Industry, Price and output determination, Monopoly- Price and output determination in short and long run, Discriminating monopoly, monopoly control and regulation , Monopolistic competition- Price and output determination, Chamberlein‟s approach, Group equilibrium,
Module-4 (Lecture-18)	Oligopoly- Classification and features of oligopoly, Non-Collusive(Cournot, Bertrand, Edgeworth) and collusive (Price leadership, Cartel & mergers),
Module-5 (Lecture-18)	Modern trends in Oligopoly – Baumol‟s Sales Revenue Maximisation Model, Williamsons model of Managerial Discretion, Marris‟, Model of Managerial Enterprises and Bain‟s Limit Pricing theory.

REFERENCE –

1. Bach G.L. (1977) Economics, Prentice Hall of India, New Delhi.
2. Koutsoyianis, A. (1990) Modern Micro Economics, Macmillan.
3. Lipsey, R.G. and K.A., Ghrystal (1999) Principles of Economics (9th edition) Oxford University Press.
4. H.L. Ahuja – Advance Economic Theory.
5. Ferguson, C.E.- Micro Economic Theory.
6. उच्चतर व्यष्टि आर्थिक विश्लेषण – वी.सी. सिन्हा एवं पुष्पा सिन्हा
7. व्यष्टि आर्थिक विश्लेषण – डॉ. अनुपम अग्रवाल
8. उच्चतर व्यष्टि अर्थशास्त्र – डॉ. एच.एल. आहूजा
9. सूक्ष्म आर्थिक विश्लेषण – प्रो. एम.एल. सेठ
10. व्यष्टि आर्थिक सिद्धान्त – प्रो. के.एन. वर्मा
11. उच्च आर्थिक सिद्धान्त – एम.एल. झिंगन

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M.A. ECONOMICS FIRST – SEMESTER Paper – I Micro Economics – 1		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Central problems of an economy	1
1.2	Importance and scope of Micro economics	2
1.3	Utility analysis - Cardinal utility, Marginal utility	3
1.4	Demand- concept	2
1.5	Elasticity of demand	2
1.6	Price Income and Cross elasticity	2
1.7	Measurement of elasticity of demand	2
1.8	Indifference curve	2
1.9	Revealed Preference theory	2
2.1	Central problems of an economy	2
2.2	Importance and scope of Micro economics	2
2.3	Utility analysis - Cardinal utility	2
2.4	Marginal utility. Demand- concept	2
2.5	Elasticity of demand	2
2.6	Price Income and Cross elasticity	2
2.7	Measurement of elasticity of demand	2
2.8	Indifference curve	2
2.9	Revealed Preference theory	2
3.01	Market – Classification,	1
3.02	Market Price and General Price	1
3.03	Methods of equilibrium of a firm	1
3.04	Perfect competition - short run and long run equilibrium of firm and Industry	3
3.05	Price and output determination	2
3.06	Monopoly- Price and output determination in short and long run	3
3.07	Discriminating monopoly	2
3.08	monopoly control and regulation	2
3.09	Monopolistic competition- Price and output determination	3
3.10	Chamberlein‟s approach	2
3.11	Group equilibrium,	2
4.1	Oligopoly- Classification and features of oligopoly	7
4.2	Non-Collusive(Cournot, Bertrand, Edgeworth) and collusive (Price leadership, Cartel & mergers),	11
5.1	Modern trends in Oligopoly – Baumol‟s Sales Revenue Maximisation Model	6
5.2	Williamsons model of Managerial Discretion	6
5.3	Marris‟, Model of Managerial Enterprises and Bain‟s Limit Pricing theory.	6

M.A. ECONOMICS
FIRST - SEMESTER
Paper – II
Macro Economics- 1

Course Code – Eco 102 **Course Type – CCC**

Course Outcomes:

CO 01 - Get an overview of the major developments in macroeconomic theory,with particular emphasis on the policy prescriptions of the earlier macroeconomic schools of thought.

CO 02 -Develop an understanding of the interrelationships among the various macroeconomic variables and the way they impact upon the working of the economy as a whole, thereby determining the course of the economy.

CO 03 - Gain in depth knowledge about Keynesian vs Monetarist policy formulations as well as the theoretical justifications of such policies, together with the effectiveness of alternative policies with respect to the policy goals.

CO 04 - Get acquainted with disequilibrium transactions and quasi equilibrium situations in general disequilibrium macro models.

CO 05 -The second half includes the Monetary Theory expositions by Sir John Hicks. The course aims to provide an understanding of Money and the Classical and Keynesian definitions and motives for holding money. The course prepares the students with a theoretical base on the evolution of money and deeper insights into the utility of money in different macroeconomic frameworks

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	S	S	M	L	S	S	S	L
CO2	S	L	S	L	L	S	L	S	L
CO3	S	S	S	S	L	M	M	L	L
CO4	S	M	S	M	M	M	M	S	L
CO5	M	M	S	S	L	M	M	S	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS FIRST – SEMESTER Paper – II Macro Economics- 1	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Methodology, Importance of aggregative analysis, National Income and Accounts - concept of National Income and National Product, Methods of measurement of National Income and problems in the measurements,
Module-2 (Lecture-18)	Circular flow of Income- two three and four sector economy, Different forms of National Income Accounting- Social accounting, Input output accounting, Flow of funds accounting and Balance of payment accounting.
Module-3 (Lecture-18)	Monetary Theories- Quantity theory of money (Fisher) Cambridge school, Keynesian general theory, Post-Keynesian theories- Friedman and Don Patinkin, J.R.Hicks on classical and Keynesian theory, Price Income theory of money, Liquidity theory of money.
Module-4 (Lecture-18)	Investment Function and Multiplier- Determinants of Investment function, Marginal Efficiency of Investment (MEI) and Marginal Efficiency of Capital (MEC) , Investment Function- Long and short run Investment Function, impact of inflation on investment, influence ofpolicy measures on investment, Multiplier and its leakages, Accelerator.
Module-5 (Lecture-18)	Demand for money and supply of money- Classical and Keynesian approaches, Post- Keynesian theory of demand for money, Friedman‟s restatement of Quantity theory, Supply of money- The concept and constituents- Bank money, Near money, High powered money.

REFERENCE –

1. Markley, G (1978)Macro Economics; Theory and Policy, Macmillan.
2. Aornbusch, R. and F (1997) Macro Economics, Mc Graw Hill, inc New York.
3. Jha, R. (1991) Contemporary Macro Economic Theory and Policy, New Delhi.
4. समष्टि आर्थिक विश्लेषण – सिंघई व मिश्रा साहित्य भवन, आगरा
5. उच्चतर समष्टि अर्थशास्त्र – वी.सी. सिन्हा एवं पुष्पा सिन्हा, लोक भारती प्रकाशन
6. उच्चतर समष्टि अर्थशास्त्र – प्रो. एम.एल. झिंगन, विकास पब्लिशिंग हाउस
7. मैक्रो इकानामिक थ्योरी – प्रो. डी.एन. गुर्टू
8. समष्टि अर्थशास्त्र – प्रो. एम.सी. वैश्य

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M.A. ECONOMICS FIRST – SEMESTER Paper – II Macro Economics- 1		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Methodology	3
1.2	Importance of aggregative analysis	3
1.3	National Income and Accounts	3
1.4	Concept of National Income and National Product	4
1.5	Methods of measurement of National Income and problems in the measurements	5
2.1	Circular flow of Income- two, three and four sector economy.	5
2.2	Different forms of National Income Accounting- Social accounting.	4
2.3	Input output accounting.	3
2.4	Flow of funds accounting and Balance of payment accounting.	6
3.1	Monetary Theories- Quantity theory of money (Fisher) Cambridge school.	4
3.2	Keynesian general theory	2
3.3	Post- Keynesian theories- Friedman and Don Patinkin.	3
3.4	J.R.Hicks on classical and Keynesian theory.	4
3.5	Price Income theory of money.	3
3.6	Liquidity theory of money.	2
4.1	Investment Function and Multiplier- Determinants of Investment function.	2
4.2	Marginal Efficiency of Investment (MEI) and Marginal Efficiency of Capital (MEC).	4
4.3	Investment Function- Long and short run Investment Function.	3
4.4	Impact of inflation on investment	2
4.5	Influence ofpolicy measures on investment	3
4.6	Multiplier and its leakages.	2
4.7	Accelerator.	2
5.1	Demand for money and supply of money- Classical and Keynesian approaches	5
5.2	Post- Keynesian theory of demand for money	3
5.3	Friedman's restatement of Quantity theory	5
5.4	Supply of money- The concept and constituents- Bank money, Near money, High powered money.	5

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M.A. ECONOMICS
FIRST - SEMESTER
Paper – III
Quantitative Methods

Course Code – Eco 103 **Course Type – CCC**

Cours outcome

CO 01. Knowledge about preliminary mathematical concepts specially related to real valued, Concave, quasi concave and continuous functions
CO 02. Concept of matrices with some properties e.g semi definite
CO 03.Basic concepts of set theories specially convex, hyper planes, half spaces, separating and supporting hyper planes
CO 04. Static optimization and its related concepts
CO 05. Concepts of comparative statics

1. Computation of eigen values and eigen vectors
2. Mathematical calculation of static optimization
3. Application of Lagrange's method and Khun-Thuker condition with the help of calculus
4. Foundation to understand the axiomatic approach to explain micro economic theories, or
5. How micro economic theories can be portrayed in to set
6. theoretic approach

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	L	L	S	L		S	S	M	L
CO2	L	L	S	L	L	S	L	M	L
CO3	L	L	S	S	L	M	M	L	L
CO4	L	L	S	L	L	M	M	L	L
CO5	M	L	S	S	L	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS FIRST – SEMESTER Paper – III Quantitative Methods SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Mean, Median, Mode, Standard Deviation, Skewness – Symmetrical and Asymmetrical Distribution, Measurement of Skewness, Karl Pearson‟s Coefficient of Skewness; Simple Correlation, measurement of correlation, Karl Pearson‟s coefficient of correlation and Spearman‟s rank correlation, Probable error and standard error in correlation; Partial and multiple coefficient of correlation.
Module-2 (Lecture-18)	Regression analysis, Regression and correlation, Regression Lines and Regression Coefficients, Regression Equation, Multiple Regression Analysis (up to three variables), standard Error of the Estimates. Interpolation and Extrapolation, Method of fitting a parabolic curve. Newton‟s Advancing Differences method, Direct Binomial Expansion Method and Lagrange‟s Method.
Module-3 (Lecture-18)	Association of Attributes – Meaning and types of Association, Consistency of Data, Methods of determining Association, Method of comparison of Proportion, Coefficient of Association using Yule‟s method
Module-4 (Lecture-18)	Probability – meaning and definition, Permutation and Combination, Types of Events, Measurement of Probability, Addition and Multiplication theorem, Conditional Probability.
Module-5 (Lecture-18)	Concepts of Functions – Types of Functions, Differentiation-meaning and rules of differentiation, concept of Integration, Index Number – meaning and definition, types of index number and construction of index number. Chi Square Test, T-Test, F-Test and Cobb Douglas Production Function

REFERENCE –

1. Shukla, S.M. and S.P. Sahay – Quantitative methods, Sahitya Bhawan Publication Agra
2. Agrawal. D.R. – Quantitative Methods, Vrinda Publication (p) Ltd.
3. Gupta, S.P. – Quantitative Techniques, Sultanchand & Sons, New Delhi
4. सांख्यिकी के सिद्धान्त – भारद्वाज एवं सुराना, राम प्रसाद एण्ड संस, आगरा –3
5. सांख्यिकी के मूल तत्व – कैलाश नाथ नागर
6. सांख्यिकी – के.एल. गुप्ता, नवयुग साहित्य सदन, आगरा–2
7. Practical Problems in Statistics – N .L. Garg Ramesh Book Depot, Jaipur

M.A. ECONOMICS FIRST – SEMESTER Paper – III Quantitative Methods		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Mean, Median, Mode, Standard Deviation	3
1.2	Skewness–Symmetrical and Asymmetrical Distribution	2
1.3	Measurement of Skewness	2
1.4	Karl Pearson‟s Coefficient of Skewness	3
1.5	Simple Correlation, measurement of correlation	2
1.6	Karl Pearson‟s coefficient of correlation and Spearman‟s rank correlation	2
1.7	Probable error and standard error in correlation	2
1.8	Partial and multiple coefficient of correlation.	2
2.1	Regression analysis	1
2.2	Regression and correlation	2
2.3	Regression Lines and Regression Coefficients	2
2.4	Regression Equation, Multiple Regression Analysis (up to three variables)	3
2.5	Standard Error of the Estimates	2
2.6	Interpolation and Extrapolation	2
2.7	Method of fitting a parabolic curve	2
2.8	Newton‟s Advancing Differences method	2
2.9	Direct Binomial Expansion Method and Lagrange‟s Method	2
3.1	Association of Attributes – Meaning and types of Association,	4
3.2	Consistency of Data	3
3.3	Methods of determining Association	4
3.4	Method of comparison of Proportion	3
3.5	Coefficient of Association using Yule‟s method	4
4.1	Probability – meaning and definition	3
4.2	Permutation and Combination	3
4.3	Types of Events	3
4.4	Measurement of Probability	1
4.5	Addition and Multiplication theorem	5
4.6	Conditional Probability	3
5.1	Concepts of Functions – Types of Functions	2
5.2	Differentiation- meaning and rules of differentiation	2
5.3	Concept of Integration	2
5.4	Index Number – meaning and definition	4
5.5	Types of index number and construction of index number	2
5.6	Chi Square Test	2
5.7	T-Test, F-Test and Cobb Douglas Production Function	4

M.A. ECONOMICS
FIRST - SEMESTER
SOCIAL OUTREACH AND INTERNSHIP & ENTREPRENEURSHIP

Course Code –ECO - 121 **Course Type – ECC/CB**

Course Outcomes:

CO 01. To introduce to the alternative policy approach to address global and local economic environmental problems and to apply market and non-market method for resolving economic environmental problems.

CO 02. On completion of the course, the student will be able to identify the various policy alternatives that can be applied to address an environmental problem.

CO 03. The student will also be able to use market and non-market methods and apply them to estimate the extent of welfare gain or loss associated with any development and conservation programmes.

CO 04. They will also be able to identify factors that determine international cooperation to mitigate global economic environmental problems

CO 05. To convert the Jobseekers into Job providers and transform them as active contributors to national economy.

CO 06. To create entrepreneurship culture.

CO 07. To create self employment

CO 08. To create cooperative culture in sociery

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	L	M	S	S	L	M	S	M	L
CO2	L	M	S	S	L	M	S	S	L
CO3	L	M	S	S	L	M	S	S	L
CO4	L	M	S	S	L	M	S	S	L
CO5	L	M	L	S	L	M	S	S	L
CO6	L	M	L	S	L	M	S	S	L
CO7	L	M	L	S	L	M	S	S	L
CO8	L	M	S	S	L	M		S	L

S- Strong, M- Medium, L-Low

OBJECTIVE : The aim of the project work or field work is to introduce student with the research methodology in the subject and to prepare them for the pursuing in theoretical, experimental or computational areas of the subject.

Scheme of Marks :-

1. Social Outreach – 50 Marks (Project Work – 40 Marks & Viva- voce – 10 Marks)
2. INTERNSHIP & ENTREPRENEURSHIP 50 Marks (Project Work – 40 Marks & Viva- voce – 10 Marks)
3. Viva voce – on the basis of their project and class room study of entrepreneurship.

Internship :- The student could also be required 15 day internship for preparation of a project report with an enterprise involving product /services

M.A. ECONOMICS FIRST - SEMESTER SOCIAL OUTREACH AND INTERNSHIP & ENTREPRENEURSHIP	
SYLLABUS	
Module/Unit & Lecture	**Description**
Module-1 (Lecture-6)	**Entrepreneurship Concept And Significance** Entrepreneurship: Definition, Concepts of entrepreneurship development, self Employment, Characteristics of successful entrepreneur.
Module-2 (Lecture-6)	**Entrepreneurship Support Institutions And Environment** Institution and schemes of Government of India, Financing- Long, medium and short Term loan, Financial Institutions-NABARD, SIDBI, Nationalised banks etc., DIC- Role Schemes and programmes, documentation of loan application, sanction, acceptance, Release of loan.
Module-3 (Lecture-6)	**Business Opportunities and Business Planning** Market survey and assessment-Demand, Supply and Nature of competition, cost and price of products, selection of enterprise, Identify problem and opportunities, The Project Report.
Module-4 (Lecture-6)	**General Management and Finance** The fourth stage growth model-Planning, Organizing, executing, controlling resources Both human and material, asset management, business communication, Advertisement, public relation, Finance-Meaning, need of financial management, Type of business finance and management, Financial Planning, importance of budgets.
Module-5 (Lecture-6)	**Market Management –** Meaning and Concept of marketing, objectives of marketing management, Marketing Plan.

Suggested References

01. Entrepreneur Development, SS Khanna, S Chand & Company Ltd, Ram Nagar New Delhi.
02. Entrepreneur and Entrepreneurship Development and Planning in India, D. N. Mishra,Chugh Publication, Allahabad.
03. Science Tec. Entrepreneur (A BI Monthly Publication) Centre for Entrepreneurship Development M. P. (CEDMAP), 60 Jall road Jhangerbad, Bhopal-46200-2508.
04. Bullding A Chain of Customers, Richard J Schonberger, The Free Press, New York.
05. Entrepreneurship, Holt, Prentice Hall, New Delhi.
06. Management of Small Scale Industry, Vasant Desal, Himalayan Publishing House, Bombay.

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M.A. ECONOMICS FIRST – SEMESTER SOCIAL OUTREACH AND INTERNSHIP & ENTREPRENEURSHIP		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Entrepreneurship Definition.	1
1.2	Concepts of entrepreneurship development	2
1.3	Self Employment.	1
1.4	Characteristics of successful entrepreneur.	2
2.1	Institution and schemes of Government of India.	1
2.2	Financing- Long, Medium and short Term loan.	1
2.3	Financial Institutions-NABARD, SIDBI, Nationalised banks etc.	1
2.4	DIC- Role Schemes and programmes,	1
2.5	Documentation of loan application, Sanction, Acceptance and Release of loan.	2
3.1	Market survey and assessment-Demand, Supply and Nature of competition.	2
3.2	Cost and price of products.	1
3.3	Selection of enterprise.	1
3.4	Identify problem and opportunities.	1
3.5	The Project Report.	1
4.1	Meaning and Concept of marketing	2
4.2	Objectives of marketing management.	2
4.3	Marketing Plan.	2
5.1	Meaning and Concept of marketing.	2
5.2	Objectives of marketing management.	2
5.3	Marketing Plan.	2

M.A. ECONOMICS

(FIRST SEMESTER)

ELECTIVE PAPER

Constitutionalism & Indian political system

COURSE CODE: ECOA01 **COURSE TYPE: ECC/CB**

COURSE OUTCOME

CO 01. To enable the students to have an understanding of the various issues of the Indian Economy.
CO 02. Te enable the students to comprehend and critically appraise current issues and problems of Indian economy.
CO 03. The focus of this course is on the development of Indian Economy since Independence.
CO 04. To understand the importance of planning undertaken by the government of India.
CO 05. To provide a detailed treatment of issues in agricultural economics.
CO 06. To familiarize students with policy issues those are relevant to Indian Agricultural Economics.
CO 07. To enable them analyse the agricultural issues using the economic concepts

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	L	S	M	L	S	S	M	L
CO2	S	L	S	S	L	S	L	M	L
CO3	S	L	M	S	L	M	M	L	L
CO4	S	M	S	M	L	M	M	L	L
CO5	M	M	S	S	L	M	M	L	L
CO6	M	M	S	M	L	M	M	M	L
CO7	M	M	L	L	L	M	M	M	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE:

- Understands the concept of Constitutionalism
- Gets acquainted with various Indian Political System
- Becomes familiar with various Union Executive
- Gets conversant with Legislatures, Legislative Bills
- Achieves skills in various writings

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M.A. ECONOMICS(FIRST SEMESTER) ELECTIVE PAPER Constitutionalism & Indian political system	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Meaning: Constitution, Constitutional government & constitutionalism; Difference between Constitution & Constitutionalism; Constitutionalism: Basis, Elements, Features & future. Forms of Government: Democracy & Dictatorship, Unitary & Federal, Parliamentary & Presidential form. Ideals of the Indian Constitution incorporated in the Preamble. Special Features of the Indian Constitution.
Module-2 (Lecture-18)	Concept of State and Citizenship, Judicial Review and Fundamental Rights, Directive Principles of the State Policy, Fundamental Duties, Procedure to Amend the Indian Constitution, Judiciary: Supreme Court and High Court, Judicial Activism and Public Interest Litigation and Provisions relating to Emergency.
Module-3 (Lecture-18)	Union Executive- President, Prime Minister, Council of Ministers. State Executive-Governor, Chief Minister and Council of Ministers. Local Bodies &Panchayati Raj. Controller & Accountant General of India, Solicitor General, Advocate General, Election Commission, Union and State(s) Public Service Commission, Finance Commission.
Module-4 (Lecture-18)	Parliament of India, State Legislatures, Legislative Bills: Ordinary, Money and Financial, Union State Relations, Principles of the „Separation of Power and the „Principles of Check& Balance".
Module-5 (Lecture-18)	Political Parties and Pressure Groups. Challenges before Indian Democracy: Terrorism, Regionalism, Communalism, *Linguistics* and National Integration.

References-

HOBBES, Thomas, The Leviathan, Chapters XIII & XVII [entry]

LOCKE, John, The Second Treatise of Civil Government, Chapter IX [entry] ROUSSEAU, Jean-Jacques, The Social Contract or Principles of Political RightMONTESQUIEU, The spirit of the laws,

RAZ, Joseph, "The rule of law and its virtue", in The authority of law, Oxford UniversityPress, 1979

Dicey on British constitution

P. Ishwara Bhat Inter-relationship between Fundamental RightsM P Jain Indian Constitutional Law

H M Seervai Constitutional Law of IndiaV N Shukla Constitution of India

D DBasu Shorter Constitution of India

B Sivarao Constitutional Assembly Debates

J. V R Krishna Iyer Fundamental Rights and Directive PrinciplesParas Diwan Human Rights and the Law

P K Tripathi Some Insight into Fundamental Rights

S P Sathe Fundamental Rights and Amendment to the ConstitutionP B Gajendragadkar Law, Liberty and Social Justice

David Karrys Politics of Law

M.A. ECONOMICS(FIRST SEMESTER)		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Meaning: Constitution, Constitutional government & constitutionalism	3
1.2	Difference between Constitution & Constitutionalism	2
1.3	Constitutionalism: Basis, Elements, Features & future.	3
1.4	Forms of Government: Democracy & Dictatorship	3
1.5	Unitary & Federal	2
1.6	Parliamentary & Presidential form.	2
1.7	Ideals of the Indian Constitution incorporated in the Preamble	2
1.8	Special Features of the Indian Constitution	1
2.1	Concept of State and Citizenship	2
2.2	Judicial Review and Fundamental Rights	2
2.3	Directive Principles of the State Policy	2
2.4	Fundamental Duties	2
2.5	Procedure to Amend the Indian Constitution,	2
2.6	Judiciary: Supreme Court and High Court	3
2.7	Judicial Activism and Public Interest Litigation and Provisions relating to Emergency	5
3.1	Union Executive- President, Prime Minister, Council of Ministers.	3
3.2	State Executive-Governor, Chief Minister and Council of Ministers.	2
3.3	Local Bodies &Panchayati Raj.	2
3.4	Controller & Accountant General of India	2
3.5	Solicitor General	2
3.6	Advocate General	1
3.7	ElectionCommission,	2
3.8	Union and State(s) Public Service Commission	3
3.9	Finance Commission	1
4.1	Parliament of India	6
4.2	State Legislatures	3
4.3	Legislative Bills: Ordinary, Money and Financial	3
4.4	Union State Relations	2
4.5	Principles of the „Separation of Power and the "Principles of Check& Balance".	4
5.1	Political Parties and Pressure Groups.	5
5.2	Challenges before Indian Democracy	4
5.3	Terrorism, Regionalism, Communalism	5
5.4	Linguistics and National Integration	4

M.A. ECONOMICS
(FIRST SEMESTER)

ELECTIVE PAPER

Monetary Economics : Theory and Policy

COURSE CODE: ECO A02 **COURSE TYPE :ECC/CB**

COURSE OUTCOME

CO 01. To enable the students to know the evolution and role of money in the economy.
CO 02. It also provides an insight into the innovative role of banks in the changing economic set up.
CO 03. It provides basic understanding about the nature and significance of money.
CO 04. It gives a narration about the banking structure and its functioning of an economy**.**
CO 05. To provide basic information to students on the scope, significance and functions of government.
CO 06. A general understanding about fiscal policy and its various instruments.
CO 07. To give u awareness about budgeting with special reference to India.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO 2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	L	S	M	L	S	S	M	L
CO2	S	L	S	S	L	S	L	M	L
CO3	S	L	M	S	L	M	M	L	L
CO4	S	M	S	M	L	L	M	L	L
CO5	M	M	L	S	L	L	M	L	L
CO6	M	M	L	M	L	M	M	M	L
CO7	M	M	L	L	L	M	M	M	L

S- Strong, M- Medium, L-Low

SYLLABUS

COURSE TITLE: Monetary Economics: Theory and Policy

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to beasked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to beasked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: Money and banking constitute important components towards understanding of economics. A clear understanding of the operations of money and banking and their interaction with the rest of the economy is essential to realize how monetary forces operate through a multitude of channels – market, non-market, institutions and among others, the state. The operation of financial markets and their regulations are to be studied to appreciate their key-role in an economy, especially after the far reaching banking and financial sector reforms in India and elsewhere. The present course is designed to acquaint the students fully with the changing role of financial institutions in the process of growth and development. Accordingly, the paper on 'Economics of Money and Banking' is an optimal integration of monetary theory, banking and non-banking financial institutions, which combine with itself a systematic discussion of the theory, institutions and policy with special reference to India.

MA. ECONOMICS (FIRST SEMESTER) ELECTIVE PAPER **Monetary Economics : Theory and Policy**	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	***The Definition of Money :*** Function and Types of Money, Post-War Controversy on the Definition of Money and Money Supply – The Theoretical Debate and Empirical Attempts.*Demand for Money :* The Classical Quantity Theory of Money, The Keynesian Approach, Friedman's Theory. *Supply of Money :*Money Creation by the Banking System. High Powered Money and Money Multiplier. Measures of Money Supply in India.
Module-2 (Lecture-18)	***Term Structure of Interest Rates :*** The Expectations Theory, Liquidity Premium Theory, Market Segmented Theory, Preferred Habitat Theory. *Monetary Policy :* Targets, Goals and the Trade Offs Among Alternate Goals, Lags in Operation, Transmission Mechanism –Classical Model, Keynesian Model and Monetarist Model, Rules vs. Discretion.
Module-3 (Lecture-18)	***Central Banking :*** Origin and Evolution, Main Functions, Policy Tools, RBI – Monetary Policy and Autonomy.
Module-4 (Lecture-18)	*Commercial Banking :* Functions, Major Developments in CommercialBanking in India since Nationalization and during post economic reforms. Banking Sector Reforms. Contents of RBI Monetary Policy and reforms therein.
Module-5 (Lecture-18)	**Development Financial Institution:** Role, Growth and Structure of Development Financial Institution in India. Types and Control of Non- Banking Financial Companies (NBFCS) by RBI. Internationl Monetary System: IMF and International Liquidity. European Monetary System- Featues of the Maastricht Treaty and Post Maastricht Treaty Developments.

SUGGESTEDREADINGS

1. Bofinger Peter (200-2501) : Monetary Policy : Goals, Institutions, Strategy andInstruments, Oxford University Press.
2. Dennis Geoggrey, E.J. (1981) : Monetary Economics, Longman.
3. Dinlio, A. Eugene (Latest Edition)
4. Fabozzi, F. J. and Franco Modigliani (Fourth Edition) (200-2509)
5. Howells, Peter and Bain Keith (200-2502) : Theory and Problems of Money and Banking,International Edition (Schaum's Outline Series).

MA. ECONOMICS (FIRST SEMESTER) ELECTIVE PAPER Monetary Economics : Theory and Policy		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	***The Definition of Money*** *:* Function and Types of Money	3
1.2	Post-War Controversy on the Definition of Money and Money Supply – The Theoretical Debate and Empirical Attempts	3
1.3	*Demand for Money :* The Classical Quantity Theory of Money, The Keynesian Approach	4
1.4	Friedman's Theory. *Supply of Money :*Money Creation by the Banking System	4
1.5	High Powered Money and Money Multiplier	1
1.6	Measures of Money Supply in India	3
2.01	*Term Structure of Interest Rates :* The Expectations Theory	2
2.02	Liquidity Premium Theory	1
2.03	Market Segmented Theory	1
2.04	Preferred Habitat Theory	2
2.05	Monetarist Model	1
2.06	*Monetary Policy :* Targets	2
2.07	Goals and the Trade Offs Among Alternate Goals	2
2.08	Lags in Operation	1
2.09	Transmission Mechanism –Classical Model	2
2.10	Keynesian Model	2
2.11	Rules vs. Discretion	2
3.1	***Central Banking*** *:* Origin and Evolution, Main Functions, Policy Tools	11
3.2	RBI – Monetary Policy and Autonomy.	7
4.1	*Commercial Banking :* Functions	4
4.2	Major Developments in CommercialBanking in India since Nationalization and during post economic reforms	6
4.3	Banking Sector Reforms	4
4.4	Contents of RBI Monetary Policy and reforms therein	4
5.1	*Development Financial Institutions :* Role, Growth and Structure of Development Financial Institutions in India.	5
5.3	Types and Control of Non - Banking Financial Companies (NBFCs)by RBI.	4
5.4	*International Monetary System :*IMF and International Liquidity.	4
5.5	European Monetary System – Features of the Maastricht Treaty and Post Maastricht Treaty Developments.	5

M.A. ECONOMICS
(FIRST SEMESTER)

ELECTIVE PAPER

Managerial Economics: Theory

COURSE CODE: ECOA03 **COURSE TYPE : ECC/CB**

Course Outcomes:

CO 01 - Get an overview of the major developments in macroeconomic theory,with particular emphasis on the policy prescriptions of the earlier macroeconomic schools of thought.
CO 02 -Develop an understanding of the interrelationships among the various macroeconomic variables and the way they impact upon the working of the economy as a whole, thereby determining the course of the economy.
CO 03 - Gain in depth knowledge about Keynesian vs Monetarist policy formulations as well as the theoretical justifications of such policies, together with the effectiveness of alternative policies with respect to the policy goals.
CO 04 - Get acquainted with disequilibrium transactions and quasi equilibrium situations in general disequilibrium macro models.

CO 05 -The second half includes the Monetary Theory expositions by Sir John Hicks. The course aims to provide an understanding of Money and the Classical and Keynesian definitions and motives for holding money. The course prepares the students with a theoretical base on the evolution of money and deeper insights into the utility of money in different macroeconomic frameworks

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	L	S	M	L	S	S	M	L
CO2	S	L	S	S	L	S	L	M	L
CO3	S	L	M	S	L	M	M	L	L
CO4	S	M	S	M	L	M	M	L	L
CO5	M	M	S	S	L	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: This Course is essential for a student who aspires for management of a firm or company or any enterprises. This age is age of management. So managerial economics is very important to learn theart of management for achieving predetermined goals. The management means in each measure was as much a response to immediate economic problems and policy issues as much as i t was a self-conscious attempt to refine earlier analysis by correcting mistakes and filling in the gaps in management. Managerialanalysis did not evolve in isolation. But were in integral and important part of the evolution of modern economic thought. Prevailing ideas of science, scientific thought t and measurement played a significant role in the shaping of economic science at each stage of its evolution.

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M.A. ECONOMICS (FIRST SEMESTER) ELECTIVE PAPER **Managerial Economics: Theory**	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Definition, nature and scope of Managerial Economics , Managerial Economics and Micro-economics, Managerial Economics and Macro-economics , Applications of Economics in Managerial decisions making. Types of Business Organizations - Proprietary Firms, Partnership Firms, Joint Stock Companies, Public Sector Undertakings, Cooperative Societies, Non-profit Organizations.
Module-2 (Lecture-18)	Demand and Production Analysis - Determinants of Market Demand , Law of Demand, Elasticity of Demand - Measurement and its use , Demand Forecasting, Techniques of Demand Forecasting. Meaning of Production Function , Law of variable proportions, Law of Supply and Elasticity of Supply .
Module-3 (Lecture-18)	Costs and Pricing and output determination - Costs and Cost Functions , Short Terms Costs and their use on decision making , Determinants of costs , Break Even Analysis, Cost Forecasting.
Module-4 (Lecture-18)	Pricing decisions under different market forms like perfect competition, monopoly, oligopoly, Pricing Methods - Pricing in Public Sector Undertakings and CooperativeSocieties
Module-5 (Lecture-18)	Business Organizations in New Millennium, Organizational Goals – Profit Maximization, Sales Maximization, Satisfying Theory - Enhancing value of the firm and its goals.Cost Benefit Analysis , Steps in cost benefit analysis , Justification for the use of cost benefit Analysis

SUGGESTEDREADINGS

1. Managerial Economics - D.Salvatore
2. Managerial Economics - Mote, Paul and Gupta
3. Managerial Economics - Varshney and Maheshwari
4. A study of Managerial Economics - D.Gopalkrishna
5. Managerial Economics - D.C.Hauge
6. Managerial Economics - Reckie and Crooke

M.A. ECONOMICS (FIRST SEMESTER) ELECTIVE PAPER **Managerial Economics: Theory**		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.01	Definition, nature and scope of Managerial Economics	2
1.02	Managerial Economics and Micro-economics	2
1.03	Managerial Economics and Macro-economics	2
1.04	Applications of Economics in Managerial decisions making.	2
1.05	Types of Business Organizations - Proprietary Firms	2
1.06	Partnership Firms	1
1.07	Joint Stock Companies	2
1.08	Public Sector Undertakings	2
1.09	Cooperative Societies	2
1.10	Non-profit Organizations.	1
2.1	Demand and Production Analysis - Determinants of Market Demand	4
2.2	Law of Demand, Elasticity of Demand - Measurement and its use	4
2.3	Demand Forecasting	1
2.4	Techniques of Demand Forecasting.	2
2.5	Meaning of Production Function	3
2.6	Law of variable proportions	2
2.7	Law of Supply and Elasticity of Supply	2
3.1	Costs and Pricing and output determination - Costs and Cost Functions	6
3.2	Short Terms Costs and their use on decision making	4
3.3	Determinants of costs	4
3.4	Break Even Analysis	4
3.5	Cost Forecasting.	4
4.1	Pricing decisions under different market forms like perfect competition	8
4.2	Monopoly	3
4.3	Oligopoly	3
4.4	Pricing Methods - Pricing in Public Sector Undertakings and CooperativeSocieties	4
5.1	Business Organizations in New Millennium	2
5.2	Organizational Goals – Profit Maximization	3
5.3	Sales Maximization	2
5.4	Satisfying Theory - Enhancing value of the firm and its goals.	4
5.5	Cost Benefit Analysis	2
5.6	Steps in cost benefit analysis	2
5.7	Justification for the use of cost benefit Analysis	3

M.A. ECONOMICS

FIRST - SEMESTER

Elective Paper

History of Economic Thought

Course Code – ECO A04 Course Type – ECC/CB

Course Outcomes;

CO 01 -Understanding the basic facts of economic growth. Comprehension of relationship between growth and development.

CO 02 -Familiarity with the wide-ranging policy issues and theories in growth economics.

CO 03 -Understanding the Keynesian Analysis of economic growth with a comparison tosome other growth models.

CO 04 -A thorough understanding of literature on neoclassical growth models and empirics.

CO 05 -A critical account of the extension of the neoclassical growth model and applications.

CO 06 -Understanding the interactions of the basic tenets of growth theories and those of debt with the drivers of lobalisation.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	M	M	M	M	M	M	L	L
CO2	S	M	M	M	M	M	M	L	L
CO3	S	M	M	M	M	M	M	L	L
CO4	S	M	M	M	M	M	M	L	L
CO5	S	M	M	M	M	M	M	L	L
CO6	S	M	M	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS FIRST – SEMESTER Elective Paper History of Economic Thought	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	History of Economic Thought. Introduction- Mercantilism - Nationalism, Wealth, Value, Production, Interest, Trade and Money Physiocracy: Social Philosophy: Natural Order, Laisseze Faire, Private Property; Economic analysis: (1. Net Product, 2. Circular flow of wealth, 3. Trade, 4. Taxation) Adam Smith: Social Philosophy (Naturalism, Optimism, Self Interest, Invisible hand, Laisseze faire); Economic ideas: Wealth, Labour & Division of labour, Value, Distribution, International Trade, Public Finance.David Ricardo: Theory of Value, Distribution, International Trade. Thomas Robert Malthus: Theory of Population, Market Glut.
Module-2 (Lecture-18)	Karl Marx: Dialectical Materialism, Surplus Value & Capitalists Exploitation, Consequences of Capitalist Production, Socialism Jevons: Nature, scope, & Method of Economics, Wants, Utility- Final Degree of Utility, Exchange Value, Distribution
Module-3 (Lecture-18)	Alfred Marshall: 1. Nature scope and method of economics, Utility theory (L D, LDMU, EMU, CS), Elasticity of demand, Cost of production, Theory of value, (T E), Distribution, Monetary theory. A C Pigou: 1. Welfare Economics, 2. Trade Cycle, 3. Employment Theory, 4. Pigou Effect.
Module-4 (Lecture-18)	J M Keynes: Theory of Employment- Consumption Function, Investment Function, Theoryof Interest Gunnar Myrdal: 1. Scope of Economics, 2. Back wash effect, 3. Economic Planning, 4. AsianDrama, 5. Welfare State. Milton Friedman: 1. Consumption Function, 2. Monetary Theory, 3. Fiscal Policy. P A Samuelson: Multiplier – Accelerator Interaction; Wisely Leontief - Input - OutputAnalysis
Module-5 (Lecture-18)	Economics Policy of Vrihaspati & Shukracharya Kautilya:-Wealth, Agriculture, Industry & Public Finance M K Gandhi:- Basic Principles, Sarvodaya Amartya Sen: 1. Choice of technology, 2. Social welfare, 3. Poverty & Poverty Index, 4.HDI, 5. Economic Policy. Jai Prakash Narayan. Dr. J.K. Meheta Jai Narain Pandey - Thought of Spiritual Socialism

SUGGESTEDREADINGS

1. Alexander Grey: The Development of Economic Doctrine. 2009,Ludwig Von Mises Institute.
2. Bhatia H L: A History of Economic Thought.1978, Vikas Publishing House.
3. . Blaug M: Economic Theory in Retrospect.1997, Cambridge University press.
4. Eric Roll: A History of Economic Thought.1938, Faber and Faber.
5. Ganguli B N: Indian Economic Thought.1978, Tata McGraw –Hill.
6. Gide & Rist: A History of Economic Doctrines.2014, Nabu Press.
7. Hajela T N: History of Economic Thought. 2015, Ane Books.
8. Haney L H: History of Economic Thought.1939, Macmillan Publishing Co,New York.
9. Jhingan M L: History of Economic Thought2015, Vrinda publication Limited.
10. Paul R R: History of Economic Thought.2015, Kalyani Publications.
11. . Robert Lekachman: A History of Economic Ideas.1976, Mc Graw –Hill.
12. Schumpeter J A: Ten Great Economists.1952, George Allen & Unwin
13. Taylor O H: A History of Economic Thought.2011, Literary Licensing LLC.
14. जय नारायण पाण्डेय आध्यात्मिक समाजवाद 2021 एकैडमिक पब्लिकेशन दिल्ली
15. जय नारायण पाण्डेय आध्यात्मिक समाजवाद व विश्व सरकार 2022 एकैडमिक पब्लिकेशन दिल्ली
16. जय नारायण पाण्डेय आध्यात्मिक समाजवाद व सतयुग की वापसी 2023 एकैडमिक पब्लिकेशन दिल्ली
17. Dr. Jai Narain Pandey Economic Development & Crisis Academic Publication Delhi

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M.A. ECONOMICS FIRST – SEMESTER Elective Paper History of Economic Thought		
Module NO.	**Topics**	**No. of Lectures**
1.1	Introduction- Mercantilism - Nationalism, Wealth, Value, Production, Interest, Trade and Money	3
1.2	Physiocracy: Social Philosophy: Natural Order, Laisseze Faire, Private Property	3
1.3	Economic analysis: (1. Net Product, 2. Circular flow of wealth, 3. Trade, 4. Taxation)	2
1.4	Smith: Social Philosophy (Naturalism, Optimism, Self Interest, Invisible hand, Laisseze faire)	2
1.5	Adam Economic ideas: Wealth, Labour & Division of labour, Value, Distribution, International Trade, Public Finance	3
1.6	David Ricardo: Theory of Value, Distribution, International Trade.	3
1.7	Thomas Robert Malthus: Theory of Population, Market Glut.	2
2.1	Karl Marx: Dialectical Materialism, Surplus Value & Capitalists	5
2.2	Exploitation, Consequences of Capitalist Production, Socialism	4
2.3	Jevons: Nature, scope & Method of Economics	4
2.4	Utility- Final Degree of Utility, Exchange Value, Distribution	5
3.1	Alfred Marshall: Nature scope and method of economics	3
3.2	Utility theory (L D, LDMU, EMU, CS)	2
3.3	Elasticity of demand	2
3.4	Cost of production	1
3.5	Theory of value, (T E)	2
3.6	Monetary theory. A C Pigou: Welfare Economics	2
3.7	Trade Cycle	2
3.8	Employment Theory	2
3.9	Pigou Effect.	2
4.1	J M Keynes: Theory of Employment- Consumption Function, Investment Function	4
4.2	Theoryof Interest Gunnar Myrdal:- Scope of Economics,. Back wash effect,. Economic Planning,. AsianDrama,. Welfare State	5
4.3	Milton Friedman:- Consumption Function, Monetary Theory, Fiscal Policy	4
4.4	P A Samuelson: Multiplier – Accelerator Interaction; Wisely Leontief - Input - OutputAnalysis	4
5.1	Economics Policy of Vrihaspati & Shukracharya Kautilya:-Wealth, Agriculture, Industry & Public Finance.	4
5.2	M K Gandhi:- Basic Principles, Sarvodaya	4
5.3	Amartya Sen: 1. Choice of technology, 2. Social welfare, 3. Poverty & Poverty Index, 4.HDI, 5. Economic Policy	4
5.4	Jai Prakash Narayan. Dr. J.K. Meheta Jai Narain Pandey - Thought of Spiritual Socialism	6

M.A. ECONOMICS
FIRST - SEMESTER
Elective Paper
ECONOMICS OF INSURANCE - I

Course Code – ECO A05 **Course Type – ECC/CB**

Course Outcomes:

CO 01. Understanding the processes of agricultural transformation and rural development.
CO 02. Familiarity with the dynamics of rural and urban labour markets along with the employment situation in urban informal sector.
CO 03. Understanding of the various aspects of development strategies of governments of developing countries involving both the public and private sectors Understanding the basics of infrastructure and economic development.
CO 04. Familiarity with the economic theories and models required for infrastructural planning.
CO 05. Understanding the role of infrastructure in economic development considering one of its most important historical constituents, namely transportation.
CO 06. Ability to understand theoretical and practical issues in infrastructural development and pricing.
CO 07. A critical assessment of the role of private funding in railway infrastructure.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO 1	S	L	S	M	L	M	L	M	L
CO 2	S	L	S	S	L	M	L	M	L
CO 3	S	L	M	S	L	M	M	M	L
CO 4	S	L	S	M	L	M	M	M	L
CO 5	S	L	S	S	L	M	M	M	L
CO 6	S	L	S	M	L	M	M	M	L
CO 7	S	L	L	L	L	M	M	M	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS FIRST – SEMESTER Elective Paper ECONOMICS OF INSURANCE - I	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Risk Management and Insurance in Economic Development, Insurance Institutions as Financial Intermediaries; Insurance Institutions as Investment Institutions; Insurance Institutions in Indian Capital Market; Regulations Governing Investment of Insurance Institutions in India; IRDA Rules in this Regard.
Module-2 (Lecture-18)	Economic Security; Human Quest for Economic Security Through Time;Exposure to Losses; Role of Insurance; Definition of Insurance; Risk Pooling and Risk Transfer; Economic and Legal Perspective, Social vs. Private Insurance; life vs. Non-Life Insurance; Classification of life, Health and general Insurance policies.
Module-3 (Lecture-18)	Fundamentals of Uncertainty and Risk; Pure Risk And Speculative Risk; Expected Utility and Decision-making Under Uncertainty; Expected Utility And Demand for Insurance; Moral Hazard and Insurance Demand
Module-4 (Lecture-18)	Concept of Risk Management; Essentials of Risk Management; Elements of Risk Management – Risk Assessment; Risk Control and Risk Financing; World Wide Risk Sharing – Concept of Reinsurance, Fundamentals of Reinsurance, Types of Reinsurers; Reinsurance Distribution Systems, Reinsurers Market in Developing Countries.
Module-5 (Lecture-18)	Fundamentals of Life and Health Insurance; Functions of Life and Health Insurance; Mathematical Basis of Life Insurance; plans of Life Insurance; Legal Aspects of Life Insurance; Provisions of Policies; Selection and Classificationof Risks; Basics of Premium Construction; Valuation and Distribution of Surplus; Individual Health Insurance; Uses, Types of Evaluation; Principles of Underwriting of Life and Health Insurance; Group Insurance and Superannuation (pension) Schemes; Set up and Management of Insurance.

References:

1. Bailey, R.(Ed.): Underwriting in Life and Insurance.
2. Benjamin, B.: General Insurance.
3. Bhole, L.M.: The Indian Financial System.
4. Bickelhaupt, D. L.: General Insurance.
5. Black, K. Jr. and H.D. Skipper Jr.: Life and Health Insurance.
6. Dionne, G. and S.E. Harrington (Eds.): Foundations of Insurance Economics.
7. Elliot, M.W., Webb, B. J., Anderson, H.N. and Kensicki, P.R.: Principles ofreinsurance.
8. Finsinger, J. M.V. Pauly (Eds.): The Economics of Insurance Regulation:ACross National Study.
9. Graves, E.E. and L. Hayes (Eds.): McGill's Life Insurance.
10. Head, G.L. and S. Horn II: Essentials of Risk Management.
11. Insurance Regulation and Development Authority: IRDA Regulation.
12. Peltzman, S.: Towards a More General Theory of Regulations.
13. Skipper, Jr.,H.D. (Ed.): International Risk and Insurance: An EnvironmentalManagerial Approach.
14. Tacchino, K.B. and D.A. Little: Planning for Retirement Needs.

M.A. ECONOMICS FIRST – SEMESTER **Elective Paper** ECONOMICS OF INSURANCE - I		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Risk Management and Insurance in Economic Development,	3
1.2	Insurance Institutions as Financial Intermediaries;	3
1.3	Insurance Institutions as Investment Institutions;	3
1.4	Insurance Institutions in Indian Capital Market;	3
1.5	Regulations Governing Investment of Insurance Institutions in India;	3
1.6	IRDA Rules in this Regard.	3
2.01	Economic Security; Human Quest for Economic Security Through Time;	4
2.02	Exposure to Losses;	1
2.03	Role of Insurance;	1
2.04	Definition of Insurance;	1
2.05	Risk Pooling and Risk Transfer;	3
2.06	Economic and Legal Perspective,	2
2.07	Social vs. Private Insurance;	1
2.08	life vs. Non-Life Insurance	2
2.09	Classification of life,	1
2.10	Health and general Insurance policies.	2
3.1	Fundamentals of Uncertainty and Risk;	3
3.2	Pure Risk And Speculative Risk;	4
3.3	Expected Utility and Decision-making Under Uncertainty;	5
3.4	Expected Utility And Demand for Insurance;	3
3.5	Moral Hazard and Insurance Demand;	3
4.1	Concept of Risk Management;	2
4.2	Essentials of Risk Management;	2
4.3	Elements of Risk Management – Risk Assessment;	2
4.4	Risk Control and Risk Financing;	2
4.5	World Wide Risk Sharing – Concept of Reinsurance,	2
4.6	Fundamentals of Reinsurance,	2
4.7	Types of Reinsurers; Reinsurance Distribution Systems,	2
4.8	Reinsurers Market in Developing Countries.	2
5.01	Fundamentals of Life and Health Insurance;	1
5.02	Functions of Life and Health Insurance	2
5.03	Mathematical Basis of Life Insurance	1
5.04	plans of Life Insurance	1
5.05	Legal Aspects of Life Insurance	1
5.06	Provisions of Policies	1
5.07	Selection and Classificationof Risks	1
5.08	Basics of Premium Construction	1
5.09	Valuation and Distribution of Surplus	2
5.10	Individual Health Insurance, Uses, Types of Evaluation	3
5.11	Principles of Underwriting of Life and Health Insurance	2
5.12	Group Insurance and Superannuation (pension) Schemes	1
5.13	Set up and Management of Insurance	1

- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **SECOND SEMESTER** (EVEN SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 201	CCC	Micro Economics-2	06	04	03	00	03	00
ECO 202	CCC	Macro Economics-2	06	04	03	00	03	00
ECO 203	CCC	Public Economics	06	04	03	00	03	00
ECOS01	OSC	Research Methodology & Computer Application: Basics	06	04	03	00	03	00
ECO B01	ECC/CB	Environmental And Forest Laws	06	04	03	00	03	00
ECO B02	ECC/CB	Economics of Financial Markets and Institutions						
ECO B03	ECC/CB	Industrial Economics						
ECO B04	ECC/CB	Labour Economics						
ECO B05	ECC/CB	Computer Application in Economic Analysis-1						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

M.A. ECONOMICS

SECOND - SEMESTER

Paper – I

Micro Economics–2

Course Code – Eco 201 Course Type –CCC

Course Objective:

The objective of the course is to introduce the student with advanced modern microeconomic theory.

Course Outcomes:

On successful completion of the course, a student will be able to-

CO 01 - develop a sound understanding of the core microeconomic concepts that economists use to understand the process of decision-making by an economic agent(s).

CO 02 -The student should be able to apply mathematical tools and techniques to study behaviour of economic agents.

CO 03 -Besides students will be able to identify strategic behaviour of economic agents and formulate them in a game theoretic framework.

CO 04 -They will be able to identify and analyse strategic interactions and explain negotiation and exchange between economic agents in game theory models.

CO 05 -The students will be able to compute the outcome of normal form games, mixed strategy and sequential games

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO 1	L	L	M	S	M	L	L	L	L
CO 2	L	L	M	S	M	L	L	L	L
CO 3	L	L	M	S	M	L	M	L	L
CO 4	L	L	M	S	M	L	M	L	L
CO 5	L	L	M	S	M	L	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to beasked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to beasked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS SECOND – SEMESTER Paper – I Micro Economics–2	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Distribution-Marginal Productivity theory and Modern theory of distribution, Product Exhaustion theorem, Concept of exploitation of labour, Distribution theories Rent-Ricardian and Modern theory
Module-2 (Lecture-18)	Wages- Modern theory of wage determination,, Trade unions and wages, Collective bargaining.
Module-3 (Lecture-18)	Profit- Risk bearing, Uncertainty, Innovation and Dynamic theory of profit, Macro Distribution theories- Ricardian, Marxian and Kaldorian theories
Module-4 (Lecture-18)	Welfare Economics- Individual and social welfare, value judgement, Problems in measuring welfare, Old and New welfare economics, Pigouvian Welfare Economics, Pareto optimal conditions, Compensation Principle- Kaldor and Hicks, Social welfare function- Bergson and Samuelson, Scitovsky‟s Criterion.
Module-5 (Lecture-18)	Little's criterion of welfare, Arrow‟s Impossibility theorem. Hicksian welfare concept, Theory of Second Best, Monopoly and Optimum Social welfare, Oligopoly and Optimum Social welfare, Monopolistic Competition and Optimum Social welfare.

References

1. Bach G.L. (1977) Economics, Prentice Hall of India, New Delhi.
2. Koutsoyianis, A. (1990) Modern Micro Economics, Macmillan.
3. Lipsey, R.G. and K.A., Ghrystal (1999) Principles of Economics (9th edition) Oxford University Press.
4. उच्चतर व्यष्टि आर्थिक विश्लेषण – वी.सी. सिन्हा एवं पुष्पा सिन्हा
5. व्यष्टि आर्थिक विश्लेषण – डॉ. अनुपम अग्रवाल
6. उच्चतर व्यष्टि अर्थशास्त्र – डॉ. एच.एल. आहूजा
7. सूक्ष्म आर्थिक विश्लेषण – प्रो. एम.एल. सेठ
8. व्यष्टि आर्थिक सिद्धान्त – प्रो. के.एन. वर्मा
9. उच्च आर्थिक सिद्धान्त – एम.एल. झिंगन

M.A. ECONOMICS SECOND – SEMESTER

Paper 1 Micro Economics–2

Course Contents and Lecture Schedule

Module NO.	Topics	No. of Lectures
1.1	Distribution-Marginal Productivity theory and Modern theory ofdistribution,	6
1.2	Product Exhaustion theorem, Concept of exploitation of labour,	6
1.3	Distribution theories Rent- Ricardian and Modern theory,	6
2.1	Wages- Modern theory of wage determination,	3
2.2	Trade unions and wages, Collective bargaining.	2
3.1	Interest - Classical and neo classical theories,	3
3.2	Liquidity Preferencetheory and Modern theory.	3
3.3	Profit- Risk bearing, Uncertainty,	3
3.4	Innovation and Dynamic theory of profit,	4
3.5	Macro Distribution theories- Ricardian,	3
3.6	Marxian and Kaldorian theories,	3
4.1	Welfare Economics- Individual and social welfare,	2
4.2	value judgement,Problems in measuring welfare,	2
4.3	Old and New welfare economics,	2
4.4	Pigouvian Welfare Economics,	2
4.5	Pareto optimal conditions,	2
4.6	Compensation Principle- Kaldor and Hicks,	4
4.7	Social welfare function- Bergson and Samuelson,	2
4.8	Scitovsky‟s Criterion.	2
5.1	Little's criterion of welfare,	2
5.2	Arrow‟s Impossibility theorem.	3
5.3	Hicksianwelfare concept,	3
5.4	Theory of Second Best,	2
5.5	Monopoly and Optimum Socialwelfare,	3
5.6	Oligopoly and Optimum Social welfare,	3
5.7	Monopolistic Competition and Optimum Social welfare.	3

M.A. ECONOMICS

SECOND - SEMESTER

Paper – II

Macro Economics - 2

Course Code – ECO 202 **Course Type – CCC**

Course Outcomes:

CO 01 - Understand the role of expectations in macroeconomics
CO 02 -Gain knowledge about the alternative theories of endogenous expectations formation
CO 03 -Exposure to some later developments in macroeconomic theory, like Real Business Cycle Hypothesis vs. New Keynesian Economics
CO 04 -Gain insight into the alternative policy prescriptions of these two schools of thought.
CO 05 -Understand about the macroeconomics, basics of open economy
CO 06 -Develop knowledge and understanding of theory and concepts of financial market system
CO 07 -Develop the learners knowledge and understanding of Asset Demand and Supplu and its application in monetary and capital markets practices .
CO 08 -Provides the backdrop against which the approaches to Term and Risk Structure of Interests has evolved and analysis of current approaches
CO 09 -Explores Information Asymmetry in debt and credit markets as a category of analysis strengthening the student's knowledge on debt and credit market structures

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	L	S	M	M	M	M	M	L
CO2	M	L	S	S	M	M	M	M	L
CO3	M	L	S	S	M	M	M	L	L
CO4	M	L	S	M	M	M	M	L	L
CO5	M	L	S	M	M	M	M	L	L
CO6	M	L	S	M	M	M	M	M	L
CO7	M	L	S	M	M	M	M	M	L
CO8	M	L	S	M	M	M	M	L	L
CO9	M	L	S	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS SECOND – SEMESTER Paper 1 Micro Economics–2	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Employment theory and consumption function - Classical and Keynesian theory of Wage and Employment, Modern theory of Wage and Employment, Concept of consumption function, marginal and average, short run and long run consumption function.
Module-2 (Lecture-18)	Keynesian Psychological law of consumption, Determinants of consumption function, Various theories of Consumption function- Absolute Income hypothesis, Relative Income hypothesis, Permanent Income hypothesis and Life cycle hypothesis.
Module-3 (Lecture-18)	Inflation - types, causes and effects, Cost push and Demand pull inflation, Classical, Keynesian and monetarist approaches to inflation, Philips curve analysis Tobin's Modified Philips curve, Structuralism theory of Inflation, Policies to control Inflation.
Module-4 (Lecture-18)	Deflation – Causes and Effects, Measures to Control Deflation, Stagflation, Neo Classical and Keynesian views on Interest and Income, The IS- LM Model, Derivation of IS and LM Curves.
Module-5 (Lecture-18)	Trade cycles- Characteristics and causes of trade cycles, Theories of trade cycles - Hawtrey, Hayek, Schumpeter, Wicksell, Samuelson and Hicks" theory of Trade cycle, Anti Cyclical Policy, monetary approach of balance of payment.

References-

1. Markley, G (1978)Macro Economics; Theory and Policy, Macmillan.
2. Aornbusch, R. and F (1997) Macro Economics, Mc Graw Hill, inc New York.
3. Jha, R. (1991) Contemporary Macro Economic Theory and Policy, New Delhi.
4. समष्टि आर्थिक विश्लेषण – सिंघई व मिश्रा साहित्य भवन, आगरा
5. उच्चतर समष्टि अर्थशास्त्र – वी.सी. सिन्हा एवं पुष्पा सिन्हा, लोक भारती प्रकाशन
6. उच्चतर समष्टि अर्थशास्त्र – प्रो. एम.एल. झिंगन, विकास पब्लिशिंग हाउस
7. मैक्रो इकानामिक थ्योरी – प्रो. डी.एन. गुर्टू
8. समष्टि अर्थशास्त्र – प्रो. एम.सी. वैश्य

M.A. ECONOMICS SECOND – SEMESTER Paper 1 Micro Economics–2		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Employment theory and consumption function - Classical and Keynesian.	5
1.2	theory of Wage and Employment,	4
1.3	Modern theory of Wage and Employment	4
1.4	Concept of consumption function, marginal and average, short run and long run consumption function	5
2.1	Keynesian Psychological law of consumption	3
2.2	Determinants of consumption function	3
2.3	Various theories of Consumption function- Absolute Income hypothesis Various theories of Consumption function- Absolute Income hypothesis	6
2.4	Relative Income hypothesis	2
2.5	Permanent Income hypothesis and Life cycle hypothesis	4
3.1	Inflation - types, causes and effects, Cost push and Demand pull inflation	4
3.2	Classical, Keynesian and monetarist approaches to inflation	3
3.3	Philips curve analysis Tobin's Modified Philips curve	3
3.4	Structuralism theory of Inflation	2
3.5	Policies to control Inflation	2
3.6	Deflation- Causes and effects	2
3.7	policies to control deflation	2
4.1	Deflation – Causes and Effects	3
4.2	Measures to Control Deflation	3
4.3	,Stagflation,	2
4.4	Neo Classical and Keynesian views on Interest and Income,	4
4.5	The IS- LM Model,	3
4.6	Derivation of IS and LM Curves.	3
5.1	Trade cycles- Characteristics and causes of trade cycles	2
5.2	Theories oftrade cycles - Hawtrey, Hayek	4
5.3	Schumpeter, Wicksell, Samuelson and Hicks	5
5.4	theory of Trade cycle	2
5.5	Anti Cyclical Policy	2
5.6	monetary approach of balance of payment.	3

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M.A. ECONOMICS

SECOND - SEMESTER

Paper – III

Public Economics

Course Code – ECO 203 Course Type – CCC

Course Outcomes:

CO 01 - Develops an understanding of various aspects public choice theory

CO 02 - Familiarity with the different aspects of fiscal federalism Acquaintance with the technique of cost-benefit analysis for project appraisal

CO 03 - Understanding of various aspects of fiscal policy and debt management

CO 04- Acquaintance with the phenomenon of externality and the role of government

CO 05- The overall outcome of the course is the development of an understanding of public sector financial

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MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	S	S	M	M	L	M	L	L
CO2	S	S	S	S	M	L	M	L	L
CO3	S	S	S	S	M	L	M	L	L
CO4	S	S	S	M	M	L	M	L	L
CO5	S	S	S	M	M	L	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS SECOND – SEMESTER Public Economics	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Public Finance- Definition and scope, Role of Public Finance in Economic growth, Market failure, Imperfections, Indivisibility, Role of Govt. in economic activity Principle of Maximum Social Advantage. Types of Goods- Private, Public and Merit Goods, Public Expenditure- Classification of Public Expenditure, Principles of Public Expenditure, Structure and growth of Public expenditure in India.
Module-2 (Lecture-18)	Effects of Public expenditure on Production and Distribution, Public expenditure and economic stability. Wagner‟s law and Samuelson‟s pure theory of public expenditure. Growth of Public expenditure in Chhattisgarh State. Public Revenue- Sources of Public Revenue, classification of Public Revenue, Meaning and Definition of Tax, Taxation-canons of taxation, Kinds of Taxes- Direct and Indirect Tax, characteristics of a good tax system.
Module-3 (Lecture-18)	Impact, incidence and shifting of tax, theories of incidence of tax, Elements of incidence and shifting of tax, Problem of Justice in taxation, effects of taxation. Taxable capacity, Taxes imposed by central and state Govts. Public Debt - Objectives and importance of public debt, Difference between public debt and private debt, classification of public debt, sources of public debt, principles of public debt effects of public debt, Burden of Public debt, Redemption of public debt, Principles of public Debt management, Growth of Public Debt in India.
Module-4 (Lecture-18)	Public Budget - Importance of Public Budget, Kinds and classification of Public Budget, Preparation and Passing of Public Budget in India, Zero Based Budget, Performance Budgeting. Financial Administration- Principles, Committes for financial control. Federal Finance- meaning and principles of federal finance, financial adjustment, centre-state financial relations
Module-5 (Lecture-18)	Provision for resources transfer from centre to states. Grants–In-Aid, Unbalance between fiscal needs and resource transfer, Debate on centre-State financial relations, Finance commission-Jurisdiction and functions, Recommendation of latest finance commission. Problem of state resources and indebtedness. Financial responsibilities of Chhattisgarh Govt, Last Budget of Central Govt., Chhattisgarh state‟s recent budget.

References-

1. Musgrave, R.A. & P.B. Murgrave, Public Finance in theory and Practice, Kogakusha, Tokyo.
2. Chelliah, Raja- Trends and Issues in India`s Federal Finance
3. Jha, R(1998) Modern Public Economics, Routledge, London.
4. Public Economics – H.L. Bhatia
5. सार्वजनिक अर्थशास्त्र– वी.सी. सिन्हा, लोक भारती प्रकाशन, इलाहाबाद
6. राजस्व–जे.सी. वार्ष्णेय, साहित्य भवन पब्लिशर्स एंड डिस्ट्रीब्यूटर्स

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Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.01	Public Finance- Definition and scope	2
1.02	Role of Public Finance in Economic growth	2
1.03	Market failure, Imperfections, Indivisibility	3
1.04	Role of Govt. in economic activity Principle of Maximum Social Advantage	2
1.05	Types of Goods- Private, Public and Merit Goods	3
1.06	Public Expenditure- Classification of Public Expenditure	2
1.07	Principles of Public Expenditure	2
1.08	Structure and growth of Public expenditure in India.	2
2.01	Effects of Public expenditure on Production and Distribution	2
2.02	Public expenditure and economic stability	2
2.03	Wagner‟s law and Samuelson‟s pure theory of public expenditure	4
2.04	Growth of Public expenditure in Chhattisgarh State	2
2.05	Public Revenue- Sources of Public Revenue	2
2.06	Classification of Public Revenue	2
2.07	Meaning and Definition of Tax	1
2.08	Taxation-canons of taxation	1
2.09	Kinds of Taxes- Direct and Indirect Tax	1
2.10	Characteristics of a good tax system.	1
3.01	Impact, incidence and shifting of tax	3
3.02	Theories of incidence of tax	1
3.03	Elements of incidence and shifting of tax	1
3.04	Problem of Justice in taxation	1
3.05	Effects of taxation	1
3.06	Taxable capacity	1
3.07	Taxes imposed by central and state Govts	1
3.08	Public Debt - Objectives and importance of public debt	1
3.09	Difference between public debt and private debt	1
3.10	Classification of public debt	1
3.11	Sources of public debt	1
3.12	Principles of public debt effects of public debt	1
3.13	Burden of Public debt	1
3.14	Redemption of public debt	1
3.15	Principles of public Debt management	1
3.16	Growth of Public Debt in India.	1
4.01	Public Budget - Importance of Public Budget	2
4.02	Kinds and classification of Public Budget	2
4.03	Preparation and Passing of Public Budget in India	2
4.04	Zero Based Budget	1
4.05	Performance Budgeting	2
4.06	Financial Administration- Principles	2
4.07	Committes for financial control	2
4.08	Federal Finance- meaning and principles of federal finance	2
4.09	Financial adjustment	1
4.10	Centre-state financial relations	2

M.A. ECONOMICS

(SECOND - SEMESTER)

COURSE TITLE:RESEARCH METHODOLOGY & COMPUTER APPLICATION: BASICS

COURSE CODE: ECO S01 **COURSE TYPE:OSC**

Course Objective: The objective of the course is to provide with Computer knowledge on Econometric applications of Economic theory

Course Outcome

- **CO 01.** Knowledge about spurious regression
- **CO 02-** Data generating process
- **CO 03.** Unit root test
- **CO 04.** Co integration
- **CO 05.** Vector Error correction Model
- **CO 06.** Granger Causality
- **CO 07.** Knowledge about forecasting Importance of forecasting of economic variables for policy decision
- **CO 08.** Knowledge about Panel data .
- **CO 09.** Difference between Pooled data and Panel data
- **CO 10.** Fixed effect Model
- **CO 11.** Random Effect Model

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	M	S	M	M	L	M	L	L
CO2	S	M	S	S	M	L	M	L	L
CO3	S	M	S	S	M	L	M	L	L
CO4	S	M	S	M	M	L	M	L	L
CO5	S	M	S	M	M	L	M	L	L
CO6	S	M	S	M	M	L	M	L	L
CO7	S	M	S	M	M	L	M	L	L
CO8	S	M	S	M	M	L	M	L	L
CO9	S	M	S	M	M	L	M	L	L
CO10	S	M	S	M	M	L	M	L	L
C011	S	M	S	M	M	L	M	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE:

- Understands the concept and place of research in concerned subject
- Gets acquainted with various resources for research
- Becomes familiar with various tools of research
- Gets conversant with sampling techniques, methods of research and techniques of analysis of data
- Achieves skills in various research writings
- Gets acquainted with computer Fundamentals and Office Software Package .

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M.A. ECONOMICS (SECOND - SEMESTER) **RESEARCH METHODOLOGY & COMPUTER APPLICATION: BASICS** SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**CONCEPT OF RESEARCH :** Meaning and characteristics of research , Steps in research process , Types of research i) Basic, applied and action research ii) ii)Quantitative and qualitative research , Areas ofresearch in concern discipline **SELECTION OF PROBLEM FOR RESEARCH :** Sources of the selection of the problem , Criteria of the selection of the problem ,Draftinga research proposal , Meaning and types of variables ,Meaning and types of hypotheses.
Module-2 (Lecture-18)	**TOOLS OF RESEARCH :** Meaning and general information about construction procedure of (i) Questionnaire, (ii) Interview, (iii) Psychological test, (iv) observation (v) Rating scale (vi) Attitute scale and (vii) check list , Advantages and disadvantages of above tools **SAMPLING :** Meaning of population and sample , Importance and characteristics of sample , Sampling techniques - i) Probability sampling : random sampling, stratified random sampling, systematic sampling, cluster sampling ii) Non-probability sampling: incidental sampling, purposive sampling, quata sampling
Module-3 (Lecture-18)	**METHODS OF RESEARCH** Meaning and conducting procedure of following methods of research Survey method , Case study , Causal comparative method , Developmental methods, Experimental methods **TREATMENT OF DATA :** Level of measurements of data , Steps in treatment of data: editing, coding, classification, tabulation, analysis and interpretation of results **WRITING RESEARCH REPORT** Section of report: Prelimainary section, content section: various chapters, Supplementary section: appendices, references, abstract, Format and style
Module-4 (Lecture-18)	**COMPUTER FUNDAMENTALS** **Computer System:** Basic Application of Computer, Generation of computer. **Parts of Computer System :** Block Diagram of Computer System, Central Processing Unit (CPU), Concepts and types of Hardware and Software, Input Deviced- Mouse, Keyboard, Scanner Bar Code Reader track ball, Output Devices- Monitor, Ptinter, Plotter, Speaker; Computer Memory- Primary and secondary memory, magnetic and oplical storage devices. **Operating Systems - MS Windows :** Basics of Windows OS ; Components of Windows - icons, taskbar, activating windows, using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders. **Control panel :** display properties, adding and removing software and hardware, setting date and time, screensaver and appearance
Module-5 (Lecture-18)	**Windows Accessories :** Calculator, Notepad, WordPad, Paint Brush, Command Prompt, Windows Explorer. **Office Software Package** **Word Processing - MS Word :**Creating, Saving, Opening, Editing, Formatting, Page Setup and printing Documents ; Using tables, pictures, and charts in Documents ; Using Mail Merge sending a document to a group of people and creating form, letters and label. **Spreadsheet - MS Excel :**Opening a Blank or New Workbook, entering data/Function/ Formula into worksheet cell, Saving, Editing, Formatting, Page Setup and printing Workbooks. **Presentation Software - MS Power Point :** Creating and enhancing a presentation, modifying a presentation, working with visual elements, adding Animations & Transitions and delivering a presentation.

M.A. ECONOMICS (SECOND - SEMESTER)

RESEARCH METHODOLOGY & COMPUTER APPLICATION: BASICS

1. ***SUGGESTED READINGS***
2. *Agrawal, Y. P. (1988).* ***Better sampling : Concepts, Techniques and Evaluation.*** *New Delhi :sterling Publishers Private Ltd. Best, J. W. (1993).*
3. ***Research in Education*** *(6th ed.) New Delhi : Prentice-Hall of India Pvt. Ltd.*
4. *Broota, K. D. (1992)* ***Experimental design in Behavioral Research*** *(2nd ed.) New Delhi : Wiley Eastern Limited.*
5. *Dasgupta, A. K. (1968).* ***Methodology of Economic Research****. Bombay: Asia Publishing House.*
6. *Edwards, A. L. (1957).* ***Techniques of Attitude Scale construction.*** *New York : Appleton-Contury*
7. *Gall, M. D., Gall, J. P. and Borg, W. R. (200-2507).* ***Educational Research : An introduction***
8. *(8th ed.) Coston : Allyn and Bacon.*
9. *Garrett, H. E. & Woodworth, R. S. (1969).* ***Statistics in Psychology and Education****. BombayVakils, Fecffer& Simons Pvt. Ltd.*
10. *Goode, W. J. &Hatt, Paul K. (1952).* ***Methods in Social Research.*** *New York : McGraw-Hill.*
11. *Gopal, M. H. (1964).* ***An Introduction to research Procedure in Social Sciences.*** *Bombay : Asia Publishing House.*
12. *Hillway, T. (1964)* ***Introduction to Research (2nd ed.)*** *Noston : Houghton Miffin.*
13. *Hyman, H. H., et al. (1975****). Interviewing in Social Research.***
14. *Chicago : University of Chicago Press.*
15. *Kerlinger, F. N. (1983)* ***Foundation of Behavioural Research. (2nd Indian Reprint)*** *New York : Holt, Rinehart and Winston.*
16. *Kothari, C. R. (200-2507)* ***Research Methodology: Methods & Techniques****(3rd ed.)*
17. *New Delhi :WishwaPrakashan.Fundamentals Of Computers, Dr. P. Mohan, Himalaya Publishing House.*
18. *Microsoft First Look Office 2010, K. Murray, Microsoft Press.*
19. *Fundamental Of Research Methodology And Statistics, Y.K. Singh, New Age*
20. *International (P) Limited, Publishers.Practical Research Methods, Dr Catherine Dawson,*
21. ***The Essence Of Research Methodology, Jan Jonker&BartjanPennink, Springer.***

M.A. ECONOMICS (SECOND - SEMESTER)

RESEARCH METHODOLOGY & COMPUTER APPLICATION: BASICS

Course Contents and Lecture Schedule

Module NO.	Topics	No. of Lectures
1.1	**CONCEPT OF RESEARCH :** Meaning and characteristics of research , Steps in research process , Types of research i) Basic, applied and action research ii) Quantitative and qualitative research , Areas ofresearch in concern discipline	8
	SELECTION OF PROBLEM FOR RESEARCH : Sources of the selection of the problem , Criteria of the selection of the problem ,Draftinga research proposal , Meaning and types of variables ,Meaning and types of hypotheses.	8
2.1	**TOOLS OF RESEARCH :** Meaning and general information about construction procedure of (i) Questionnaire, (ii) Interview, (iii) Psychological test, (iv) observation (v) Rating scale (vi) Attitute scale and (vii) check list , Advantages and disadvantages of above tools	8
2.2	**SAMPLING :** Meaning of population and sample , Importance and characteristics of sample , Sampling techniques - i) Probability sampling : random sampling, stratified random sampling, systematic sampling, cluster sampling ii) Non-probability sampling: incidental sampling, purposive sampling, quata sampling	8
3.1	**METHODS OF RESEARCH** Meaning and conducting procedure of following methods of research Survey method , Case study , Causal comparative method , Developmental methods, Experimental methods	6
3.2	**TREATMENT OF DATA :** Level of measurements of data , Steps in treatment of data: editing, coding, classification, tabulation, analysis and interpretation of results	6
3.3	**WRITING RESEARCH REPORT** **Section of report: Prelimainary section, content section: various chapters, Supplementary section: appendices, references, abstract, Format and style**	6
4.1	**COMPUTER FUNDAMENTALS** **Computer System:** Basic Application of Computer, Generation of computer.	5
4.2	**Parts of Computer System :** Block Diagram of Computer System, Central Processing Unit (CPU), Concepts and types of Hardware and Software, Input Deviced- Mouse, Keyboard, Scanner Bar Code Reader track ball, Output Devices- Monitor, Ptinter, Plotter, Speaker; Computer Memory- Primary and secondary memory, magnetic and oplical storage devices.	4
4.3	**Operating Systems - MS Windows :** Basics of Windows OS ; Components of Windows - icons, taskbar, activating windows, using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders.	6
4.4	**Control panel :** display properties, adding and removing software and hardware, setting date and time, screensaver and appearance	3
5.1	**Windows Accessories :** Calculator, Notepad, WordPad, Paint Brush, Command Prompt, Windows Explorer.	2
5.2	**Office Software Package** **Word Processing - MS Word :**Creating, Saving, Opening, Editing, Formatting, Page Setup and printing Documents ; Using tables, pictures, and charts in Documents ; Using Mail Merge sending a document to a group of people and creating form, letters and label.	8
5.3	**Spreadsheet - MS Excel :**Opening a Blank or New Workbook, entering data/Function/ Formula into worksheet cell, Saving, Editing, Formatting, Page Setup and printing Workbooks.	4
5.4	**Presentation Software - MS Power Point :** Creating and enhancing a presentation, modifying a presentation, working with visual elements, adding Animations & Transitions and delivering a presentation.	4

M.A. ECONOMICS

(SECOND SEMESTER)

ELECTIVE PAPER

COURSE TITLE: ENVIRONMENTAL AND FOREST LAWS

COURSE CODE : ECO B01 **COURSE TYPE** :ECC/CB

Course Outcomes:

CO 01. On completion of the course, the student will be able to identify dynamic resource utilisation problems in the context of renewable and non-renewable resources.

CO 02. The course the students will be able to identify the various property rights regime and understand the institutional economic approach to resource management.

CO 03. The students will also about the alternative resource depletion time-path under various market regimes.

CO 04. Besides, the course will enable a student to will be able to understand the risk and uncertainty associated with resource use.

CO 05. The objective of the course is to develop economic perspectives on modern environmental issues and to apply economic theory.

CO 06. After completion of the course, the students will be able to learn that economic objectives are not necessarily in conflict with environmental goals, and that markets mechanisms can be useful to improve environmental quality.

CO 07. At the end of the course, the student will be able to place environmental problems in an economic framework.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	M	M	M	M	M	M	L	L
CO2	S	M	M	L	M	M	M	L	L
CO3	S	M	M	L	M	M	M	L	L
CO4	S	M	M	M	M	M	M	L	L
CO5	S	M	M	M	M	M	M	L	L
CO6	S	M	M	M	M	M	M	L	L
CO7	S	M	M	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to beasked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to beasked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE:

- Understands the concept and place of research in concerned subject
- Gets acquainted with various resources for research
- Becomes familiar with various tools of research

M.A. ECONOMICS (SECOND SEMESTER)ELECTIVE PAPER
COURSE TITLE: ENVIRONMENTAL AND FOREST LAWS

SYLLABUS

Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**EVOLUTION OF FOREST AND WILD LIFE LAWS** 1 Importance of Forest and Wildlife 2 Evolution of Forest and Wild Life Laws 3 Forest Policy during British Regime 4 Forest Policies after Independence. 5 Methods of Forest and Wildlife Conservation. **WILDLIFE PROTECTION AND LAW** 1 Wild Life Protection Act, 1972 2 Wild Life Conservation strategy and Projects 3 The National Zoo Policy
Module-2 (Lecture-18)	**FOREST PROTECTION AND LAW** a) Indian Forest Act, 1927 b) Forest Conservation Act, 1980 & Rules therein c) Rights of Forest Dwellers and Tribal c) The Forest Rights Act, 200-2506. d) National Forest Policy 1988.
Module-3 (Lecture-18)	**BASIC CONCEPTS** a. Meaning and definition of environment. b. Multidisciplinary nature of environment c. Concept of ecology and ecosystem d. Importance of environment e. Meaning and types of environmental pollution. f Factors responsible for environmental degradation. **INTRODUCTION TO LEGAL SYSTEM** a. Acts, Rules, Policies, Notification, circulars etc b. Constitutional provisions on Environment Protection c. Judicial review, precedents d. Writ petitions, PIL and Judicial Activism **LEGISLATIVE FRAMEWORK FOR POLLUTION CONTROL LAWS** a) Air Pollution and Law. b) Water Pollution and Law. c) Noise Pollution and Law.
Module-4 (Lecture-18)	**LEGISLATIVE FRAMEWORK FOR ENVIRONMENT PROTECTION** a) Environment Protection Act & rules there under b) Hazardous Waste and Law c) Principles of Strict and absolute Liability. d) Public Liability Insurance Act e) Environment Impact Assessment Regulations in India
Module-5 (Lecture-18)	**ENVIRONMENTAL CONSTITUTIONALISM** a. Fundamental Rights and Environment i) Right to Equality …….Article 14 ii) Right to Information ……Article 19 iii) Right to Life ……..Article 21 iv) Freedom of Trade vis-à-vis Environment Protection b. The Forty-Second Amendment Act c. Directive Principles of State Policy & Fundamental Duties d. Judicial Activism and PIL.

M.A. ECONOMICS (SECOND SEMESTER)ELECTIVE PAPER
COURSE TITLE: ENVIRONMENTAL AND FOREST LAWS

SUGGESTEDREADINGS

Bharucha, Erach. Text Book of Environmental Studies. Hyderabad : University Press (India) Private limited, 200-2505.

Doabia, T. S. Environmental and Pollution Laws in India. New Delhi: Wadhwa and Company, 200-2505.

Joseph, Benny. Environmental Studies, New Delhi: Tata McGraw-Hill Publishing Company Limited, 200-2506.

Khan. I. A, Text Book of Environmental Laws. Allahabad: Central Law Agency, 200-2502.

Leelakrishnan, P. Environmental Law Case Book. 2nd Edition. New Delhi: LexisNexis Butterworths, 200-2506.

Leelakrishnan, P. Environmental Law in India. 2nd Edition. New Delhi: LexisNexis Butterworths, 200-2505.

Shastri, S. C (ed). Human Rights, Development and Environmental Law, An Anthology. Jaipur: Bharat law Publications, 200-2506.

Environmental Pollution by Asthana and Asthana, S,Chand Publication

Environmental Science by Dr. S.R.Myneni, Asia law House

Gurdip Singh, Environmental Law in India (200-2505) Macmillan.

Shyam Diwan and Armin Rosencranz, Environmental Law and Policy in India – Cases, Materials and Statutes (2nd ed., 200-2501) Oxford University Press.

JOURNALS :-

Journal of Indian Law Institute, ILI New Delhi.

Journal of Environmental Law, NLSIU, Bangalore.

MAGAZINES :-

Economical and Political Weekly

Down to Earth.

M.A. ECONOMICS (SECOND SEMESTER)ELECTIVE PAPER COURSE TITLE: ENVIRONMENTAL AND FOREST LAWS		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	**EVOLUTION OF FOREST AND WILD LIFE LAWS** 1 Importance of Forest and Wildlife 2 Evolution of Forest and Wild Life Laws 3 Forest Policy during British Regime 4 Forest Policies after Independence. 5 Methods of Forest and Wildlife Conservation.	11
1.2	**WILDLIFE PROTECTION AND LAW** 1 Wild Life Protection Act, 1972 2 Wild Life Conservation strategy and Projects 3 The National Zoo Policy	7
2.1	**FOREST PROTECTION AND LAW** 1. Indian Forest Act, 1927 2. Forest Conservation Act, 1980 & Rules therein 3. Rights of Forest Dwellers and Tribal 4. The Forest Rights Act, 200-2506. 5. National Forest Policy 1988.	18
3.1	**BASIC CONCEPTS** 1. Meaning and definition of environment. 2. Multidisciplinary nature of environment 3. Concept of ecology and ecosystem 4. Importance of environment 5. Meaning and types of environmental pollution. 6. Factors responsible for environmental degradation.	6
3.2	**INTRODUCTION TO LEGAL SYSTEM** a. Acts, Rules, Policies, Notification, circulars etc b. Constitutional provisions on Environment Protection c. Judicial review, precedents d. Writ petitions, PIL and Judicial Activism	6
3.3	**LEGISLATIVE FRAMEWORK FOR POLLUTION CONTROL LAWS** 1. Air Pollution and Law. 2. Water Pollution and Law. 3. Noise Pollution and Law.	6
4.1	**LEGISLATIVE FRAMEWORK FOR ENVIRONMENT PROTECTION** 1. Environment Protection Act & rules there under 2. Hazardous Waste and Law 3. Principles of Strict and absolute Liability. 4. Public Liability Insurance Act 5. Environment Impact Assessment Regulations in India	18
5.1	**ENVIRONMENTAL CONSTITUTIONALISM** 1. Fundamental Rights and Environment a. Right to Equality …….Article 14 b. Right to Information ……Article 19 c. Right to Life ……..Article 21 d. Freedom of Trade vis-à-vis Environment Protection	14
5.2	a. The Forty-Second Amendment Act b. Directive Principles of State Policy & Fundamental Duties c. Judicial Activism and PIL.	4

M. A. ECONOMICS
(SECOND SEMESTER)
ELECTIVE PAPER

COURSE CODE: ECO B02 **COURSE TYPE : ECC/CB**

COURSE TITLE: Economics of Financial Markets and Institutions

COURSE OUTCOME

CO O1 - It will enable them to understand the evolution of the measures of development.
CO O2 - It will acquaint them with the latest theories of economic development.
CO O3 - It will provide them with an understanding of how development is financed through domestically mobilized resources.
CO O4- Understanding about how the question of the ability to be knowledgeable becomes prominent when we inquire about the prosperity of a nation or a region of the world..
CO O5 - Getting acquainted with the economics of education.
Familiarity with the concept of human capital and modalities associated with the Human Capital Project of the World Bank Group.
CO O6 - Understanding the concepts of health and health care and their linkage with economic development and vice-versa.
CO O7 - Familiarity with the application of econometric tools to study the factors in the demand and supply sides economics of health care.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	M	M	M	M	M	M	L	L
CO2	S	M	M	M	M	M	M	L	L
CO3	S	M	M	M	M	M	M	L	L
CO4	S	M	M	M	M	M	M	L	L
CO5	S	M	M	M	M	M	M	L	L
CO6	S	M	M	M	M	M	M	L	L
CO7	S	M	M	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: The positive and significant role of financial institutions in the process of growth and development has been very well recognized in the literature and indeed has become more important during the last two decades as the financial systems of different countries have become integrated in the process of globalization.

M.A. ECONOMICS (SECOND SEMESTER) ELECTIVE PAPER - Economics of Financial Markets and Institutions	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	*Financial Markets and Financial Institutions :* The role and structure of Financial Markets in the Economy. Functions of Financial Institutions. *Introduction to Corporate Finance :* Various Methods of Corporate Finance, Goals of Financial Management, The Cost of Capital and the Capital Structure.
Module-2 (Lecture-18)	*The Supply of Securities :* Regulations Governing Supply of Securities, GeneralMutual Funds and Money Market Funds.
Module-3 (Lecture-18)	*The Demand for Securities :* The Time Dimension – Present Value and Duration, Yields on Zero-Coupon Bonds. Measurement of risk, Expected
Module-4 (Lecture-18)	*Efficiency of Securities Markets :* The Efficient Market Hypothesis (EMH), The Capital Asset Pricing Model (CAPM), The Arbitrage Pricing Theory (APT). *Regulation of Financial Markets :* Securities and Exchange Board of India (SEBI) – Role and Functions. Recent Reforms in the Indian Financial Market.
Module-5 (Lecture-18)	*Foreign Exchange Market :* Nature, Organization and Participants.

SUGGESTEDREADINGS

1. Bhole, L. M. (200-2502) : Financial Institutions and Markets, Tata McGraw Hill Publishers Company Ltd., New Delhi.
2. Eatwell, John and Taylor Lance (200-2503) : International Capital Markets, System inTransition, Oxford University Press, Delhi.
3. Fabozzi, Frank J. Modigliani Franco (Third Edition) : Capital Markets, Institution andInstruments, Prentice Hall of India Pvt. Ltd., New Delhi.
4. Khan, M. Y. (200-2500-600) : Indian Financial System, Tata McGraw Hill, New Delhi.
5. Government of India : Economic Survey (Recent Issues).
6. Reserve Bank of India : Various Reports.

M.A. ECONOMICS (SECOND SEMESTER) ELECTIVE PAPER - Economics of Financial Markets and Institutions		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	*Financial arkets and Financial Institutions*, The role and structure of FinancialMarkets in the Economy	5
1.2	Functions of Financial Institutions, Introduction to Corporate Finance	6
1.3	Various Methods of Corporate Finance, Goals of Financial Management.	5
1.4	The Cost of Capital and the Capital Structure.	4
2.1	*The Supply of Securities :* Regulations Governing Supply of Securities.	9
2.2	GeneralMutual Funds and Money Market Funds.	9
3.1	*The Demand for Securities :* The Time Dimension – Present Value and Duration.	9
3.2	Yields on Zero-Coupon Bonds. Measurement of risk, Expected.	9
4.1	*Efficiency of Securities Markets :* The Efficient Market Hypothesis (EMH), The Capital Asset Pricing Model (CAPM), The Arbitrage Pricing Theory (APT).	9
4.2	*Regulation of Financial Markets :* Securities and Exchange Board of India (SEBI) – Role andFunctions. Recent Reforms in the Indian Financial Market.	9
5.1	*Foreign Exchange Market :* Nature, Organization and Participants.	18

M.A. ECONOMICS

SECOND - SEMESTER

Elective Paper

Industrial Economics

Course Code – ECO B03 **Course Type – CCC /CB**

Course Outcome

CO 01. Knowledge about spurious regression
CO 02- Data generating process
CO 03. Unit root test
CO 04. Co integration
CO 05. Vector Error correction Model
CO 06. Granger Causality
CO 07. Knowledge about forecasting Importance of forecasting of economic variables for policy decision
CO 08. Knowledge about Panel data .
CO 09. Difference between Pooled data and Panel data
CO 10. Fixed effect Model
CO 11. Random Effect Mode

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	M	M	M	M	M	M	M	M
CO2	M	M	M	M	M	M	M	M	M
CO3	M	M	M	M	M	M	M	M	M
CO4	M	M	M	M	M	M	M	M	M
CO5	M	M	M	M	M	M	M	M	M
CO6	M	M	M	M	M	M	M	M	M
CO7	M	M	M	M	M	M	M	M	M
CO8	M	M	M	M	M	M	M	M	M
CO9	M	M	M	M	M	M	M	M	M
CO10	M	M	M	M	M	M	M	M	M
CO11	M	M	M	M	M	M	M	M	M

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS SECOND SEMESTER **Elective Paper Industrial Economics**	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Industrial economics – Frame work, Concept and organization of a firm, Types of Firm, Objectives of the Firm, market structure and profitability, market structure and innovation, Profit maximization, Barriers to entry and exit.
Module-2 (Lecture-18)	Market Performance – Growth of the Firm , Size of The Firm, Productivity , Efficiency and capacity utilization, Determinants of Industrial Growth, Problems of industrial localization- Recent trend in industrial growth.
Module-3 (Lecture-18)	Theories of Industrial Localization-Alfred Weber and sargeant Florence"s theory, causes of Industrial Localization, Localization of industries in India.
Module-4 (Lecture-18)	Merger, Acquisitions, Collaboration, MNCs and transfer of technology, Role of public and private sector, Pollution control policies, Role of industrial policy in India.
Module-5 (Lecture-18)	Regional industrial growth in India, Causes of Industrial imbalances, Sources of Industrial finance-IDBI, IFCI, SFC and SIDC, Industrial Disputes and Industrial Relations.

References

1. Ahluwalia, I.J.-Industrial Growth in India. Oxford university press New Delhi.
2. Barthwal R.R-Industrial Economics, wiley Eastern Ltd, New Delhi.
3. Desai, B.-Industrial Economics in India-Himalaya Publishing House, Mumbai.
4. Singh, A. and A.N. Sadhu-Industrial Economics-Himalaya Publishing House-Mumbai.
5. औद्योगिक अर्थशास्त्र–आर. एस. कुलश्रेष्ठ साहित्य भवन पब्लिकेशन, आगरा.
6. Industrial Relations and Collective Bargaining, Nirmal Singh & S.K. Bhatia, Deep & Deep Publication.

M.A. ECONOMICS SECOND SEMESTER Elective Paper Industrial Economics		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Industrial economics – Frame work, Concept and organization of a firm.	6
1.2	Types of Firm, Objectives of the Firm, market structure and profitability	6
1.3	Market structure and innovation, Profit maximization, Barriers to entry and exit.	6
2.1	Market Performance – Growth of the Firm , Size of The Firm, Productivity.	6
2.2	Efficiency and capacity utilization, Determinants of Industrial Growth.	6
2.3	Problems of industrial localization- Recent trend in industrial growth.	6
3.1	Theories of Industrial Localization-Alfred Weber and Sargeant Florence"s theory,	9
3.2	Causes of Industrial Localization, Localization of industries in India.	9
4.1	Merger, Acquisitions, Collaboration, MNCs and transfer of technology.	6
4.2	Role of public and private sector.	6
4.3	Pollution control policies, Role of industrial policy in India.	6
5.1	Regional industrial growth in India.	4
5.2	Causes of Industrial imbalances.	4
5.3	Sources of Industrial finance-IDBI, IFCI, SFC and SIDC, Industrial Disputes and Industrial Relations.	10

M.A. ECONOMICS
SECOND - SEMESTER
Elective Paper
Labour Economics

Course Code – ECO B04 **Course Type – CCC /CB**

Course Outcome

CO 01. Knowledge about spurious regression
CO 02- Data generating process
CO 03. Unit root test
CO 04. Co integration
CO 05. Vector Error correction Model
CO 06. Granger Causality
CO 07. Knowledge about forecasting Importance of forecasting of economic variables for policy decision
CO 08. Knowledge about Panel data .
CO 09. Difference between Pooled data and Panel data
CO 10. Fixed effect Model
CO 11. Random Effect Mode

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	L	M	M	M	M	M	M	M
CO2	M	L	M	M	M	M	M	M	M
CO3	M	L	M	M	M	M	M	M	M
CO4	M	L	M	M	M	M	M	M	M
CO5	M	L	M	M	M	M	M	M	M
CO6	M	L	M	M	M	M	M	M	M
CO7	M	L	M	M	M	M	M	M	M
CO8	M	L	M	M	M	M	M	M	M
CO9	M	L	M	M	M	M	M	M	M
CO10	M	L	M	M	M	M	M	M	M
CO11	M	L	M	M	M	M	M	M	M

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS SECOND SEMESTER **Elective Paper Labour Economics**	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Nature and Problems of Labour, Nature and characteristics of Labour markets in India, Efficiency of Indian Labour. Absenteeism and Labour Turnover. Sources of supply of industrial labour, methods of recruitment in India, Employment Exchange in India.
Module-2 (Lecture-18)	Labour and Productivity- factors affecting productivity, causes for low labour productivity in India, National Productivity Council. Labour and Rationalization-aims, elements and advantages of Rationalization. Need of Rationalization in Indian industries.
Module-3 (Lecture-18)	Trade union & Labour movement- objectives and functions of Trade unions, Labour Movement in India. Collective Bargaining- Process, Need, Importance and Advantages of Collective Bargaining of Trade unions.
Module-4 (Lecture-18)	Wages, wage differentials, Progressive Wage system, Classical**,** Modern and Collective Bargaining theories of wage determination, Living wages, Minimum wages, Fair wages, need of standardization of wages. Worker`s Participation in management. National wage policy and Exit policy, Need for safety nets.
Module-5 (Lecture-18)	Social security, Provisions of social security in India. Present position of social security in India, Labour welfare works in India, Labour legislation in India after independence, Child labour, Women Labour, International Labour organization (ILO).Social Insurance, Chhattisgarh State‟s labour policies regarding social security and labour welfare.

References-

1. Hajela, P.D. Labour Restructuring in India, Commonwealth Publishers, New Delhi.
2. Lester, R.A.- Economics of Labour, macmillan, New york.
3. Papola, P.P.Ghosh and A.N. Sharma- Labour, Employment and Industrial Relations in India, B.P. Publishing Corporation, New Delhi.
4. श्रम अर्थशास्त्र–वी.सी.सिन्हा व पुष्पा सिन्हा, मयूर पेपर वर्क्स, नोएडा.
5. Labour Economics, (principles, Problems and practices) Jimitesh kumar Singh,Deep & Deep Publications.
6. Saxena, R.C. Labour Problems and Social Welfare.
7. श्रम समस्यायें एवं सामाजिक कल्याण – आर. सी. सक्सेना

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M.A. ECONOMICS SECOND SEMESTER **Elective Paper Labour Economics**		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Nature and Problems of Labour, Nature and characteristics of Labour markets in India, Efficiency of Indian Labour.	6
1.2	Absenteeism andLabour Turnover. Sources of supply of industrial labour.	6
1.3	methods ofrecruitment in India, Employment Exchange in India.	6
2.1	Labour and Productivity- factors affecting productivity,	4
2.2	Causes for low labour productivity in India, National Productivity Council.	5
2.3	Labour and Rationalization-aims, elements and advantages of Rationalization.	5
2.4	Need of Rationalization in Indian industries.	4
3.1	Trade union & Labour movement- objectives and functions of Trade unions, Labour Movement in India.	9
3.2	Collective Bargaining- Process, Need, Importance and Advantages of Collective Bargaining of Trade unions.	9
4.1	Wages, wage differentials, Progressive Wage system, Classical	4
4.2	Modernand Collective Bargaining theories of wage determination.	4
4.3	Living wages, Minimum wages, Fair wages, need of standardization of wages.	5
4.4	Worker`s Participation in management. National wage policy and Exit policy, Need for safety nets.	5
5.1	Social security, Provisions of social security in India. Present position ofsocial security in India.	5
5.2	Labour welfare works in India, Labour legislation in India after independence.	4
5.3	Child labour, Women Labour, International Labour organization (ILO).	5
5.4	Social Insurance, Chhattisgarh State‟s labour policies regarding social security and labour welfare.	4

M.A. ECONOMICS

SECOND - SEMESTER

Elective Paper

COMPUTER APPLICATION IN ECONOMIC ANALYSIS – I

Course Code – ECO B05 **Course Type – CCC /CB**

Course Outcome

CO 01. Knowledge about spurious regression
CO 02- Data generating process
CO 03. Unit root test
CO 04. Co integration
CO 05. Vector Error correction Model
CO 06. Granger Causality
CO 07. Knowledge about forecasting Importance of forecasting of economic variables for policy decision
CO 08. Knowledge about Panel data .
CO 09. Difference between Pooled data and Panel data
CO 10. Fixed effect Model
CO 11. Random Effect Model

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	S	S	M	M	M	M	M	M
CO2	S	S	S	M	M	M	M	M	M
CO3	S	S	S	M	M	M	M	M	M
CO4	S	S	S	M	M	M	M	M	M
CO5	S	S	S	M	M	M	M	M	M
CO6	S	S	S	M	M	M	M	M	M
CO7	S	S	S	M	M	M	M	M	M
CO8	S	S	S	M	M	M	M	M	M
CO9	S	S	S	M	M	M	M	M	M
CO10	S	S	S	M	M	M	M	M	M
CO11	S	S	S	M	M	M	M	M	M

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS SECOND – SEMESTER **Elective Paper** COMPUTER APPLICATION IN ECONOMIC ANALYSIS – I	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Introduction to Commuter and Peripherals: Basic Components of Computer CPU Input – device, Keyboard, Mouse and Scanner, Video display, Printer and Plotters.
Module-2 (Lecture-18)	Data Storage and retrieval, Hard Disk, Floppy Disk and CD ROM : Types of Computers and their Applications, Computers Networking and Resources Sharing Hardware, Software and Firmware.
Module-3 (Lecture-18)	Examples and Techniques in Programming Languages Elementary Knowledge Only. Data Processing, Techniques and Algorithms Concepts of Data, Record and File. Types of Data and Data Structure, Data Analysis, File Handling and Operations Like Opening.
Module-4 (Lecture-18)	Appending and Cascading, Closing and Attribute Control; Data Storage and retrieval; Data Operations Algorithms Like Sorting, Merging, Joining and Bifurcation Database and Operation on Database, DBMS and RDBMS.
Module-5 (Lecture-18)	Statistical Processing Techniques and Methods Series; Graphs and Object Time and Frequency Series.

References:

1. Rajasekaran, S. (1986) Numerical Methods in Science and Engineering, A.H.wheeler, Allahabad.
2. Sanders, D.H. (1988); Computers Today, McGraw hill (3rd Edition),New York.
3. Sinha,P.K.(1992):Computers Fundamentals, BPB Publications, New Delhi.
4. Rajaraman, V.(1996) Fundamental of Computers, Prentice Hall of India; New Delhi.
5. Lipschultz, M.M.and S. Lipschults (1982) : Theory and Problems of DataProcessing Schum's Outline Seres, McGraw hill, New York.

M.A. ECONOMICS SECOND – SEMESTER **Elective Paper** COMPUTER APPLICATION IN ECONOMIC ANALYSIS – I		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Introduction to Commuter and Peripherals: Basic Components of Computer CPU	9
1.2	Input – device, Keyboard, Mouse and Scanner, Video display, Printer and Plotters.	9
2.1	Data Storage and retrieval, Hard Disk, Floppy Disk and CD ROM :	9
2.2	Types of Computers and their Applications, Computers Networking and Resources Sharing Hardware, Software and Firmware.	9
3.1	Examples and Techniques in Programming Languages Elementary Knowledge Only.	6
3.2	Data Processing, Techniques and Algorithms Concepts of Data, Record and File.	6
3.3	Types of Data and Data Structure, Data Analysis, File Handling and Operations Like Opening.	6
4.1	Appending and Cascading, Closing and Attribute Control,	6
4.2	Data Storage and retrieval,	6
4.3	Data Operations Algorithms Like Sorting, Merging, Joining and Bifurcation Database and Operation on Database, DBMS and RDBMS.	6
5.1	Statistical Processing Techniques and Methods Series; Graphs and Object Time and Frequency Series.	18

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **THIRD SEMESTER** (ODD SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Thy	P
ECO 301	CCC	International Economics-1	06	04	03	00	03	00
ECO 302	CCC	Contemporary Issues in Indian Economy-1	06	04	03	00	03	00
ECO 303	CCC	Environmental Economics:	06	04	03	00	03	00
ECO S02	OSC	Intellectual Property, Human Rights & Environment: Basics	06	04	03	00	03	00
ECO C01	ECC/CB	Tribal Studies	06	04	03	00	03	00
ECO C02	ECC/CB	Agricultural Economics: Theories						
ECOC03	ECC/CB	Basic Mathematics for Economists						
ECOC04	ECC/CB	Economics of Growth						
ECOC05	ECC/CB	Economics Of Insurance-II						
ECOC06	ECC/CB	Economics of Entrepreneurship Development						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

M.A. ECONOMICS
THIRD - SEMESTER
Paper – I
International Economics - 1

Course Code – ECO 301 **Course Type – CCC**

Course Outcomes:

CO 01 - Students learn about the classical trade models in money terms, classical trade model for multiple goods and multiple countries and understand the role of transportation cost in trade.

CO 02 -Besides theory they also learn about the empirical relevance of Ricardo's model.

CO 03 -Heckscher Ohlin theorem, various alternative trade theories like Human Skills Theory, Product Life Cycle Theory, Imitation Lag Hypothesis, Linder Theory, Make students familiar with the empirical test of Krugman Model, Imperfect Competition Model, Inter and Intra-Industry Trade

CO 04 -students will learn about various instruments of trade policies and about the costs and benefits of imposition of tariff, and about the advantages and disadvantages of free trade.

CO 05 Students will learn about Inrenational business realtionship

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	M	S	M	M	M	L	L	L
CO2	S	M	S	M	M	M	L	L	L
CO3	S	M	S	M	M	M	L	L	L
CO4	S	M	S	M	M	M	L	L	L
CO5	S	M	S	M	M	M	L	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS THIRD – SEMESTER Paper – I International Economics - 1	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Concept of interregional and international trade. International trade as a specific state of inter regional trade. Adams smith`s theory of Absolute Cost Advantage, Ricardian theory of comparative differences in costs, Refinement of comparative cost theory. Opportunity cost theory of Haberler, Hackscher-Ohlin theory of international trade, Factor Price Equalization theorem of international trade, Leontif Paradox.
Module-2 (Lecture-18)	Terms of Trade- concept, Mill and Marshall`s doctrine of terms of trade, Factors determining terms of trade, Causes of deterioration in terms of trade, Terms of trade and less developed countries, International trade as an engine of growth.
Module-3 (Lecture-18)	Gains and losses from international trade ,Measurement of gains from trade, suggestions for improvement in terms of trade of UDC, Tariffs and Quotas- classification of tariffs, Effects of tariffs, optimum tariff, Two gap analysis- View of Prebisch and Singer, Non tariff barriers,
Module-4 (Lecture-18)	Quota – Significance of quota, Types of quota, Objectives and effects of import quotas, Merits and demerits of quota system, Dumping – Meaning and Effects, Anti – Dumping in India.
Module-5 (Lecture-18)	Balance of Payment- Meaning and components of Balance of payments, causes of disequilibrium in B.O.P., Measures to correct adverse B.O.P.; Foreign Exchange Rate-Spot Rate, Forward Exchange Rate, Fixed & Flexible Rates, Purchasing Power Parity theory, Foreign trade multiplier.

References

1. Bhagwati, J.(1981 Ed) International Trade.
2. Dana, M.S.(200-2500-600) International Economics, study guide & work book.
3. अन्तर्राष्ट्रीय व्यापार एवं वित्त–वी.सी. सिन्हा, मयूर पेपर बैक्स, नोयडा
4. अन्तर्राष्ट्रीय अर्थशास़्त्र– अग्रवाल एवं बरला, लक्ष्मीनारायण अग्रवाल, आगरा
5. अन्तर्राष्ट्रीय अर्थशास्त्र–जी.सी.सिंघई
6. International Economics-K.R. Gupta, ATLANTIC Publisheres

7- अन्तर्राष्ट्रीय अर्थशास्त्र–के.सी.राना एव ंके.एन. वर्मा विशाल पब्लिशिंग कं., जालंधर

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M.A. ECONOMICS THIRD – SEMESTER Paper – I International Economics - 1		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Concept of interregional and international trade, International trade as a specific state of inter regional trade.	3
1.2	Adams smith`s theory of Absolute Cost Advantage, Ricardian theory of comparative differences in costs,	3
1.3	Refinement of comparative cost theory, Opportunity cost theory of Haberler.	3
1.4	Hackscher-Ohlin theory of international trade.	3
1.5	Factor Price Equalization theorem of international trade	3
1.6	Leontif Paradox.	3
2.1	Terms of Trade- concept	3
2.2	Mill and Marshall`s doctrine of terms of trade	3
2.3	Factors determining terms of trade.	3
2.4	Causes of deterioration in terms of trade.	3
2.5	Terms of trade and less developed countries	3
2.6	International trade as an engine of growth	3
3.1	Gains and losses from international trade.	3
3.2	Measurement of gains from trade.	3
3.3	Suggestions for improvement in terms of trade of UDC	3
3.4	Tariffs and Quotas- classification of tariffs	3
3.5	Effects of tariffs and optimum tariff.	3
3.6	Two gap analysis- View of Prebisch and Singer and Non tariff barriers.	3
4.1	Quota – Significance of quota.	3
4.2	Types of quota.	3
4.3	Objectives and effects of import quotas.	3
4.4	, Merits and demerits of quota system.	3
4.5	Dumping – Meaning and Effects	3
4.6	Anti – Dumping in India.	3
5.1	Balance of Payment- Meaning and components of Balance of payments.	3
5.2	Ccauses of disequilibrium in B.O.P.	3
5.3	Measures to correct adverse B.O.P.	3
5.4	Foreign Exchange Rate-Spot Rate,	3
5.5	Forward Exchange Rate, Fixed & Flexible Rates.	3
5.6	Purchasing Power Parity theory, Foreign trade multiplier.	3

M.A. ECONOMICS
THIRD - SEMESTER

Paper – II
Contemporary Issues in Indian Economy – 1

Course Code – ECO 302 **Course Type – CCC**

Course Outcomes:

CO 01. Understand the economy and the measurement of various economic variablies.
CO 02. Explain the key concepts of the Indian economy.
CO 03. Understand the Indian Economy better and gain idea to solve the problems faced by the economy.
CO 04. Understand the role of the Indian Economy the global context and how different factors have affected this process.
CO 05. Understand the Economic and Social condition of India.
CO 06. Understand the rural and regional development of India.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	M	S	M	M	M	L	L	L
CO2	S	M	S	M	M	M	L	L	L
CO3	S	M	S	M	M	M	L	L	L
CO4	S	M	S	M	M	M	L	L	L
CO5	S	M	S	M	M	M	L	L	L
CO6	S	M	S	M	M	M	L	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS THIRD – SEMESTER Paper – II Contemporary Issues in Indian Economy – 1	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Economic development – Concept and approaches to economic development and its determinants, Measurement of economic development, Sustainable development, Role of state and market in economic development, Indicators of development-PQLI, HDI, GDI,HPI.
Module-2 (Lecture-18)	Planning in India – Importance and objectives of planning, Planning Strategy, Planning in India – Importance and objectives of planning, Its failure and achievements, Five – year-plan, NITI Aayog NGOs, Panchayati raj, Pressure groups.
Module-3 (Lecture-18)	Resource base infrastructure – Social and economic infrastructure – Education and Health, Environment, Regional imbalance, Issues and policies in financing infrastructure development, Growth of infrastructure in India.
Module-4 (Lecture-18)	Natural resources & Land, Water, Forest and Minerals; Issues in proper utilization, Power sector in India - Coal,
Module-5 (Lecture-18)	Hydro-electric and Atomic Power, Petroleum and Gas. Energy Crisis and Energy policy of central Govt.

REFERENCE –

1. Bawa, R.S. and Raikhy (Ed. 1997) Structural Change in Indian Economy, Guru Nanak Dev University Press, Amritsar.
2. Brahmananda P.R. and V.R. Panchamukhi – (9^{th} ed. 200-2501) Development Experience inIndian Economy, Bookwell, Delhi.
3. भारतीय अर्थव्यवस्था – मिश्रा एवं पुरी, हिमालया पब्लिशिंग हाउस, मुंबई
4. भारतीय अर्थव्यवस्था – रूद्रदत्त एवं सुन्दरम, एस.चांद एंड कंपनी, नई दिल्ली
5. भारतीय अर्थव्यवस्था – मामोरिया एवं जैन, साहित्य भवन पब्लिकेशन आगरा
6. भारतीय अर्थव्यवस्था – सत्यदेव देराश्री नारायण अग्रवाल, हास्पिटल रोड़, आगरा
7. Indian Economy – K.R. Gupta and J.R. Gupta, ATLANTIC Publisher

M.A. ECONOMICS THIRD – SEMESTER Paper – II Contemporary Issues in Indian Economy – 1		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Economic development – Concept and approaches to economic development and its determinants.	4
1.2	Measurement of economic development.	4
1.3	Sustainable development.	2
1.4	Role of state and market in economic development.	4
1.5	Indicators of development-PQLI, HDI, GDI,HPI.	4
2.1	Planning in India – Importance and objectives of planning.	3
2.2	Planning Strategy, Its failure and achievements.	3
2.3	Current five –year-plan.	3
2.4	NGOs	3
2.5	Panchayati raj	3
2.6	Pressure groups.	3
3.1	Resource base infrastructure – Social and economic infrastructure – Education and Health.	6
3.2	Environment, Regional imbalance, Issues and policies in financing infrastructure development	6
3.3	Growth of infrastructure in India.	6
4.1	Natural resources & Land, Water	6
4.2	Forest and Minerals; Issues in proper utilization.	6
4.3	Power sector in India - Coal,	6
5.1	Hydro-electric and Atomic Power.	6
5.2	Petroleum and Gas.	6
5.3	Energy Crisis and Energy policy of central Govt.	6

M.A. ECONOMICS
THIRD - SEMESTER
Paper – III
Environmental Economics

Course Code – ECO 303 **Course Type – CCC**

Course Outcomes:

CO 01. On completion of the course, the student will be able to identify dynamic resource utilisation problems in the context of renewable and non-renewable resources.

CO 02. The course the students will be able to identify the various property rights regime and understand the institutional economic approach to resource management.

CO 03. The students will also about the alternative resource depletion time-path under various market regimes. Besides, the course will enable a student to will be able to understand the risk and uncertainty associated with resource use.

CO 04. The objective of the course is to develop economic perspectives on modern environmental issues and to apply economic theory.

CO 05. After completion of the course, the students will be able to learn that economic objectives are not necessarily in conflict with environmental goals, and that markets mechanisms can be useful to improve environmental quality.

CO 06. At the end of the course, the student will be able to place environmental problems in an economic framework.

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MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	M	M	L	M	M	L	L	L
CO2	M	M	M	L	L	L	L	L	L
CO3	M	M	M	L	L	L	L	L	L
CO4	M	M	M	L	L	L	L	L	L
CO5	M	M	M	L	L	L	L	L	L
CO6	M	S	M	L	L	L			

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS THIRD – SEMESTER **Paper – III Environmental Economics**	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Environmental Economics- Definition, Nature and scope ofenvironmental economics, Relation between Environmental Economics and Economics. Relationship of Environmental Economics with other disciplines.
Module-2 (Lecture-18)	Market Failure – Reasons for market failure, Externalities, Public goodsand common property type nature of environmental resources, Market efficiency and Pareto- optimality.
Module-3 (Lecture-18)	Concept of Environment, Components of Environment, Relationbetween environment and population , population – poverty and environmental damage, Effect of urbanisation on environmental , environmental use and environmental disruption.
Module-4 (Lecture-18)	Environment and Development – Relationship between environment anddevelopment, Sustainable development, Indicators and rules of sustainability, Methods of environmental valuation, environmental accounting,
Module-5 (Lecture-18)	Role of computer in environment protection, Systems analysis and sensitivity analysis, Sustainable development and Indian policy for environmental protection.

References

1. Bromly. D.W.(1995 ed.) Hand book of Environmental Economics, Blackwell, London.
2. Hanley N.J.F. shogern and B.White(1997) Environmental Economics in Theory and Practice, Mc millan
3. Hussen, A.M. (1999) Principles of Environmental Economics Rutledge, London.
4. Madhu Raj- Environmental Economics
5. पर्यावरण शिक्षा–आर.ए. शर्मा–लाल बुक डिपो, मेरठ
6. Environmental Laws- Benimadhab Chatterjee Deep & Deep publications.

M.A. ECONOMICS THIRD – SEMESTER Paper – III Environmental Economics		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Environmental Economics- Definition, Nature and scope ofenvironmental economics.	6
1.2	Relation between Environmental Economics and Economics.	6
1.3	Relationship of Environmental Economics with other disciplines.	6
2.1	Market Failure – Reasons for market failure.	6
2.2	Externalities, Public goodsand common property type nature of environmental resources.	6
2.3	Market efficiency and Pareto- optimality.	6
3.1	Concept of Environment	3
3.2	Components of Environment.	3
3.3	Relationbetween environment and population.	3
3.4	population – poverty and environmental damage.	3
3.5	Effect of urbanisation on environmental.	3
3.6	environmental use and environmental disruption.	3
4.1	Environment and Development – Relationship between environment and development.	5
4.2	Sustainable development, Indicators and rules of sustainability.	5
4.3	Methods of environmental valuation	4
4.4	environmental accounting	4
5.1	Role of computer in environment protection	6
5.2	Systems analysis and sensitivity analysis	6

M.A. ECONOMICS
(THIRD SEMESTER)

COURSE TITLE:INTELLECTUAL PROPERTY RIGHTS

COURSE CODE: ECO S02 **COURSE TYPE : OSC**

Course Outcomes:

CO 01. On completion of the course, the student will be able to identify dynamic resource utilisation problems in the context of renewable and non-renewable resources.

CO 02. The course the students will be able to identify the various property rights regime and understand the institutional economic approach to resource management.

CO 03. The students will also about the alternative resource depletion time-path under various market regimes. Besides, the course will enable a student to will be able to understand the risk and uncertainty associated with resource use.

CO 04. The objective of the course is to develop economic perspectives on modern environmental issues and to apply economic theory.

CO 05. After completion of the course, the students will be able to learn that economic objectives are not necessarily in conflict with environmental goals, and that markets mechanisms can be useful to improve environmental quality.

CO 06. At the end of the course, the student will be able to place environmental problems in an economic framework.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	M	M	L	M	M	M	L	L
CO2	M	M	M	L	M	L	M	L	L
CO3	M	M	M	L	M	L	M	L	L
CO4	M	M	M	L	M	L	M	L	L
CO5	M	M	M	L	M	L	M	L	L
CO6	M	M	M	L	M	L	M		

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE:

- Understands the concept and place of research in concerned subject
- Gets acquainted with various resources for research
- Becomes familiar with various tools of research
- Gets conversant with sampling techniques, methods of research and techniques of analysis of data.

M.A. ECONOMICS (THIRD SEMESTER) COURSE TITLE: INTELLECTUAL PROPERTY RIGHTS	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**Introduction, Nature, Basic Concepts and International Conventions** : Nature and meaning of Intellectual property,Justification for protection of intellectual property right.,Types of intellectual property. Leading international instrument concerning protection of IP: The Berne Convention (1971), Rome convention (1961)Trade Related intellectual property agreement" (TRIPS)
Module-2 (Lecture-18)	**Law of Copyright** Definition, Subject matter of copyright, Ownership of Copyright, Term of Copyright, Rights of Owner, Assignments and Licenses, Infringement of Copyright, Remedies against infringement of copyright
Module-3 (Lecture-18)	**Law of Patents** Meaning , Criteria for obtaining patents, Novelty, Utility, Non-obviousness, Non patentable inventions, Procedure for registration, Term of patent, Rights of patent, Basic concept of compulsory license and government use of patent Infringement of patent, Remedies in case of Infringement
Module-4 (Lecture-18)	**Law of Trademark** Meaning of mark, trademark, Categories of Trademark-Conventional and Non-conventional Marks,Concept of distinctiveness, Absolute and relative grounds for refusal, Doctrine of honest concurrent use, Procedure of registration of trademarks and Term of protection, Assignment and LicensingInfringement and passing off
Module-5 (Lecture-18)	**Design and other forms of Geographical Indication (GI)** 1.Designs, Meaning of Design Protection, Concept of original design, Term of Protection 2..Geographical Indication, Meaning of GI, Difference between GI and Trademark Concept of Authorizeduser

SUGGESTED READINGS

1. G.B.Reddy, *Intellectual Property Rights and Law,* Gogia Law Agency, Hyderabad.
2. S.R.Myneni, *Intellectual Property Law*, Eastern Law House, Calcutta
3. P Narayanan *Intellectual Property Rights and Law (1999),* Eastern Law House, Calcutta, India
4. VikasVashistha, *Law and Practice of Intellectual Property*,(1999) Bharat Law House, New Delhi.
5. Comish W.R *Intellectual Property,3rd ed, (1996),* Sweet and Maxwell
6. P.S. Sangal and Kishor Singh, *Indian Patent System and Paris Convention,*
7. Comish W.R *Intellectual Property, Patents, Copyrights and Allied Rights, (200-2505)*
8. BibeckDebroy, *Intellectual Property Rights, (1998),* Rajiv Gandhi Foundation.

M.A. ECONOMICS (THIRD SEMESTER) COURSE TITLE: INTELLECTUAL PROPERTY RIGHTS		
Module NO.	**Topics**	**No. of Lectures**
Module-1 (Lecture-18)	**Introduction, Nature, Basic Concepts and International Conventions** : Nature and meaning of Intellectual property,Justification for protection of intellectual property right. Types of intellectual property. Leading international instrument concerning protection of IP: The Berne Convention (1971), Rome convention (1961)Trade Related intellectual property agreement" (TRIPS)	**6** **6** **6**
Module-2 (Lecture-18)	**Law of Copyright** Definition, Subject matter of copyright, Ownership of Copyright Term of Copyright, Rights of Owner,Assignments and Licenses, Infringement of Copyright, Remedies against infringement of copyright	6 6 6
Module-3 (Lecture-18)	**Law of Patents** Meaning , Criteria for obtaining patents, Novelty, Utility Non-obviousness, Non patentable inventions, Procedure for registration, Term of patent, Rights of patent, Basic concept of compulsory license and government use of patent, Infringement of patent, Remedies in case of Infringement	4 7 7
Module-4 (Lecture-18)	**Law of Trademark** Meaning of mark, trademark, Categories of Trademark-Conventional and Non-conventional Marks Concept of distinctiveness, Absolute and relative grounds for refusal, Doctrine of honest concurrent use Procedure of registration of trademarks and Term of protection, Assignment and LicensingInfringement and passing off	6 6 6
Module-5 (Lecture-18)	**Design and other forms of Geographical Indication (GI)** 1.Designs, Meaning of Design Protection, Concept of original design, Term of Protection 2..Geographical Indication, Meaning of GI, Difference between GI and Trademark Concept of Authorizeduser	9 9

M. A. ECONOMICS
(THIRD SEMESTER)
ELECTIVE PAPER

COURSE CODE:ECO - C01 **COURSE TYPE : ECC/CB**

COURSE TITLE:TRIBAL STUDIES

Course Outcomes:

CO 01. Understanding the processes of agricultural transformation and rural development.
CO 02. Familiarity with the dynamics of rural and urban labour markets along with the employment situation in urban informal sector.
CO 03. Understanding of the various aspects of development strategies of governments of developing countries involving both the public and private sectors Understanding the basics of infrastructure and economic development.
CO 04. Familiarity with the economic theories and models required for infrastructural planning.
CO 05. Understanding the role of infrastructure in economic development considering one of its most important historical constituents, namely transportation.
CO 06. Ability to understand theoretical and practical issues in infrastructural development and pricing.
CO 07. A critical assessment of the role of private funding in railway infrastructure.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	S	M	L	S	M	M	L	L
CO2	S	S	M	L	S	M	M	L	L
CO3	S	S	M	L	S	M	M	L	L
CO4	S	S	M	L	S	M	M	L	L
CO5	S	S	M	L	S	M	M	L	L
CO6	S	S	M	L	S	M	M	L	L
CO7	S	S	M	L	S	M	M	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE:

- Understands the concept and place of research in concerned subject
- Gets acquainted with various resources for research
- Becomes familiar with various tools of research
- Gets conversant with sampling techniques, methods of research and techniques of analysis of data.

M. A. ECONOMICS(THIRD SEMESTER) ELECTIVE PAPER:TRIBAL STUDIES	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**Tribal Studies:**Meaning, Nature, Scope, Need & importance of tribal studies. Meaning,Definition & characteristics of Tribe, Caste & Race. **Scheduled Tribe in India:**Population Composition of tribal, classification of Indian Tribe –Racial, Lingual, Geographical, Cultural.
Module-2 (Lecture-18)	**Some Major Tribes in India :** Santhal, Khasi, Munda, Bhils. **Some Major Tribes in Central India :** Gond, Baiga, Bharia, Korkus. **Illiteracy :**Poverty,Indebness, Unemployment, migration & Exploitation Environmental & Degradation
Module-3 (Lecture-18)	**Problem of Health and sanitation :** Prostitution, Culture Decay due to assimilation. Replacement & Rehabilitation of Tribalpopulation. **Welfare-Concept, Characteristics:** Tribal Welfare in post independence period. Constitutionalprovision & safe guard after independence, Legislation & Reservation Policy.
Module-4 (Lecture-18)	**Tribal Development Programs for Scheduled Tribes :**Medical,Education, Economy,Employment & Agriculture Evaluation of Programs.
Module-5 (Lecture-18)	**Tribal Welfare & Advisory Agencies in India :** Role of NGO‟s in tribal development, Role of Christian missionaries in tribal welfare & development. Tribal Welfare Administration.

SUGGESTEDREADINGS

1. *Tribal Development In India (Orissa)* by Dr. Taradutt
2. *Books on Tribal studies* by PK Bhowmik
3. *Books on 'Tribal Studies'* by W.G. Archer.

M. A. ECONOMICS(THIRD SEMESTER) ELECTIVE PAPER TRIBAL STUDIES		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	**Tribal Studies:**Meaning, Nature, Scope, Need & importance of tribal studies.	4
1.2	Meaning,Definition & characteristics of Tribe, Caste & Race.	4
1.3	**Scheduled Tribe in India:**Population Composition of tribal.	5
1.4	classification of Indian Tribe –Racial, Lingual, Geographical, Cultural	5
2.1	**Some Major Tribes in India :** Santhal, Khasi, Munda, Bhils.	6
2.2	**Some Major Tribes in Central India :** Gond, Baiga, Bharia, Korkus.	6
2.3	**Illiteracy :**Poverty, Indebness, Unemployment, migration & Exploitation Environmental & Degradation.	6
3.1	Problem of Health and sanitation :Prostitution,Culture Decaydue to assimilation.Replacement & Rehabilitation of Tribal population.	9
3.2	**Welfare-Concept, Characteristics:** Tribal Welfare in post independence period. Constitutionalprovision & safe guard after independence, Legislation & Reservation Policy.	9
4.1	**Tribal Development Programs for Scheduled Tribes :** Medical, Education, Economy, Employment & Agriculture Evaluation of Programs.	18
5.1	**Tribal Welfare & Advisory Agencies in India :** Role of NGO‟s in tribal development, Role ofChristian missionaries in tribal welfare & development. Tribal Welfare Administration.	18

M. A. ECONOMICS
(THIRD SEMESTER)
ELECTIVE PAPER

COURSE CODE: ECO C02 **COURSE TYPE : ECC/CB**

COURSE TITLE: Agricultural Economics: Theories

Course Outcomes:

CO 01 Understanding of the international trade in agricultural commodities and its implications for less developed countries
CO 02 Awareness of the debates on farm size and productivity Gathering knowledge about state interventions and planning for agricultural development
CO 03 An useful acquaintance with various aspects of agricultural marketing with special reference to developing countries
CO 04. To understand the importance of planning undertaken by the government of India.
CO 05. To provide a detailed treatment of issues in agricultural economics.
CO 06. To familiarize students with policy issues those are relevant to Indian Agricultural Economics.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	M	M	M	M	M	M	L	L
CO2	M	M	M	M	M	M	M	L	L
CO3	M	M	M	M	M	M	M	L	L
CO4	M	M	M	M	M	M	M	L	L
CO5	M	M	M	M	M	M	M	L	L
CO6	M	M	M	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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

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M. A. ECONOMICS (THIRD SEMESTER) Agricultural Economics: Theories	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**Agricultural and Economics Development :** Nature and scope of agricultural and rural economics - Traditional agriculture and its modernization - Role of agriculture in economic development - Interdependence between agricultural and Industry - Role of agricultural inEconomic development.
Module-2 (Lecture-18)	**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.
Module-3 (Lecture-18)	**Agricultural Production and Productivity:** Concept of Production function - Law diminishing return and its importance in decision making - cobwen theorem - Prices and output relationship - Long term trends in production and productivity - Causes of low productivity.
Module-4 (Lecture-18)	**Agricultural Growth in India:** Agricultural policy in India - New strategy of Agricultural Development - Green revolution
Module-5 (Lecture-18)	Application of new technologies - Hyv Chemical fertilizes, irritation PPM and far mechanization - Labour absorption - Sustainable agriculture and futurechallenges.

SUGGESTED READINGS

1. Dantwala M.L. et al. (1991) Indian Agricultural Development since independence, Oxford & IBM, New Delhi.
2. Gulati A. & T. Kelly (1999) Trade liberalization and Indian Agriculture, Oxford, UniversityPress New Delhi.
3. Joshi P.C. (1975) Land Reforms in India, Treads & Prospects, Allied Publishers, NewDelhi.
4. Kahlo A.S. and Tyagi D.S. (1983), Agriculture Price Policy in India, Allied publishers, NewDelhi.
5. Rao C.H. Hanymantha (1975), Agricultural growth, Rural Poverty and EnvironmentDegradation in India, Oxford University Press, New Delhi.
6. Reserve Bank of India, Report on Currency and Finance (Annual), Mumbai.
7. Rudra A. (1982), Indian agricultural economics, Mythas and Reality, Allied PublishersNewDelhi.
8. Saini, G.R. (1979), Farm, Size, Resource Use Efficiency and Income distribution, AlliedPublishers, New Delhi.

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M. A. ECONOMICS (THIRD SEMESTER) Agricultural Economics: Theories		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	**Agricultural and Economics Development :** Nature and scope of agricultural and rural economics	5
1.2	Traditional agriculture and its modernization	4
1.3	Role of agriculture in economic development	3
1.4	Interdependence between agricultural and Industry .	3
1.5	Role of agricultural inEconomic development.	3
2.1	**Land Use policy and Social Infrastructure: :** Land Use Policy -	5
2.2	Land distribution	4
2.3	Problems of small and marginal farmers	5
2.4	Rural Social infrastructure - Land, water, energy,education and health.	4
3.1	**Agricultural Production and Productivity:** Concept of Production	3
3.2	Law diminishing return and its importance in decision making	3
3.3	cobwen theorem	2
3.4	- Prices andoutput relationship	2
3.5	Long term trends in production and productivity	4
3.6	Causes of low productivity.	4
4.1	Agricultural policy in India	12
4.2	New strategy of Agricultural Development	12
4.3	Green revolution	12
5.1	Application of new technologies	3
5.2	Hyv Chemical fertilizes	4
5.3	irritation PPM and far mechanization	4
5.4	Labour absorption	3
5.5	Sustainable agriculture and futurechallenges.	4

M. A. ECONOMICS

(THIRD SEMESTER)

ELECTIVE PAPER

COURSE CODE: ECO C03 **COURSE TYPE : ECC/CB**

COURSE TITLE: Basic Mathematics for Economists

Cours outcome

CO 01. Concepts of data (cross section, time series, pooled panel data)
CO 02. Classification of data from measurement perspective(ratio scale, ordinal, interval, nominal)
CO 03. Concept of population, sample
CO 04. Sampling procedures
CO 05. Concept of distribution (t, chi square, F, etc.)
CO 06. Concept of error term
CO 07. Concept about correlation and regression
CO 08. Basic assumptions behind the application of OLS technique for estimation
CO 09. Generalizing simple to multiple regression model
CO 10. Testing multiple hypothesis
CO 11. Concept of goodness of fit
CO 12. Concept of serial correlation
CO 13. Possible reasons and impacts of such serial correlation
CO 14. Basic idea about data collection through primary survey
CO 15. How to apply Ordinary least square technique for estimation of regression coefficients
CO 16. How to judge the statistical significance of an estimated coefficient
CO 17. How confidence interval can be generated
CO 18. How a hypothesis can be generated
CO 19. Formulation and estimation of a multiple regression model
CO 20. Decision about the statistical significance of individual explanatory variable and also over all model
CO 21. Impacts for the violation of one of the important assumptions for application of OLS regression
CO 22. How to present the economic phenomena from ground level reality
CO 23. How a regression equation can run theoretically as well as through spread sheet
CO 24. How decision about the statistical significance can be taken just by introspection of probability value
CO 25. How a hypothesis can be tested
CO 26. Competency from the theoretical perspective of economic relationship to empirical verification
CO 27. To diagnose the reliability of estimation
CO 28. To apply the remedial measures to overcome the problem of auto correlation

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	S	S	M	M	L	L	L	L
CO2	S	S	S	M	M	L	L	L	L
CO3	S	S	S	M	M	L	L	L	L
CO4	S	S	S	M	M	L	L	L	L
CO5	S	S	S	M	M	L	L	L	L
CO6	S	S	S	M	M	L	L	L	L
CO7	S	S	S	M	M	L	L	L	L
CO8	S	S	S	M	M	L	L	L	L
CO9	S	S	S	M	M	L	L	L	L
CO10	S	S	S	M	M	L	L	L	L
CO11	S	S	S	M	M	L	L	L	L
CO12	S	S	S	M	M	L	L	L	L
CO13	S	S	S	M	M	L	L	L	L
CO14	S	S	S	M	M	L	L	L	L
CO15	S	S	S	M	M	L	L	L	L
CO16	S	S	S	M	M	L	L	L	L
CO17	S	S	S	M	M	L	L	L	L
CO18	S	S	S	M	M	L	L	L	L
CO19	S	S	S	M	M	L	L	L	L
CO20	S	S	S	M	M	L	L	L	L
CO21	S	S	S	M	M	L	L	L	L
CO22	S	S	S	M	M	L	L	L	L
CO23	S	S	S	M	M	L	L	L	L
CO24	S	S	S	M	M	L	L	L	L
CO25	S	S	S	M	M	L	L	L	L
CO26	S	S	S	M	M	L	L	L	L
CO27	S	S	S	M	M	L	L	L	L
CO28	S	S	S	M	M	L	L	L	L

S- Strong, M- Medium, L-Low

M. A. ECONOMICS(THIRD SEMESTER)

Basic Mathematics for Economists

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: Mathematics has found its applications in economics in the form of model building for planning and development. Mathematical transformation of the economic theory provides precision to the logic and understanding of economics. This paper intends to train and equip student with the basic understanding of Mathematics, which they may use in advance courses of this subject

SYLLABUS

Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**Basics of Mathematics-I:** Variables, Types of variables, Relations, Cartesian Product, Function, Inverse Function, power function, exponential function, logarithm function, linearfunction; Number system, Theory of set.
Module-2 (Lecture-18)	**Basics of Mathematics-II:** Concepts of Limit, Continuity and differentiation of a function; Rules of differentiation of function;
Module-3 (Lecture-18)	**Basics of Mathematics-III**Concept of Integration, Economic application ofDifferential and Integral calculus-Consumer's Surplus, Elasticity of Demand and Marginal Revenue.
Module-4 (Lecture-18)	**Determinants and Matrix Algebra:** Various properties of determinants, Cramer's Rule; Types of matrices and their properties, Addition, Subtraction, Multiplication and Inversion of Matrices, Applications of Matrix Inversion in Economics-Leontief Input Output Model
Module-5 (Lecture-18)	**Economic Models:** Construction of a Mathematical Model for Economic Applications, Endogenous and Exogenous Variables, Parameters, Constants; Structural and Reduced forms ofEquations; Single Market Model, Multiple Market model, National income model.

SUGGESTEDREADINGS

1. Blitzer Charles R, 1975, Economy-Wide models, Oxford Uni. Press, NY
2. Chiang A. C. 1990, Fundamental Methods of Mathematical Economics, McGraw Hill, Delhi.
3. Deshpande V D , A R Chanderkar and M. L. Vaidya, A New Course in College Algebra,S.Chand and Co. Delhi
4. Kulkarni T G and M K Kelkar,1975, College Algebra, S Chand and Co, Delhi
5. Madnani G M K. 200-2503, Mathematical Economics, oxford and IBH, Delhi.

M. A. ECONOMICS(THIRD SEMESTER) Basic Mathematics for Economists		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Variables, Types of variables, Relations	3
1.2	Cartesian,Product,Function, Inverse Function	**4**
1.3	power function, exponential	**3**
1.4	function, logarithm function, linearfunction	**4**
1.5	Number system, Theory of set.	**4**
2.1	**Basics of Mathematics-II:** Concepts of Limit, Continuity and differentiation of a function	**9**
2.2	Rules of differentiation of function	**9**
3.1	**Basics of Mathematics-III**Concept of Integration	**4**
3.2	Economic application ofDifferential and Integral calculus	**5**
3.3	Consumer's Surplus	**4**
3.4	Elasticity of Demand and Marginal Revenue.	**5**
4.1	**Determinants and Matrix Algebra:** Various properties of determinants	**3**
4.2	Cramer's Rule	**3**
4.3	Types of matrices and their properties	**3**
4.4	Addition, Subtraction	**3**
4.5	Multiplication and Inversion ofMatrices	**3**
4.6	Applications of Matrix Inversion in Economics-Leontief Input Output Model.	**3**
5.1	**Economic Models:** Construction of a Mathematical Model for Economic Applications	**4**
5.2	Endogenous and Exogenous Variables	**4**
5.3	Parameters, Constants	**2**
5.4	Structural and Reduced forms ofEquations	**2**
5.5	Single Market Model	**2**
5.6	Multiple Market model	**2**
5.7	National income model.	**2**

M.A. ECONOMICS
THIRD - SEMESTER
Elective Paper
ECONOMICS OF GROWTH

Course Code – ECO C04 **Course Type – ECC/CB**

Course Outcomes;

CO 01 -Understanding the basic facts of economic growth. Comprehension of relationship between growth and development.
CO 02 -Familiarity with the wide-ranging policy issues and theories in growth economics.
CO 03 -Understanding the Keynesian Analysis of economic growth with a comparison tosome other growth models.
CO 04 -A thorough understanding of literature on neoclassical growth models and empirics.
CO 05 -A critical account of the extension of the neoclassical growth model and applications.
CO 06 -Understanding the interactions of the basic tenets of growth theories and those of debt with the drivers of lobalisation.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	M	M	M	M	M	M	L	L
CO2	S	M	M	M	M	M	M	L	L
CO3	S	M	M	M	M	M	M	L	L
CO4	S	M	M	M	M	M	M	L	L
CO5	S	M	M	M	M	M	M	L	L
CO6	S	M	M	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

5 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
6 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
7 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
8 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS THIRD - SEMESTER Elective Paper - ECONOMICS OF GROWTH	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Economic Growth and Eco Development- Definitions, Factors of economic growth, Stages of economic growth, Investment criteria in economic development, Choice of technique**,** Capital-output ratio
Module-2 (Lecture-18)	Theories of Development- Indian Theory of Aacharya Kautilya (Chankya) , Dr. J.K. Mehta, Mahatma Gandhi, Spiritual Socialism. Classical Theory of Adam Smith and Ricardo, Marxian theory
Module-3 (Lecture-18)	Schumpeterian theory, Keynesian theory, Vicious circle of poverty, Myrdal‟s theory of circular causation, Ranis & Fei Model.
Module-4 (Lecture-18)	Approaches to Development –, Lewis‟ Unlimited supply of labour theory, Rodan‟s Big Push theory, Leibenstein‟s Critical Minimum Effort theory, Balanced and Unbalanced growth theory, Low Level Equilibrium Trap theoryof Nelson.
Module-5 (Lecture-18)	Mahalnobis Four sector model, Growth Models of Harrod and Domar, Kaldor`s model of Distribution, Mrs. Robinson‟s Capital Accumulation model, Dualistic theories of growth- Social dualism (Boeke) technological dualism (Higgins).

References :-

1. Sen, A.K.(1990) Growth Economics, Penguin Harmonds worth.
2. Mehrotra s. and J. Ruchard (1998) Development with a Human Face Oxford university Press, N. Delhi.
3. B.N. Ghosh- Developmental Economics
4. आर्थिक संवृद्धि और विकास–वी.सी. सिन्हा, मयूर पेपर वैक्स नोयडा
5. विकास का अर्थशास्त्र एवं नियोजन–आर.एल. गोयल मीनाक्षी प्रकाशन, नई दिल्ली
6. विकास का अर्थशास्त्र एवं नियोजल–एस.पी. सिंह
7. आर्थिक विकास के सिंद्धान्त एवं भारत में आर्थिक नियोजन–डॉ.ओमप्रकाश
8. विकास एवं नियोजन का अर्थशास्त्र–एम.एल. तनेजा एवं आर.एम. नायर विशाल पब्लिशिंग कं.जालंधर
9. विकास का अर्थशास्त्र–एम.एल. **झिंगन**
10. Kautilya Arthashastra - Aacharya Koutilya(Chankya) Publisher - Penguin BooksIndia,11Community Centre New Delhi-110017
11. जय नारायण पाण्डेय आध्यात्मिक समाजवाद 2021 एकैडमिक पब्लिकेशन दिल्ली
12. जय नारायण पाण्डेय आध्यात्मिक समाजवाद व विश्व सरकार 2022 एकैडमिक पब्लिकेशन दिल्ली
13. जय नारायण पाण्डेय आध्यात्मिक समाजवाद व सतयुग की वापसी 2023 एकैडमिक पब्लिकेशन दिल्ली
14. Dr. Jai Narain Pandey Economic Development & Crisis Academic Publication Delhi

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M.A. ECONOMICS THIRD - SEMESTER Elective Paper - ECONOMICS OF GROWTH		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Economic Growth and Eco Development- Definitions	3
1.2	Stages of economic growth	3
1.3	Factors ofeconomic growth	3
1.4	Investment criteria in economic development	3
1.5	Choice of technique	3
1.6	Capital-output ratio	3
2.1	Theories of Development- Indian Theory of Aacharya Kautilya (Chankya), Dr. J.K. Mehta, Mahatma Gandhi	8
2.2	Classical Theory of Adam Smith and Ricardo	5
2.3	Marxian theory	5
3.1	Schumpeterian theory	3
3.2	Keynesian theory	3
3.3	Vicious circle of poverty	4
3.4	Myrdal‟s theory of circular causation	4
3.5	Ranis & Fei Model.	4
4.1	Approaches to Development	3
4.2	Lewis‟ Unlimited supply of labourtheory	3
4.3	Rodan‟s Big Push theory	3
4.4.	Leibenstein‟s Critical Minimum Effort theory	3
4.5	Balanced and Unbalanced growth theory	3
4.6	Low Level Equilibrium Trap theoryof Nelson.	3
5.1	Mahalnobis Four sector model, ,, ,	3
5.2	Growth Models of Harrod and Domar	4
5.3	Kaldor`s model of Distribution	4
5.4	Mrs. Robinson‟s Capital Accumulation model	3
5.5	Dualistic theories of growth- Social dualism (Boeke) technological dualism (Higgins).	4

M.A. ECONOMICS
THIRD - SEMESTER
Elective Paper
ECONOMICS OF INSURANCE - II

Course Code – ECO C05 **Course Type – ECC/CB**

Course Outcomes:

CO 01. Understanding the processes of agricultural transformation and rural development.
CO 02. Familiarity with the dynamics of rural and urban labour markets along with the employment situation in urban informal sector.
CO 03. Understanding of the various aspects of development strategies of governments of developing countries involving both the public and private sectors Understanding the basics of infrastructure and economic development.
CO 04. Familiarity with the economic theories and models required for infrastructural planning.
CO 05. Understanding the role of infrastructure in economic development considering one of its most important historical constituents, namely transportation.
CO 06 Ability to understand theoretical and practical issues in infrastructural development and pricing.
CO 07 A critical assessment of the role of private funding in railway infrastructure.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	M	S	M	M	M	M	L	L
CO2	M	M	S	M	M	M	M	L	L
CO3	M	M	M	M	M	M	M	L	L
CO4	M	M	M	M	M	M	M	L	L
CO5	M	M	M	M	M	M	M	L	L
CO6	M	M	M	M	M	M	M	L	L
CO7	L	M	L	L	L	L	L	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS THIRD - SEMESTER Elective Paper - ECONOMICS OF INSURANCE - II	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Definition of General Insurance; Types of General Insurance; Importance of General Insurance; Importance of General Insurance in a Country"s Economic Development; Concept of Short-Term Risk.
Module-2 (Lecture-18)	Fundamentals of the Following Concepts – Common Law, Equity, Proposal/Accidence, Indemnity, Insurable interest, Contribution Subrogation, Representation; Utmost Good Faith, Material Fact, Physical Hazard, Moral Hazard; Policy Endorsements Conditions/Warranties; Selection of Risks; Inspection of Risks; Rating and Calculation of Premiums; Tariffs and Non – tariffs; Marketing of General Insurance; Technology Development and General Insurance.
Module-3 (Lecture-18)	Regulation of Insurance; Purpose of Government Intervention in Markets; Theories of Regulation; Insurance Regulation in India; Insurance Regulation and Development Authority (IRDA).
Module-4 (Lecture-18)	Wealth Accumulation Planning; Life Cycle Planning; Planning for Accumulation, Objectives; Purchase of Insurance and Accumulation Planning; Investment – Tax-Advantaged and Tax Non – Advantaged.
Module-5 (Lecture-18)	Essentials of Individual Retirement Planning; Analysis of Retirement; Income Needs; Retirement Planning Strategies; Investing for Retirement, Pension Plans; Basic Principles of Pension Plans; Pension Plans in India; Estate Planning; Process of Estate Planning; Estate Planning Tools; Life Insurance for estate Liquidity.

M.A. ECONOMICS THIRD - SEMESTER

Elective Paper - ECONOMICS OF INSURANCE - II

References:

1. Bailey, R.(Ed.): Underwriting in Life and Insurance.
2. Benjamin, B.: General Insurance.
3. Bhole, L.M.: The Indian Financial System.
4. Bickelhaupt, D. L.: General Insurance.
5. Black, K. Jr. and H.D. Skipper Jr.: Life and Health Insurance.
6. Dionne, G. and S.E. Harrington (Eds.): Foundations of Insurance Economics.
7. Elliot, M.W., Webb, B. J., Anderson, H.N. and Kensicki, P.R.: Principles ofreinsurance.
8. Finsinger, J. M.V. Pauly (Eds.): The Economics of Insurance Regulation:A Cross National Study.
9. Graves, E.E. and L. Hayes (Eds.): McGill's Life Insurance.
10. Head, G.L. and S. Horn II: Essentials of Risk Management.
11. Insurance Regulation and Development Authority: IRDA Regulations.
12. Peltzman, S.: Towards a More General Theory of Regulation.
13. Skipper, Jr.,H.D. (Ed.): International Risk and Insurance: An EnvironmentalManagerial Approach.
14. Tacchino, K.B. and D.A. Little: Planning for Retirement Needs.

M.A. ECONOMICS THIRD - SEMESTER Elective Paper - ECONOMICS OF INSURANCE - II		
Course Contents and Lecture Schedule		
Module NO.	Topics	No. of Lectures
1.1	Economic Growth and Eco Development	3
1.2	Definitions, Factors ofeconomic growth	3
1.3	Stages of economic growth	3
1.4	Investment criteria in economic development	3
1.5	Choice of technique	3
1.6	Capital-output ratio.	3
2.1	Fundamentals of the Following Concepts – Common Law, Equity, Proposal/Accidence, Indemnity, Insurable interest	4
2.2	Contribution Subrogation, Representation	2
2.3	Utmost Good Faith, Material Fact, Physical Hazard, Moral Hazard.	4
2.4	Policy Endorsements Conditions/Warranties	2
2.5	Selection of Risks; Inspection of Risks	2
2.6	Rating and Calculation of Premiums	1
2.7	Tariffs and Non – tariffs; Marketing of General Insurance	2
2.8	Technology Development and General Insurance.	1
3.1	Regulation of Insurance	3
3.2	Purpose of Government Intervention in Markets	4
3.3	Theories of Regulation	3
3.4	Insurance Regulation in India	3
3.5	Insurance Regulation and Development Authority (IRDA)	5
4.1	Wealth Accumulation Planning	3
4.2	Life Cycle Planning	3
4.3	Planning for Accumulation, Objectives	5
4.4	Purchase of Insurance and Accumulation Planning	3
4.5	Investment – Tax-Advantaged and Tax Non – Advantaged	4
5.01	Essentials of Individual Retirement Planning	2
5.02	Analysis of Retirement	1
5.03	Income Needs; Retirement Planning Strategies	2
5.04	Investing for Retirement	1
5.05	Pension Plans	1
5.06	Basic Principles of Pension Plans	2
5.07	Pension Plans in India	2
5.08	Estate Planning	1
5.09	Process of Estate Planning	2
5.10	Estate Planning Tools	1
5.11	Life Insurance for estate Liquidity.	3

M.A. ECONOMICS
THIRD - SEMESTER
Elective Paper
ECONOMICS OF ENTERPRENEURSHIP DEVELOPMENT

Course Code – ECO C06 **Course Type – ECC/CB**

Course Outcomes:

CO 01. To introduce to the alternative policy approach to address global and local environmental problems and to apply market and non-market method for resolving environmental problems.

CO 02. On completion of the course, the student will be able to identify the various policy alternatives that can be applied to address an environmental problem.

CO 03. The student will also be able to use market and non-market methods and apply them to estimate the extent of welfare gain or loss associated with any development and conservation programmes.

CO 04. They will also be able to identify factors that determine international cooperation to mitigate global environmental problems

CO 05. To convert the Jobseekers into Job providers and transform them as active contributors to national economy.

CO 06. To create entrepreneurship culture.

CO 07. To create self-employment

CO 08. To create cooperative culture in sociery

Aim -

01. To convert the Jobseekers into Job providers and transform them as active contributors to national economy.
02. To highlight leadership qualities,
03. To create entrepreneurship culture.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	M	S	M	M	M	M	L	L
CO2	S	M	S	M	M	M	M	L	L
CO3	S	M	M	M	M	M	M	L	L
CO4	S	M	M	M	M	M	M	L	L
CO5	S	M	M	M	M	M	M	L	L
CO6	S	M	M	M	M	M	M	L	L
CO7	S	M	L	M	M	M	M	L	L
CO8	S	M	M	M	M	M	M	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted

2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)

3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)

4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS THIRD - SEMESTER Elective Paper ECONOMICS OF ENTERPRENEURSHIP DEVELOPMENT	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**Entrepreneurship Concept And Significance** Entrepreneurship: Definition, Concepts of entrepreneurship development, self Employment, entrepreneurial culture, values, attitude and motivation, Characteristics of successful entrepreneur. Overview of entrepreneur opportunities in contemporary business environment.
Module-2 (Lecture-18)	**Entrepreneurship Support Institutions And Environment** Institution and schemes of Government of India, Financing- Long, medium and short Term loan, Financial Institutions-NABARD, SIDBI, Nationalised banks etc., DIC- Role Schemes and programmes, documentation of loan application, sanction, acceptance, Release of loan.
Module-3 (Lecture-18)	**Business Opportunities and Business Planning** Market survey and assessment-Demand, Supply and Nature of competition, cost and price of products, selection of enterprise, Identify problem and opportunities, The Project Report.
Module-4 (Lecture-18)	**General Management and Finance** The fourth stage growth model-Planning, Organizing, executing, controlling resources Both human and material, asset management, business communication, Advertisement, public relation, Finance-Meaning, need of financial management, Type of business finance and management, Financial Planning, importance of budgets.
Module-5 (Lecture-18)	**Management** - Meaning and Concept of marketing, objectives of marketing management, Marketing Plan- Four Ps-Product, Pricing, Promotion and Place (Distribution) elements, Marketing for Total Gain(MTG)- Cs-cooperation, competency, capacity, To-Talent, Timing and Teamwork, Market Research-importance, process, primary and secondary data - assessment. Product Planning and development, advertising, Sales and distribution management

Practicafl 30 Marks

01.Project Report-20 Marks

Preparation of a Project Report for an enterprise involving products/services.

02.Viva-Voce-10 Marks

The students could also be required to appear for a viva-voce on the basis of their projects.

Suggested References

01. Entrepreneur Development, SS Khanna, S Chand & Company Ltd, Ram Nagar New Delhi

02. Entrepreneur and Entrepreneurship Development and Planning in India, D. N. Mishra,Chugh Publication, Allahabad.

03. Science Tec. Entrepreneur (A BI Monthly Publication) Centre for Entrepreneurship Development M. P. (CEDMAP), 60 Jall road Jhangerbad, Bhopal-46200-2508

04. Bullding A Chain of Customers, Richard J Schonberger, The Free Press, New York

05. Entrepreneurship, Holt, Prentice Hall, New Delhi

06. Management of Small Scale Industry, Vasant Desal, Himalayan Publishing House, Bombay

M.A. ECONOMICS THIRD - SEMESTER Elective Paper ECONOMICS OF ENTERPRENEURSHIP DEVELOPMENT		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Entrepreneurship: Definition	3
1.2	Concepts of entrepreneurship development	3
1.3	self Employment	3
1.4	entrepreneurial culture, values, attitude and motivation	3
1.5	Characteristics of successful entrepreneur	3
1.6	Overview of entrepreneur opportunities in contemporary business environment	3
2.1	Institution and schemes of Government of India	4
2.2	Financing- Long, medium and short Term loan	4
2.3	Financial Institutions-NABARD, SIDBI, Nationalised banks etc	3
2.4	DIC- Role Schemes and programmes	2
2.5	documentation of loan application	2
2.6	Sanction	1
2.7	Acceptance	1
2.8	Release of loan	1
3.1	Market survey and assessment-Demand, Supply and Nature of competition	4
3.2	Cost and price of products	4
3.3	selection of enterprise	4
3.4	Identify problem and opportunities	4
3.5	The Project Report	2
4.1	**General Management and Finance** The fourth stage growth model-Planning, Organizing, executing, controlling resources Both human and material	4
4.2	asset management	1
4.3	business communication, Advertisement,	3
4.4	public relation	2
4.5	Finance- Meaning, need of financial management	3
4.6	Type of business finance and management	2
4.7	Financial Planning, importance of budgets.	3
5.1	**Management** - Meaning and Concept of marketing, objectives of marketing management	3
5.2	Marketing Plan- Four Ps-Product, Pricing,	3
5.3	Promotion and Place (Distribution) elements	4
5.4	Marketing for Total Gain(MTG)- Cs- cooperation, competency, capacity, To-Talent, Timing and Teamwork	4
5.5	Market Research-importance, process, primary and secondary data - assessment. Product Planning and development, advertising, Sales and distribution management	4

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- **M. A. in ECONOMICS** **FACULTY OF ARTS**
- **FOURTH SEMESTER** (EVEN SEMESTER)

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours Per Week	EOSE Duration (Hrs.)			
				L	T	P	Th Y	P
ECO 401	CCC	International Economics-2	06	04	03	00	03	00
ECO 402	CCC	Contemporary Issues in Indian Economy-2	06	04	03	00	03	00
ECO 403	CCC	Environmental Economics: Issues and Policies	06	04	03	00	03	00
ECO 421	SSC/PRJ	DISSERTATION	06	00	00	09	00	04
ECO D01	ECC/CB	Agricultural Economics: Issues and Policies	06	04	03	00	03	00
ECO D02	ECC/CB	Economics of Regionalism						
ECO D03	ECC/CB	Economics of Transportation						
ECO D04	ECC/CB	Demography						
ECO D05	ECC/CB	Computer Application in Economic Analysis-II						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TOTAL= 30					

M.A. ECONOMICS
FOURTH - SEMESTER
Paper – I
International Economics -2

Course Code – ECO 401 **Course Type – CCC**

Course Outcomes:

CO 01 - students will understand the concept of economic integration especially the concept of Customs union, trade creating and trade diverting customs union, and about the history of formation of customs union in different parts of the world

CO 02 -students will learn about various instruments of trade policies in developing countries, about the idea of dual economy and its problems, and about the advantages and disadvantages of import substitutions and export promotions

CO 03 -students will acquire knowledge on the importance of trade in economic growth and development,

CO 04 -students will be acquainted with emerging issued related to trade and environment

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	M	M	s	L	S	M	M	L	L
CO2	M	M	s	L	M	S	M	L	L
CO3	M	M	S	L	M	M	S	L	L
CO4	M	M	S	L	M	M	M	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS FOURTH – SEMESTER **Paper – I International Economics -2**	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Past and present trade policy and reforms in India‟s trade policy, Problems relating foreign trade in India, International capital flows in India- FDI,FII etc. , Direction and composition of India‟s foreign trade, Export promotion, Free trade vs protection and their advantages and disadvantages.
Module-2 (Lecture-18)	Theories of regionalism at global level- Regional blocks customs union, SAARC, SAPTA, ASEAN; ASEAN and India , Multiliteralism and world trading system, G-20 and India
Module-3 (Lecture-18)	GATT- Function of GATT and WTO, IMF-objectives and Functions, Resources of IMF, IMF and India. World Bank(IBRD)- Objectives Functions, its contribution towards India,
Module-4 (Lecture-18)	World Bank activities, Asian Development Bank – Achievements and failures, UNCTAD- critical analysis of UNCTAD activities, - objectives, Functions success and failures of UNCTAD, Suggestions for future success of UNCTAD.
Module-5 (Lecture-18)	The rise and fall of Bretton – Wood, emerging international monetary system, International monetary transfer, International debt crisis, problems of India‟s international debt, Recent import export policies of India.

References

1. Bhagwati, J.(1981 Ed) International Trade.
2. Dana, M.S.(200-2500-600) International Economics, study guide & work book.
3. अन्तर्राष्ट्रीय व्यापार एवं वित्त–वी.सी. सिन्हा, मयूर पेपर बैक्स, नोयडा
4. अन्तर्राष्ट्रीय अर्थशास़्त्र– अग्रवाल एवं बरला, लक्ष्मीनारायण अग्रवाल, आगरा
5. अन्तर्राष्ट्रीय अर्थशास्त्र–जी.सी.सिंघई
6. International Economics-K.R. Gupta, ATLANTIC Publisheres
7. अन्तर्राष्ट्रीय अर्थशास्त्र–के.सी.राना एव ंके.एन. वर्मा विशाल पब्लिशिंग कं., जालंधर

M.A. ECONOMICS FOURTH – SEMESTER Paper – I International Economics -2		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Past and present trade policy and reforms in India‟s trade policy	3
1.2	Problems relating foreign trade in India	3
1.3	International capital flows in India- FDI,FII etc.	3
1.4	Direction and composition of India‟s foreign trade	3
1.5	Export promotion	3
1.6	Free trade vs protection and their advantages and disadvantages.	3
2.1	Theories of regionalism at global level- Regional blocks customs union	4
2.2	SAARC	3
2.3	SAPTA	3
2.4	ASEAN	3
2.5	ASEAN and India	3
2.6	Multiliteralism and world trading system	3
2.7	G-20 and India	3
3.1	GATT- Function of GATT and WTO	4
3.2	IMF-objectives and Functions	3
3.3	Resources of IMF	3
3.4	IMF and India	3
3.5	World Bank(IBRD)- Objectives Functions, its contribution towards India	5
4.1	World Bank activities	2
4.2	Asian Development Bank – Achievements and failures	4
4.3	UNCTAD- critical analysis of UNCTAD activities, - objectives	4
4.4	Functions success and failures of UNCTAD	3
4.5	Suggestions for future success of UNCTAD.	3
5.1	The rise and fall of Bretton – Wood, emerging international monetary system	5
5.2	International monetary transfer	3
5.3	International debt crisis	3
5.4	problems of India‟s international debt	4
5.5	Recent import export policies of India.	3

M.A. ECONOMICS
FOURTH - SEMESTER
Paper – II
Contemporary Issues in Indian Economy - 2

Course Code – ECO 402 **Course Type – CCC**

Scheme of Marks :-

1. Short Answer Type Questions – Three questions carrying five marks each are to be asked and two questions are to be attempted (Word Limit- 100)
2. Middle Answer Type Questions – Three questions carrying nine marks each are to be asked and two questions are to be attempted (Word Limit- 250)
3. Long Answer Type Questions – Five questions carrying fourteen marks each are to be asked and three questions are to be attempted (Word Limit- 70-1000)

SYLLABUS

Module/ Unit & Lecture	Description
Module-1 (Lecture-18)	**The Agriculture Sector** – Institutional structure, Land reforms in India, technological changes in agriculture, Pricing of agriculture inputs and outputs, Agricultural finance, Agricultural marketing and warehousing, Issues in food security, Policies for sustainable agriculture.
Module-2 (Lecture-18)	**The Industrial Sector** – Industrial Policy of 1991,Recent industrialpolicy, Terms of trade between agriculture and industry,
Module-3 (Lecture-18)	**Public sector enterprises and their performance**- Problem of sick units in India , Privatization and Disinvestment debate, Growth and pattern of industrialization, Productivity in industrial sector, Small scale sector - problems , Exit policy , Issues in labour market reforms.
Module-4 (Lecture-18)	**External Sector –** Issues in export and import policies and FEMA,Foreign capital and MNCs in India, The progress of trade reforms in India, Rationale of internal and external reforms, Globalization of Indian economy.
Module-5 (Lecture-18)	Financial Sector Reforms, Banking reforms since independence, Bank‟s Interest rate policy, Review of monetary policy of RBI, Money and Capital markets, Working of SEBI in India, Monatization.

References-

1. Bawa, R.S. and Raikhy (Ed. 1997) Structural Change in Indian Economy, Guru Nanak Dev University Press, Amritsar.
2. Brahmananda P.R. and V.R. Panchamukhi – (9^{th} ed. 200-2501) Development Experience inIndian Economy, Bookwell, Delhi.
3. भारतीय अर्थव्यवस्था – मिश्रा एवं पुरी, हिमालया पब्लिशिंग हाउस, मुंबई
4. भारतीय अर्थव्यवस्था – रूद्रदत्त एवं सुन्दरम, एस.चांद एंड कंपनी, नई दिल्ली
5. भारतीय अर्थव्यवस्था – मामोरिया एवं जैन, साहित्य भवन पब्लिकेशन आगरा
6. भारतीय अर्थव्यवस्था – सत्यदेव देराश्री नारायण अग्रवाल, हास्पिटल रोड़,आगरा
7. Indian Economy – K.R. Gupta and J.R. Gupta, ATLANTIC Publisher

M.A. ECONOMICS FOURTH – SEMESTER Paper – II Contemporary Issues in Indian Economy - 2		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	**The Agriculture Sector** – Institutional structure	3
1.2	Land reforms in India	2
1.3	Technological changes in agriculture	2
1.4	Pricing of agriculture inputs and outputs	3
1.5	Agricultural finance	2
1.6	Agricultural marketing and warehousing	2
1.7	Issues in food security	2
1.8	Policies for sustainable agriculture	2
2.1	**The Industrial Sector** – Industrial Policy of 1991	6
2.2	Recent industrialpolicy	6
2.3	Terms of trade between agriculture and industry.	6
3.1	**Public sector enterprises and their performance**- Problem of sick units in India	3
3.2	Privatization and Disinvestment debate	3
3.3	Growth and pattern of industrialization	3
3.4	Productivity in industrial sector	3
3.5	Small scale sector – problems	3
3.6	Exit policy	1
3.7	Issues in labour market reforms.	2
4.1	**External Sector –** Issues in export and import policies and FEMA	4
4.2	Foreign capital and MNCs in India	3
4.3	The progress of trade reforms in India	3
4.4	Rationale of internal and external reforms	4
4.5	Globalization of Indian economy.	4
5.1	Financial Sector Reforms	3
5.2	Banking reforms since independence	3
5.3	Bank‟s Interest rate policy	3
5.4	Review of monetary policy of RBI	3
5.5	Money and Capital markets	3
5.6	Working of SEBI in India and Monatization.	3

M.A. ECONOMICS
FOURTH - SEMESTER
Paper – III
Environmental Economics – Issues and Policies

Course Code – ECO 403 **Course Type – CCC**

Course Outcomes:

CO 01. On completion of the course, the student will be able to identify dynamic resource utilisation problems in the context of renewable and non-renewable resources.

CO 02. The course the students will be able to identify the various property rights regime and understand the institutional economic approach to resource management.

CO 03. The students will also about the alternative resource depletion time-path under various market regimes.

CO 04. Besides, the course will enable a student to will be able to understand the risk and uncertainty associated with resource use.

CO 05. The objective of the course is to develop economic perspectives on modern environmental issues and to apply economic theory.

CO 06. After completion of the course, the students will be able to learn that economic objectives are not necessarily in conflict with environmental goals, and that markets mechanisms can be useful to improve environmental quality.

CO 07. At the end of the course, the student will be able to place environmental problems in an economic framework.

CO 08. Assignments based on focused questions relating the theory to real life scenarios, the students are assessed on their comprehension of the subject matter and on their understanding of the interface between theory and practice.

CO 09. The theoretical aspect covers the assimilation of micro and macro theoretic frameworks while the students are also expected to analyse the topical issues related to Indian economic problems in the backdrop of global economic experience.

CO 10. The students thus develop an analytical mi develop a forecasting ability in given scenarios. This also gives them access to economic model building and a research orientation to identify the problematic.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	S	S	M	M	M	M	L	L	L
CO2	S	S	M	M	M	M	L	L	L
CO3	S	S	M	M	M	M	L	L	L
CO4	S	S	M	M	M	M	L	L	L
CO5	S	S	M	M	M	M	L	L	L
CO6	S	S	M	M	M	M	L	L	L
CO7	S	S	M	M	M	M	L	L	L
CO8	S	S	M	M	M	M	L	L	L
CO9	S	S	M	M	M	M	L	L	L
CO10	S	S	M	M	M	M	L	L	L

S- Strong, M- Medium, L-Low

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted

2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)

3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)

4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

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M.A. ECONOMICS FOURTH - SEMESTER Paper – III Environmental Economics – Issues and Policies	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Environmental Issues of primary sector- Changing land use and cropping pattern and Environmental Issues, Problem of grazing land, Pasture and livestock management, Problem of conservation of forests and bio-diversity
Module-2 (Lecture-18)	Industrial Development and Environmental Issues – Change in growthand structure of industries in India, Growth of pollutant industries, Problem of air and water pollution, Management of solid and liquid wastes.
Module-3 (Lecture-18)	International Environment Issues - Global warming , Green House effectAcid rain, Sea pollution.
Module-4 (Lecture-18)	Ozone Layer depletion, Nuclear and Radio- active pollution, Natural calamity, deforestation, degradation in Bio diversity.
Module-5 (Lecture-18)	Environmental Policy in India, Important Environmental laws, International environment agreements and India‟s approach, pollution control strategies, Implementation of Environmental laws in India.

References

1. Bromly. D.W.(1995 ed.) Hand book of Environmental Economics, Blackwell, London.
2. Hanley N.J.F. shogern and B.White(1997) Environmental Economics in Theory and Practice, Mc millan
3. Hussen, A.M. (1999) Principles of Environmental Economics Rutledge, London.
4. Madhu Raj- Environmental Economics
5. पर्यावरण शिक्षा–आर.ए. शर्मा–लाल बुक डिपो, मेरठ
6. Environmental Laws- Benimadhab Chatterjee Deep & Deep publications.

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M.A. ECONOMICS FOURTH – SEMESTER Paper – III Environmental Economics – Issues and Policies		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Environmental Issues of primary sector- Changing land use and cropping pattern and Environmental Issues	6
1.2	Problem of grazing land	3
1.3	Pasture and livestock management	3
1.4	Problem of conservation of forests and bio-diversity	6
2.1	Industrial Development and Environmental Issues – Change in growthand structure of industries in India	6
2.2	Growth of pollutant industries	3
2.3	Problem of air and water pollution	6
2.4	Management of solid and liquid wastes.	3
3.1	International Environment Issues - Global warming	6
3.2	Green House effectAcid rain	6
3.3	Sea pollution.	6
4.1	Ozone Layer depletion, Nuclear and Radio- active pollution	6
4.2	Natural calamity	3
4.3	Deforestation	3
4.4	degradation in Bio diversity.	6
5.1	Environmental Policy in India	3
5.2	Important Environmental laws	3
5.3	International environment agreements and India‟s approach	6
5.4	pollution control strategies	3
5.5	Implementation of Environmental laws in India.	3

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M.A. ECONOMICS
FOURTH - SEMESTER

Paper – IV

COURSE TITLE : DISSERTATION

Course Code – ECO - 421 **Course Type – SSC/PRJ**

CREDIT : 6 **MARKS : 100**

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faculty members in various aspects of socio-economic contemporary issues/problems of Indian economy.

The student shall be required to submit **two (2)** typed copies of **DISSERTATION** duly forwarded by head of the department which shall be examined by the internal / external examiner.

M. A. ECONOMICS
(FOURTH SEMESTER)
ELECTIVE PAPER

COURSE CODE: ECO D01 **COURSE TYPE : ECC/CB**

COURSE TITLE: Agricultural Economics: Issues and Policies

COURSE OUTCOME

CO 01. To enable the students to have an understanding of the various issues of the Indian Economy.
CO 02. Te enable the students to comprehend and critically appraise current issues and problems of Indian economy.
CO 03. The focus of this course is on the development of Indian Economy since Independence.
CO 04. To understand the importance of planning undertaken by the government of India.
CO 05. To provide a detailed treatment of issues in agricultural economics.
CO 06. To familiarize students with policy issues those are relevant to Indian Agricultural Economics.
CO 07. To enable them analyse the agricultural issues using the economic concepts

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	S	M	L	M	M	L	M	L
CO2	S	S	M	L	M	M	L	M	L
CO3	S	S	M	L	M	M	L	M	L
CO4	S	S	M	L	M	M	L	M	L
CO5	S	S	M	L	M	M	L	M	L
CO6	S	S	M	L	M	M	L	M	L
CO7	S	S	M	L	M	M	L	M	L

S- Strong, M- Medium, L-Low

SALLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: 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.

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M. A. ECONOMICS (FOURTH SEMESTER) ELECTIVE PAPER Agricultural Economics: Issues and Policies	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	**Rural Economics Activities and Labour Market:** Rural Industrialization scope and of agro-industries, economic condition of agricultural laborers –national Rural Employment Guarantee program, main characteristics, implementation mechanism, evaluation, lessons.
Module-2 (Lecture-18)	Rural and Agricultural programs and its evaluation in India, economic development and Social welfare oriented programs in Chhattisgarh and its evaluation
Module-3 (Lecture-18)	**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.
Module-4 (Lecture-18)	**Agricultural Marketing and Prices:** Agricultural Marketing - Defects in agricultural Marketing - Corrective measures - Regulated and Co-operative marketing - Agricultural PricePolicy - Objective - Instrument Evaluation - Food security - Agricultural prices and Public distribution scheme (PDS) Terns of trade between agricultural and non-agricultural sector.
Module-5 (Lecture-18)	**Agricultural and External Sector:** Foreign trade in agricultural commodities - Globalization WTO and Indian agriculture - Peasant farming system in developing countriesfarming system in developed countries - World Food Assistance.

SUGGESTED READINGS

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

M. A. ECONOMICS (FOURTH SEMESTER) ELECTIVE PAPER Agricultural Economics: Issues and Policies		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	**Rural Economics Activities and Labour Market:** Rural Industrialization scope and of agro-industries.	3
1.2	economic condition of agricultural laborers –national Rural Employment Guarantee program	3
1.3	main characteristics	3
1.4	implementation mechanism	3
1.5	Evaluation	3
1.6	Lessons	3
2.1	Rural and Agricultural programs and its evaluation in India	9
2.2	economic development and Social welfare oriented programs in Chhattisgarh and its evaluation	9
3.1	**Co-operation and Rural Finance:** Integrated rural credit	3
3.2	scheme Role of Co-operative sector in rural finance	6
3.3	Commercial banks	3
3.4	RRBS - NABARD and Rural finance	3
3.5	New challenges in rural finance.	3
4.1	**Agricultural Marketing and Prices:** Agricultural Marketing	2
4.2	Defects in agricultural Marketing	2
4.3	Corrective measures	2
4.4	Regulated and Co-operative marketing	2
4.5	Agricultural PricePolicy	2
4.6	Objective - Instrument Evaluation	2
4.7	Food security	1
4.8	Agricultural prices and Public distribution scheme (PDS) Terns of trade between agricultural and non-agricultural sector.	6
5.1	**Agricultural and External Sector:** Foreign trade in agricultural commodities	6
5.2	Globalization WTO and Indian agriculture	3
5.3	Peasant farming system in developing countriesfarming system in developed countries	5
5.4	World Food Assistance.	4

M. A. ECONOMICS
(FOURTH SEMESTER)
ELECTIVE PAPER

COURSE CODE: ECO D02 **COURSE TYPE : ECC/CB**

COURSE TITLE: Economics of Regionalism

Course Outcomes: .

CO 01. Familiarity with the theoretical and empirical analysis of economic growth process and policy implications.
CO 02. Acquiring technical skills on measurement issues related to Total Factor Productivity.
CO 03. Gaining awareness of problems of economic growth in the phase of globalisation exploring major growth strategies and development.
CO 04. Understanding of the growth trajectory of the Indian economy in the post-reform period with critical review of poverty, inequality and unemployment issues
CO 05. Getting a thorough familiarity with the concept of globalisation, its dimension and about how it differs from similar other concepts.
CO 06. Learning the techniques of constructing globalisation index.
CO 07. A critical examination of the question whether globalization has led to greater inequality or less.
CO 08 A critical account of factual evidences of globalisation.
CO 09. Understanding the positive and negative fallouts of globalization

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	M	M	L	M	M	M	M	M
CO2	M	M	M	M	M	M	M	M	M
CO3	M	M	S	M	M	M	M	M	M
CO4	M	M	M	M	M	M	M	M	M
CO5	M	M	M	S	M	M	M	M	M
CO6	M	M	M	M	M	M	S	M	M
CO7	M	M	M	M	M	M	M	M	M
CO8	M	M	M	M	M	M	M	M	M
CO9	M	M	M	M	M	M	M	M	M

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1 Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2 Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3 Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4 Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: Post 1990s have witnessed a new global trend in international trade and relations. This order is to stay in coming years. Post Graduate students ought to get themselves familiarize with this new economic order and its implications. Besides, others who are practitioners of trade and commerce may benefit from this course.

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M. A. ECONOMICS (FOURTH SEMESTER) ELECTIVE PAPER Economics of Regionalism	
;	**SYLLABUS**
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Rationale behind Regionalism: Motivation; Multinational Trade Liberalization and RIAs; Regional V/S Global Liberalization; RIAs and Domestic Policy Integration; Impact of RIACreation; Choice of partners and their impact on Small Economies.
Module-2 (Lecture-18)	Economics of Custom Unions (Viner), Economics of Scale and Custom Union. Unilateral tariff reduction & Custom Union; The GATT's Article XXIV, Preferential Trading Areas and Multilaterarlism.
Module-3 (Lecture-18)	Theories of New Regionalism; New Regionalism: Revisited; WorldOrder Approach; Regionalism and World Order: The Changing Global Setting. New Regionalism and Economics Development.
Module-4 (Lecture-18)	Building Blocs of Broader Regional Cooperation; ASEAN's Role in Asian Economic Integration; ; India and the Asian Economic Integration; The European Case; Systemic Sourcesof variation in Regional Institutionalization in Europ.
Module-5 (Lecture-18)	WTO and RTAs; Rules on Regional Trade Agreements; The EU, ASEAN, MURCUR,NAFTA, SAARC; Asian Economics Community; RTAs and Multilateral Trading System (MTS).

M. A. ECONOMICS (FOURTH SEMESTER)
ELECTIVE PAPER Economics of Regionalism

SUGGESTED READINGS

1. Murray C. Kemp & Henry Y. Wan Jr. 91976) An Elementary Proposition Encouraging the Formation of Customs Unions, Journal of International Economics, 6 Feb. 95-7.
2. Paul Wonnacott and Ronald Wonnacott (1981) "Is Unilateral Tariff Reduction Preferableto a Customs Union? The Curios Case of the Missing Foreign Tariffs' American Economic Review 719(4) Sep. 70-1004-14
3. Richard H. Snape 91993) "History and Economics of GATTS Article XXTV in My Anderson and Richard Blackhurs (Eds) Regional Integration and Global Trading System, New York: Havesfer Wheatsheaf, 273-91.
4. J. Bhagwati & A. Panagariya (1998) "Preferential Trading Areas and Multilateralism: Strangers, Friends and Foes? In Regionalism in Trade Policy: Essays on Preferential Trading, Singapore, River Edge, NJ & London.
5. Arvind Panagariya (200-2500-600) "Preferential Trade Liberalisation: The Traditional Theory andNew Developments" Journal Economc Literature, XXXVIII 2 June, 287-331.
6. Martin Richardson (1993) "Endogenous Protection and Trade Diversion" Journal of International Economics, 34 (3-4) May 309-24.
7. Richard E. Baldwin 91995) "A Domino Theory of Regionalism" in Richard Baldwin, Perth Haaparonta and Jarakko Kiander (eds), Expanding Membership of the European Union, Cambridge: Cambridge University Press 25-48.
8. Arvind Panagariya and Ronald Fividlay (1996) "A Political Economy Analysis of Free Trade Areas and Customs Unions" in Robert C Feensba, Gene M. Grossman and Dongla A. Irwin (eds) The Political Economy of Trade Policy: Papers in Honor of Jagdish Bhagwati. Cambridge, MA:MIT Press (265-87)
9. Kyle Bawell and Robert W. Staiger (1997) "Multilateral Tariff Cooperation During the Formation of Customs Unions" Journal of International Economics, 42,91-123.
10. Philip I. Lecy (1997) " A Political Economics Analysis of Free Trade Agreements" American

Economic Review 87 (4) Sept. 506-19.

11. Pravin Krishna (1996) "Regionalism and Multilateralism " A Political Economy Approach"Quarterly Journal of Economics XIII (I) Feb, 227-51.
12. Wilfred J. Ethier (1958) "Regionalism in a Multilateral World" Journal of Political Economy 106 (6) Dec. 1214-45."The Political Economy of Regionalism", by Edward D Mansfield,

Helen V Milner; Columbia University Press, 1997."Open Regionalism", Working Paper 97-3 by C Fred Bergsten, Peterson Institute, Washington D.C. USA.

13. "Regionalism or Multilateralism" of Giorgia Albertin: IMF Working Paper, 1March 200-2508.
14. "Theories of New Regionalism" A Palgrave Macmillan Publication, Nov 200-2503 Edited byFredriek Soderbaurne and Timothy M. Shaw.
15. "The Economics of International Integration", by Peter Robson, Published by • Regional Trade Agreement Section, WTO, Geneva, SWISS.
16. WTO Multilateralising Regionalism; Challenges for the Global Trading System, Feb. 200-2509.
17. WTO Discussion Paper No. 12, the Changing Landscape of Regional Trade Agreement, 200-2506.
18. Jacob Viner (1950) "The Economics of Customs Unions" in the Custom Union Issue Chapter 4, NY: Carnegie Endowment for International Peace, 41-81.
19. W.M. Corden (1972)"Economies of Scale and Customs Union Theory" Journal of Political Economy, 80, January/February/November/December 465-75.

M. A. ECONOMICS (FOURTH SEMESTER)		
ELECTIVE PAPER Economics of Regionalism		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Rationale behind Regionalism: Motivation	3
1.2	Multinational Trade Liberalization and RIAs	3
1.3	Regional V/S Global Liberalization	3
1.4	RIAs and Domestic Policy Integration; Impact of RIACreation	5
1.5	Choice of partners and their impact on Small Economies.	4
2.1	Economics of Custom Unions (Viner)	4
2.2	Economics of Scale and Custom Union.	4
2.3	Unilateral tariff reduction & Custom Union	4
2.4	The GATT's Article XXIV	2
2.5	Preferential Trading Areas and Multilaterarlism.	4
3.1	Theories of New Regionalism	3
3.2	New Regionalism: Revisited	3
3.3	WorldOrder Approach	3
3.4	Regionalism and World Order	3
3.5	The Changing Global Setting	3
3.6	New Regionalism and Economics Development.	3
4.1	Building Blocs of Broader Regional Cooperation	4
4.2	ASEAN's Role in Asian Economic Integration	3
4.3	India and the Asian Economic Integration	3
4.4	The European Case	4
4.5	Systemic Sourcesof variation in Regional Institutionalization in Europ.	4
5.1	WTO and RTAs	2
5.2	Rules on Regional Trade Agreements	2
5.3	The EU, ASEAN, MURCUR,NAFTA, SAARC	8
5.4	Asian Economics Community	2
5.5	RTAs and Multilateral Trading System (MTS).	2

M. A. ECONOMICS

(FOURTH SEMESTER)

ELECTIVE PAPER

COURSE CODE: ECO D03 **COURSE TYPE : ECC/CB**

COURSE TITLE: Economics of Transportation

Course Outcomes:

CO 01. Understanding the processes of agricultural transformation and rural development.

CO 02. Familiarity with the dynamics of rural and urban labour markets along with the employment situation in urban informal sector.

CO 03. Understanding of the various aspects of development strategies of governments of developing countries involving both the public and private sectors Understanding the basics of infrastructure and economic development.

CO 04. Familiarity with the economic theories and models required for infrastructural planning.

CO 05. Understanding the role of infrastructure in economic development considering one of its most important historical constituents, namely transportation.

CO 06. Ability to understand theoretical and practical issues in infrastructural development and pricing.

CO 07. A critical assessment of the role of private funding in railway infrastructure.

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	S	M	M	M	L	L	L	L
CO2	M	S	M	M	M	L	L	L	L
CO3	M	S		M	M	L	L	L	L
CO4	M	S	M	M	M	L	L	L	L
CO5	M	S	M	M	M	L	L	L	L
CO6	M	S	M	M	M	L	L	L	L
CO7	M	S	M	M	M	L	L	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

OBJECTIVE: Transport is vital sector of a developing economy. Post Graduate students need to learn principles, policy and issues of transport economics. For a geographically huge economy like ours, this sector offers job opportunities. This course shall enhance job potential of learners.

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M. A. ECONOMICS (FOURTH SEMESTER) Economics of Transportation	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Role of transport in Economic Development - environmental and sociological aspects oftransportation - Transport and tourism..
Module-2 (Lecture-18)	The demand for transport - The problem -of the peak - Seasonal variation - Factors affecting demand for transport - The elasticity of demand - Demand measurement
Module-3 (Lecture-18)	Market research - The supply of transport - The economics of market structures Economies of scale -the interaction of supply and demand.
Module-4 (Lecture-18)	Principles of transport pricing -- Pricing and market structure - Cost of service principle - Value of service - Subsidies in transport - Problems and justification for subsidies. Investment criteria in transport - Cost Benefit Analysis of transport projects - AppraisalMethodology - Economic cost - Forecasting traffic - Economic Benefits.
Module-5 (Lecture-18)	Performance of transport in India - Road, Railways, Air and Water - Urban transport Pattern of growth - issues associated with urban transport - issues related to private sectorparticipation - Financing legal and regular aspects.

References-

1. S.K. Srivasthava, The Economics of Transport, Sullhan C'hand and Company (Module I)
2. P.C Stubbs, W.J Tyson and M.Q Daivi, Transport Economics, George Alien and Umvin,Boston, 1986 (Module - II)
3. G.J Bell, D.A Blackledge, P.J Bowen. The Economics and Planning of Transport,Henemann, London, 1983 (Module II, III, IV)
4. Kirth Parik, India Development Report, 1997 and 200-2500-600 (Tworeports), Oxford University Press, New Delhi.

M.A. ECONOMICS
SEMESTER - FOURTH
Elective Paper
Demography

Course Code – ECO D04 **Course Type – ECC/CB**

COURSE OUTCOME

CO 01. To enable the students to have an understanding of the various issues of the Indian Economy.
CO 02. Te enable the students to comprehend and critically appraise current issues and problems of Indian economy.
CO 03. The focus of this course is on the development of Indian Economy since Independence.
CO 04. To understand the importance of planning undertaken by the government of India.
CO 05. To provide a detailed treatment of issues in agricultural economics.
CO 06. To familiarize students with policy issues those are relevant to Indian Agricultural Economics.
CO 07. To enable them analyse the agricultural issues using the economic concepts

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**
CO1	M	S	M	M	M	S	L	L	L
CO2	M	S	M	M	M	S	L	L	L
CO3	M	S	M	M	M	S	L	L	L
CO4	M	S	M	M	M	S	L	L	L
CO5	M	S	M	M	M	S	L	L	L
CO6	M	S	M	M	M	S	L	L	L
CO7	M	S	M	M	M	S	L	L	L

S- Strong, M- Medium, L-Low

SYLLABUS

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

M.A. ECONOMICS SEMESTER – FOURTH Elective PaperDemography	
SYLLABUS	
Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Demography - Definition and importance, size, composition and distribution of population, Tools of demographic analysis- Sex-Ratio, Child woman ratio Population Pyramid, Measurement of population growth, Determinant‟s of age and sex structure, Pattern of age and sex structure in less developed countries, Study of census in India.
Module-2 (Lecture-18)	Theories of population - Malthusian theory, Optimum population theory, Theory of Demographic Transition, Biological and socio- cultural theories, population explosion, Migration-classification , Factors affecting migration, effects of migration and measurement of migration, Urbanization-causes and effects, Urbanization in India
Module-3 (Lecture-18)	Fertility- meaning of fertility and fecundity, determinants of fertility, causes of high fertility rates in India, measurements of fertility- Crude Birth Rate, General Fertility Rate, Age- specific Fertility Rate, Total Fertility Rate and Standardized Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate, Fertility pattern in India.
Module-4 (Lecture-18)	Mortality - Meaning of mortality and morbidity, causes of death in India measurement of mortality- Crude death rate, Age- specific death rate Infant mortality rate, Standardized mortality rate; Sources of mortality data in India.
Module-5 (Lecture-18)	Trends in death rates in India after independence; Life Table- definition, Construction of life tables, Uses of life tables, limitations; Methods of population projection . Evolution of population policy in India, New population policy.

References-

1. वी. सी. सिन्हा एवं पुष्पा सिन्हा–जनांकिकी के सिद्धांत मयूर पेपरबैक्स, नोयडा
2. डॉ. जयप्रकाश मिश्र–जनांकिकी–साहित्य भवन पब्लिकेशन्स आगरा
3. M.L.Jhingan & others- „Demography‟ Vrinda Publications Private Limited
4. Srinivasan, K.-„Basic Demographic Techniques & Application, saga publication.
5. वी. कुमार–जनांकिकी–मयूरपेपर वैक्स नोयडा
6. Population Economic-B.N. Ghosh Deep & Deep, publication.
7. जनांकिकी– जे. सी. पन्त, विशाल पब्लिशिंग कं., जालंधर

M.A. ECONOMICS SEMESTER – FOURTH Elective PaperDemography		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Demography - Definition and importance, size, composition and distribution of population	4
1.2	Tools of demographic analysis- Sex-Ratio, Child woman ratio Population Pyramid	4
1.3	Measurement of population growth	3
1.4	Pattern of age and sex structure in less developed countries	4
1.5	Study of census in India	3
2.1	Theories of population - Malthusian theory	2
2.2	Optimum population theory	2
2.3	Theory of Demographic Transition	2
2.4	Biological and socio- cultural theories	2
2.5	population explosion	2
2.6	Migration-classification	2
2.7	Factors affecting migration, effects of migration and measurement of migration	2
2.8	Urbanization-causes and effects	2
2.9	Urbanization in India	2
3.1	Fertility- meaning of fertility and fecundity	2
3.2	Determinants of fertility	2
3.3	causes of high fertility rates in India	2
3.4	measurements of fertility- Crude Birth Rate	2
3.5	General Fertility Rate	2
3.6	Age- specific Fertility Rate	2
3.7	Total Fertility Rate and Standardized Fertility Rate	2
3.8	Gross Reproduction Rate and Net Reproduction Rate	2
3.9	Fertility pattern in India	2
4.1	Mortality - Meaning of mortality and morbidity	4
4.2	Causes of death in India measurement of mortality- Crude death rate	4
4.3	Age- specific death rate Infant mortality rate	4
4.4	Standardized mortality rate	3
4.5	Sources of mortality data in India.	3
5.1	Trends in death rates in India after independence	2
5.2	Life Table- definition	2
5.3	Construction of life tables	2
5.4	Uses of life tables	2
5.5	limitations; Methods of population projection	3
5.6	Evolution of population policy in India,	2
5.7	New population policy.	2

M.A. ECONOMICS

FOURTH - SEMESTER

Elective Paper

COMPUTER APPLICATION IN ECONOMIC ANALYSIS – II

Course Code – ECO D05 **Course Type – CCC /CB**

Course Outcome

CO 01. Knowledge about spurious regression
CO 02- Data generating process
CO 03. Unit root test
CO 04. Co integration
CO 05. Vector Error correction Model
CO 06. Granger Causality
CO 07. Knowledge about forecasting Importance of forecasting of economic variables for policy decision
CO 08. Knowledge about Panel data .
CO 09. Difference between Pooled data and Panel data
CO 10. Fixed effect Model
CO 11. Random Effect Model

MAPPING WITH PROGRAMME OUTCOMES									
COS	**PO 1**	**PO2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**
CO1	S	S	L	L	M	M	M	M	M
CO2	S	S	L	L	M	M	M	M	M
CO3	S	S	L	L	M	M	M	M	M
CO4	S	S	L	L	M	M	M	M	M
CO5	S	S	L	L	M	M	M	M	M
CO6	S	S	L	L	M	M	M	M	M
CO7	S	S	L	L	M	M	M	M	M
CO8	S	S	L	L	M	M	M	M	M
CO9	S	S	L	L	M	M	M	M	M
CO10	S	S	L	L	M	M	M	M	M
CO11	S	S	L	L	M	M	M	M	M

S- Strong, M- Medium, L-Low

Skill gained

- Introduction of eviews software
- Hands on experience regarding import of excel file(data) to the software
- Performing Augmented Dickey Fuller Unit root test
- Performing Engel-Granger test of Cointegration
- Johensen test of Cointegration
- Pair wise Granger Causality test
- ARIMA forecasting
- Vector Auto regression forecasting
- How the panel data can be arranged in excel file
- How this arrangements can be imported into eviews software

M.A. ECONOMICS FOURTH - SEMESTER
Elective Paper COMPUTER APPLICATION
IN ECONOMIC ANALYSIS – II

Scheme of Marks :-

1. Objective Question – Twelve questions carrying one marks each, are to be asked and ten questions are to be attempted
2. Short Answer Type Questions – Five questions carrying three marks each, are to be asked and three questions are to be attempted (Word Limit- 70-100)
3. Middle Answer Type Questions – Five questions carrying Six marks each, are to be asked and three questions are to be attempted (Word Limit- 200-250)
4. Long Answer Type Questions – Five questions carrying eleven marks each are to be asked and three questions are to be attempted (Word Limit- 500-600)

SYLLABUS

Module/ Unit & Lecture	**Description**
Module-1 (Lecture-18)	Regression Methods and Technique Regression Analysis Data Validation, Trends and Cycle City Forecasting System Modeling and Description.
Module-2 (Lecture-18)	System Equation; Specification; Error and Correction Strategies; Statistical Modeling and Descriptive Statistic, Distribution Functions, Regression Statistics.
Module-3 (Lecture-18)	I.T.s Application Commerce, Online Banking ATN"S Electronic Stock, Exchange Electronic Trading Data Sharing and Decimation; Electronic Transition; Documents Delivery; Authentication and Validation Transaction; Processing.
Module-4 (Lecture-18)	I.T. Application to Commerce Electronic Trading and Marketing; Online Shopping and Malls, B2B, B2C, and G2B, Models and their Applications;
Module-5 (Lecture-18)	Document and Transaction Security and Digital Signature, Integrated Transition on Mobile Platforms.

References:

1. Rajasekaran, S. (1986) Numerical Methods in Science and Engineering, A.H.wheeler, Allahabad.
2. Sanders, D.H. (1988); Computers Today, McGraw hill (3rd Edition), New York.
3. Sinha,P.K.(1992):Computers Fundamentals, BPB Publications, New Delhi.
4. Rajaraman, V.(1996) Fundamental of Computers, Prentice Hall of India;New Delhi.
5. Lipschultz, M.M.and S. Lipschults (1982) : Theory and Problems of DataProcessing Schum's Outline Seres, McGraw hill, New York.

M.A. ECONOMICS FOURTH - SEMESTER Elective Paper COMPUTER APPLICATION IN ECONOMIC ANALYSIS – II		
Course Contents and Lecture Schedule		
Module NO.	**Topics**	**No. of Lectures**
1.1	Regression Methods and Technique Regression Analysis Data Validation,	9
1.2	Trends and Cycle City Forecasting System Modeling and Description.	9
2.1	System Equation, Regression Statistics.	5
2.2	Specification; Error and Correction Strategies	4
2.3	Statistical Modeling and Descriptive Statistic	5
2.4	Distribution Functions	4
3.1	I.T.s Application Commerce	3
3.2	Online Banking ATN‟S Electronic Stock	3
3.3	Exchange Electronic Trading Data Sharing and Decimation	4
3.4	Electronic Transition; Documents Delivery	4
3.5	Authentication and Validation Transaction; Processing.	4
4.1	I.T. Application to Commerce Electronic Trading and Marketing	6
4.2	Online Shopping and Malls	3
4.3	B2B, B2C, and G2B	6
4.4	Models and their Applications	3
5.1	Document and Transaction Security and Digital Signature	9
5.2	Integrated Transition on Mobile Platforms	9

RAJEEV GANDHI GOVT. P.G. COLLEGE
AMBIKAPUR (C.G.)

SYLLABUS

CBCS STRUCTURE FOR M.A.(ECONOMICS)

SESSION 2023-24

Of

Autonomous Semester System Examination

M.A. I & II SEMESTER
&
M.A. III & IV SEMESTER