

A.D.M. COLLEGE FOR WOMEN

(AUTONOMOUS)

Nationally Accredited with “A” Grade by NAAC - 3rd Cycle
(Affiliated to Bharathidasan University, Thiruchirappalli)
No.1, College Road, Velippalayam,
Nagapattinam – 611 001, Tamil Nadu, India

PG & RESEARCH DEPARTMENT OF ECONOMICS

(for the candidates admitted from the academic year 2021-2022 onwards)



M.A. Economics

2021-2023

**A.D.M COLLEGE FOR WOMEN (AUTONOMOUS),
Nagapattinam**

PG Programme – M.A

(For the candidates admitted from 2021 – 2022 onwards)

Bloom’s Taxonomy Based Assessment Pattern

Knowledge Level

K1 – Recalling	K2 – Understanding	K3 – Applying	K4 – Analyzing	K5 – Evaluating	K6 – Creating
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1. Part I, II and III

Theory (External + Internal = 75 + 25 = 100 marks)

External/Internal					
Knowledge Level	Section	Marks	Hrs.	Total	Passing Mark
K1-K3	A (Answer all)	$10 \times 2 = 20$	3	75	40
K3-K6	B (Either or pattern)	$5 \times 5 = 25$			
K3-K6	C (Answer 3 out of 5)	$3 \times 10 = 30$			

PG AND RESEARCH DEPARTMENT OF ECONOMICS
(For the candidates admitted from the academic year 2021– 2022 onwards)
M.A ECONOMICS

Programme Educational Objectives (PEO)

PEO 1:	• To become ethical persons who think like economists and serve the society.
PEO 2:	• To be provided with Structured syllabi which support the academic development of them
PEO 3:	• To prepare students for employment and further studies in Economics.
PEO 4:	• To be provided well resourced learning environment for Economics.
PEO 5:	• To be equipped with the opportunities to apply economic principles in policy issues of the Economy

Programme Outcomes (POs) PG

On Completion of programme Students, should be able to

PO 1:	• To understand the knowledge and application of micro and macro Economics for the formulation of policies and planning.
PO 2:	• To pinpoint and understand the past, present economic conditions of the country.
PO 3:	• To forecast the future course of changes and development through their knowledge of policies and programme set by government and other development agencies.
PO 4:	• Economics Graduate to be alert with their self-employment to improve the general attitudes and living conditions of the masses.
PO 5:	• To evaluate the consequence of Economic activities for individuals and social welfare.

Programme Specific Outcomes (PSO) M.A.ECONOMICS

PSO 1:	• To analyze historical and current events from an economic perspective.
PSO 2:	• To understand Economic Activities, Planning and Budget.
PSO 3:	• To enriched Knowledge with new ideas and technique essential for business
PSO 4:	• To gain knowledge regarding the implications of mathematical tools in economic planning.
	• To equip the students for employment and further studies in economics

M.A 2021-2022

STRUCTURE OF THE PROGRAMME

COURSE	NO. OF PAPERS	HOURS	CREDIT
Core Course	14	83	66
Elective Course	5	28	20
Project	1	9	4
Total	20	120	90

Passing Minimum: A candidate shall be declared to have passed in each course if she secures not less than 40% marks out 75 marks (ie., 30 marks) in the End Semester Examination (SE) and 50 % out of 25 marks (ie., 10 marks) in the Continuous Internal Assessment (CIA)

**M.A. Economics 2021- 2023 Batch
SCHEME OF THE PROGRAMME**

Sem.	Course Code	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total Marks
						CIA	SE	
I	PGEA	CC- Core Course I Advanced Micro Economic Theory- I	6	5	3	25	75	100
	PGEB	CC- Core Course 2 Macro Economic Theory and Policy – I	6	5	3	25	75	100
	PGEC	CC- Core Course 3 Contributions of Nobel laureates in Economics	6	5	3	25	75	100
	PGED	CC- Core Course 4 Mathematical Methods for Economic Analysis	6	5	3	25	75	100
	PGEE1	EC- Core Course I Indian Economic Problems / Labour Economics	6	4	3	25	75	100
		Total		30	24			
II	PGEE	CC- Core Course 5 Advanced Micro Economic Theory – II	6	5	3	25	75	100
	PGEF	CC- Core Course 6 Macro Economic Theory and policy – II	6	5	3	25	75	100
	PGEG	CC- Core Course 7 Fiscal Economics	6	5	3	25	75	100
	PGEH	CC- Core Course 8 Statistical Methods for Economic Analysis	6	5	3	25	75	100
	PGEE2	EC- Core Course II Environmental Economics/ Human Resource Management	6	3	3	25	75	100
		Total		30	23			
III	PGEI	CC- Core Course 9 Research Methodology	6	5	3	25	75	100
	PGEJ	CC- Core Course 10 Industrial Economics	6	5	3	25	75	100
	PGEK	CC- Core Course 11 International Economics	6	5	3	25	75	100
	PGEL	CC- Core Course 12 Monetary Economics	6	5	3	25	75	100
	PGEE3 A	EC- Core Course III Computer Applications in Economics / Globalization and Development	3	2	2	25	75	100
	PGEE3 BY	Computer Applications in Economics (Practical)	3	1	3			
		Total		30	23			
IV	PGEM	CC- Core Course 13 Agricultural Economics	6	5	3	25	75	100
	PGEN	CC- Core Course 14 Economics of Development	5	5	3	25	75	100
	PGEE4	EC- Core Course IV Economics of Infrastructure /Financial Economics	5	3	3	25	75	100
	PGEE5	EC- Core Course V Health Economics/Advertising Management	5	3	3	25	75	100
	PGSEP	Project	9	4	3	25	75	100
		Total		30	20			
	PGEB	Grand Total	120	90				2000

Semester – I/ Core Course – 1 (CC)	ADVANCED MICRO ECONOMIC THEORY- I	Course Code :PGEA
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To make the students aware of consumer behavior's theories. • To learn various theories of production function. • To enable the students to understand the price discrimination in perfect competition • To learn various theories of oligopoly • To understand the different pricing theories of firm 	
Unit	Content	Hour
Unit -1	DEMAND ANALYSIS Indifference Curve - Meaning - Characteristics - Consumer's Equilibrium-Revealed Preference Theory- Hicksian Reformulation Theory - Consumer Choice Involving Risk- N.M Hypothesis – Friedman - savage Hypothesis - Markowitz Hypothesis.	15
Unit –II	THEORIES OF PRODUCTION FUNCTION Cobb-Douglas, CES Production Function - Euler's Theorem - Law of Variable Proportions -Technical Progress of Production Function.	15
Unit –III	PRODUCT PRICING – I Perfect Competition: Meaning - Features - Short run and Long run Equilibrium -Price Discrimination - Bilateral Monopoly and Monopsony	15
Unit –IV	PRODUCT PRICING – II Duopoly - Cournot, Bertrand, Edgeworth, Stackelberg Model, Hotelling Model and Chamberlin Model; Oligopoly: Meaning - Characteristics - Sweezy Model- Collusive Oligopoly - Cartels: Joint Profit Maximisation Model - Market Sharing Cartel - Price Leadership- Low Cost Price Leadership Model - Dominant Firm Price Leadership Model - Barometric Price Leadership Model - Non- Price Competition in Oligopoly.	15
Unit –V	PRICING THEORIES OF FIRM Neo - Classical Theory of Firm - Marginal Cost Pricing Theory - Hall and Hitch – Full Cost Pricing Theory - Average Cost Pricing, Mark-up rule, Bain's Limit Pricing Theory- Sylos -Labini's Model of Limit Pricing Theory.	15

Unit VI	Self Study Simon’s Satisfying theory Behavioral theory of Cyert and malth theory – group discussion Assignment –seminar	
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Text Book

- 1.Jhingan. M.L - Advanced Micro Economic Theory, 12th Edition ,Vrinda Publication, Private Limited, 2018
- 2.Sankaran. S - Micro Economics, 7th Edition, Margham Publications, Madras, 2018

References

1. Watson - Price theory and uses scientific book Co., Calcutta, 2011.
2. Stigler G - Theory of prize 4th edition prentice hall of India, New Delhi. 2017.
3. Koutsoyiannis - Modern Micro Economics Macmillan press, London, 1971.
4. Ahuja H.L - Advanced Economic Theory, 11th Edition, S Chand and co., Ltd., Ram Nagar, New Delhi 2015
5. Thomas Nagle, John E. Hogan & Joseph Zale - “The Strategy and Tactics of Pricing”. 5thEdition, Pearson International Edition, 2013.

e- Resources

- 1.<http://www>. Introductory Micro Economics – Dr. Pradeep Kumar Mehta, Dr. Mrs. Meena Singh, 2nd Edition 2017.
1. <http://www>. Micro Economics data.pdf

Course Out Comes

On completion of the course students should be able to
CO1:Find out the price of the product
CO2:Understand the cost of production of the product
CO3:Know the procedure of price fixation in perfect competition
CO4:Understand the profit level of oligopoly and duopoly market.
CO5:Know about the different condition of price fixation

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO			PSO					
	1	2		1	2		1	2	
CO1	S	M	CO1	S	M	CO1	S	M	CO1
CO2	S	M	CO2	S	M	CO2	S	M	CO2
CO3	S	M	CO3	S	M	CO3	S	M	CO3
CO4	S	M	CO4	S	M	CO4	S	M	CO4
CO5	S	M	CO5	S	M	CO5	S	M	CO5

Semester – I/ Core Course – 2 (CC)	MACRO ECONOMICS THEORY AND POLICY-1	Course Code :PGEB
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To make the students be aware of the concepts of macro economics. • To develop the skill of calculating National Income. • To aware of various theories of Employment. • To make the students to be aware of the Consumption Function. • To understand the rational behavior of the producer 	
Unit	Content	Hour
Unit -1	INTRODUCTION TO MACRO ECONOMIC ANALYSIS Macro Economic Concepts – Nature and Scope - Importance - Limitations – Methods - Statics - Dynamic - Comparative statics Analysis	15
Unit –II	NATIONAL INCOME ACCOUNTING National Income Accounting- Definition- Concepts and components- Methods of Measuring National Income - Difficulties in Calculation- Circular Flow Model: Two Sector- Three Sector- Four Sector Economy- Social Accounting - Input-Output Accounts -Circular flow of fund Accounting and Balance of Payment Accounts.	15
Unit –III	THEORIES OF EMPLOYMENT Keynes Theory of Employment – Principles of Effective Demand- Aggregate Supply Function - Aggregate Demand Function - Comparison and Contrast Between Classical and Keynes’s Theory	15
Unit –IV	CONSUMPTION FUNCTION Concepts – Keynes Psychological Law - Determinants of Consumption Function - Theories: Absolute Income Hypothesis- Relative Income Hypothesis- Permanent Income Hypothesis- Life Cycle Hypothesis.	15
Unit –V	NEW CLASSICAL MACRO ECONOMICS Supply Side Economics - Rational Expectations Hypothesis - New Classical Macro Economics – Labour Market – Goods Market - Policy Implications	15
Unit VI	Self Study Classical theory of employment say’s law – Pigou’s theory- group discussion-Assignment –Seminar	

Semester – I/ Core Course – 3 (CC)	CONTRIBUTION OF NOBLE LAUREATES IN ECONOMICS	Course Code :PGEC
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To enable the students to understand about the Theories of trade cycle • To know about their economic contributions in detail. • To prepare the students to know about poverty and inequality. • To enable the students to understand the theories of international trade. To know about the recent Nobel laureates and their contributions.	
Unit	Content	Hour
Unit -1	PAUL A.SAMUELSON AND SIR JOHN HICKS Theory of Revealed Preference - Business Cycle Social Welfare Function - Utility Possibility Approach -Main Economic Ideas Consumer's Equilibrium - Revision of Demand Theory - Consumer's Surplus – General Equilibrium - Economic Dynamics - Stationary State - Theory of Trade Cycle - Welfare Economics.	15
Unit –II	UNIT II MILTON FRIEDMAN Theory of Money - Demand Functions - Permanent Income Hypothesis Hypothesis	15
Unit –III	UNIT III AMARTHYA SEN Poverty and Famines - Poverty And Inequality - Concept of Capability –Entitlement - Choice of Technique - Time Series Criteria	15
Unit –IV	UNIT IV ROBERT A.MUNDELL Theory of International Trade -Open Macro Economy Optimum Currency Area Argument - Monetary Approaches to the Balance of Payment - Macro Economics - Fiscal & Monetary Mixtures and the Assignment Rule	15
Unit –V	UNIT V RECENT NOBEL LAUREATES AND THEIR CONTRIBUTION Jean Tirole(2014), Angus Deaton (2015), Oliver Hart(2016),Richard Thaler (2017), Paul Romer(2018),William Nordhaus(2018), Bergt Holmstrom (2018).	15
Unit VI	Self Study Current Nobel laureates ideas.	

Text Book

1. Jhingan M.L - History of Economic Thought vrinta publications, 12nd Edition,2018.
2. Sankaran.S - A History of Economic Thought , Margham Publications , 2nd Edition, 2018.

References

1. Jhinga. M.L - Advanced Micro Theory, vrinta publications, 12nd Edition, 2018.
2. Jhingan. M.L - Macro Economic Theory and Policy,vrinta publications, 12nd Edition, 2018.
3. Lokanathan - History of Economic thought, S. Chand Publicatins,3rd Edition , 2018.

Web- Resources:

1. [http://www. Economics 2007.pdf](http://www.Economics 2007.pdf)
2. <http://www.ndl.litkgp.ac.in>

Course Outcomes

On completion of the course students should be able to

CO1:Understand the consumer's equilibrium and welfare aspects of our economy

CO2:Aware of the concept of demand and supply of money

CO3:Know the Amarthiya sen's ideas of economics

CO4:Find out the balance of payments problems and its measures.

CO5:Aware of the Recent Nobel Laureates and their contribution

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
CO1	S	S	S	S	M	S	S	S	S	S
CO2	S	S	S	S	M	S	S	S	S	S
CO3	S	S	S	S	M	S	S	S	S	S
CO4	S	S	S	S	M	S	S	S	S	S
CO5	S	S	S	S	M	S	S	S	S	S

Semester – I/ Core Course – 4 (CC)	MATHEMATICAL METHODS FOR ECONOMIC ANALYSIS	Course Code :PGED
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To create the awareness among the students about the concepts and techniques of Mathematical methods. • To inculcate the applications of Mathematical Techniques in Economics. • To know the types of matrix and Algebra. • To enable the students to understand the cramer’s rule. • To examine input Output model. 	
Unit	Content	Hour
Unit -1	BASIC CONCEPTS Constants, Variables, Parameters, Coefficient, Functions - Inverse, General and Specific Functions- Types of Functions- Linear and Non- linear. Uses of Mathematics in Economics. (Only Theory).	15
Unit –II	DIFFERENTIAL CALCULUS Differentiation – Definition, sign of Derivatives, Rules of Differentiation – Basic rule, power rule, power of power rule, Addition and Subtraction rule and Quotient rule. Differentiation of Simple Functions Like $y = 5x - 10x + x - 100$. (No Logarithmic, Exponential and Trigonometric functions). Partial derivatives only for two variables, Higher order derivatives up to second order for the functions like $Z = f(x, y) = 10xy - 5xy + 6x - 11y + 1000$. Simple problems	15
Unit –III	MATRIX ALGEBRA Matrix – Definition – Types, Addition and Subtraction of 2 or more matrices, Scalar multiplication of a matrix, Multiplication of 2 matrices, (up to 3x3 order) Singular matrix, Non – Singular matrix, Uses of matrices – Simple problems.	15
Unit –IV	SOLVING SIMULTANEOUS EQUATIONS Determinants – Definitions, Minors and Co-factors of each element of a determinant (Simple problems.... No properties of determinants). Solving simultaneous equations using Cramer’s rule up to 3x3 order – Simple problem	15
Unit –V	UNIT V INPUT - OUTPUT MODEL Leontief’s Input – Output model – Definition, Assumptions, Input Output transaction, Matrix Closed and Open Input – Output models, Uses of Input – Output model, Limitations of Input – Output model (Only theory).	15

Unit VI	Self Study Differential Calculus and its Applications- State Optimization Problems and their application.	
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Text Book

1. Chiang,AC -Fundamental methods of Mathematical Economics MC Graw Hill, New Delhi, 1975.
2. Metha BC and MadnaniG.M.K -Mathematics for Economists, Sultan Chand

References Book

1. Allen R.G.D - Mathematical Analysis of Economist,Macmillan press and ELBS,Landon,2001.
2. Dr.Agarwal H.S - A mathematical approach to Economic Theory Lakshmi Narayana Agarwal, Educational publications,Agra,2001.
3. Badal Mukherji and pandit -Mathematical Methods for Economic Analysis, Allied Publisher Pvt, New Delhi,2005.

Web- Resources:

1. <http://www.ndl.litkgp.ac.in>
2. <http://www.nlist.inflibnet.ac.in>

Course out comes

On completion of the course students should be able to

CO1: Understand the concepts of parameters co efficient and it functions

CO2:Know the definitions and signs of derivatives.

CO3:Understand the matrix and algebra.

CO4:Explain cramers'rule.

CO5:Understand input output model

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
CO1	S	S	S	S	M	S	S	S	S	S
CO2	S	S	S	S	M	S	S	S	S	S
CO3	S	S	S	S	M	S	S	S	S	S
CO4	S	S	S	S	M	S	S	S	S	S
CO5	S	S	S	S	M	S	S	S	S	S

Semester – I/ Elective course – 1 (EC)	INDIAN ECONOMICS PROBLEMS	Course Code :PGEE1
Instruction Hours : 6	Credits : 4	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • Make the students to understand about various sectors and their Development in Indian Economy. • To know about Agricultural sector , • To know the trends of industrial sector. • To analyse the major issues in Indian Economy. To enable the students to understand the Economic Returns.	
Unit	Content	Hour
Unit -1	DEMOGRAPHIC FEATURES Basic Demographic Features: Rural -Urban Migration; Urbanization - Environment Regional Imbalance; Issues and Policies - New Population Policy.	15
Unit –II	AGRICULTURAL SECTOR Institutional Structure - Land Reforms in India; Technological Change in Agriculture - Pricing of Agricultural inputs and outputs - Terms of Trade between Agriculture and Industry - Agricultural Finance Policy - Concepts in Food Security - Policies for Sustainable Agriculture	15
Unit –III	INDUSTRIAL SECTOR New Industrial policy; Public sector Entrepreneurs and their performance; problems of sick units in India; Privatization and disinvestment debate; MSMEs; productivity in industrial sector - Issues in Labour market reforms - Concepts of Medium and Small Enterprise- Large Scale Industries- Industrial Problems - Measures- New Industrial Policy.	15
Unit –IV	PLANNING AND MAJOR ISSUES 12 th Five year Plan in India - Objectives and strategies - Achievements and failures –NITI-Aayog - features and Functions; Major Issues - Poverty - Inequality – Unemployment - Black Money.	15

Unit –V	ECONOMIC REFORMS Globalization of Indian Economy; W.T.O. and its impact- Impact of Economic Reforms on Indian Economy - FDI and FII - Banking and Financial Sector Reforms - Global Economic Crisis and Indian Economy.	15
Unit VI	Self Study Impact of covid-19 on Indian Economy	

Text Book

1. Dutt, Ruddar. K.P.M. Sundaram - Indian Economy, Sultan Chand & CO., New Delhi, 2015

Dr. S.Sankaran - Indian Economy Margam publications, 2015.

References Books

1. Brahmnananda, P.R and V.R. Panchmukhi (Eds) State Perspectives, Book well, Delhi.2000.

2. Dantwala M.L., - Dilemmas of Growth The Indian Experience Saga Publications, New Delhi,1996.

3. Dutt, Ruddar & K.P.M. Sundaram - Indian Economy, Sultan Chand & CO., New Delhi. 2000.

4. Jalan. B - The Indian Economy - Problems & Prospects NewDelhi, 1992.

Web- Resources:

1. <http://www.Development in Women Through EDP Training.pdf>
<http://www.nlist.inflibnet.ac.in>

Course outcomes

On completion of the course students should be able to

CO1: Understand the demographic features of our economy

CO2: Explain the role of agriculture and to bring forth the most important development indicators for agricultural sector.

CO3: Explain the role of industrial aspects in our Economy.

CO4: Develop a prospective on the different problems and approaches to economic planning and development in India

CO5: Understand the role of the Indian economy in the Global context

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
CO1	S	S	S	M	S	S	S	S	S	S
CO2	S	S	S	M	S	S	S	S	S	S
CO3	S	S	S	M	S	S	S	S	S	S
CO4	S	S	S	M	S	S	S	S	S	S
CO5	S	S	S	M	S	S	S	S	S	S

Semester – 2/ core course – 5 (CC)	ADVANCED MICRO ECONOMIC THEORY-II	Course Code :PGEE
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To make the students to be aware of applications and different theories in Micro Economics. • To highlight the practical applications of two sector model. • To make the students to understand Economics of risk.. • To understand the different theories of searching. • To know about the Welfare Economics 	
Unit	Content	Hour
Unit -1	DISTRIBUTION Macro Theories of Distribution: Functional Distribution - Personal Distribution - Theory of Distribution: Ricardian - Marxian- Marginal Productivity Theory of Distribution - Kelecki Degree of Monopoly Theory – Keynesian or Kaldor Model –Sraffa Model - Euler’s Theorem	15
Unit –II	E OF UNCONOMICSCERTAINTY Individual Behaviour Towards Risk- Certainty Equivalence Approaches - Risk Version -Gambling - Insurance - Problems - Choice Between Insurance and Gambling - Asset Portfolio Selection - Markowitz Theory.	15
Unit –III	E OF UNCONOMICSCERTAINTY Individual Behaviour Towards Risk- Certainty Equivalence Approaches - Risk Version -Gambling - Insurance - Problems - Choice Between Insurance and Gambling - Asset Portfolio Selection	15
Unit –IV	COMPETITIVE FIRM UNDER UNCERTAINTY Theory of Search - Stigler’s Model - Rothschild’s Model - Salop’s Model - Salop and Stiglitz’s Model - Asymmetric Information - Market Signaling - Efficient Market Hypothesis - Types - Limitations.	15
Unit –V	WELFARE ECONOMICS Welfare Economics: Concepts - Old Welfare Idea - Pigou - Pareto’s optimality - Social Welfare Functions - Compensation Criteria - Kaldor, Hicks criteria - Arrow’s Impossibility Theorem - Market Failure & Externalities Theory of Second Best	15
Unit VI	Self Study Differential Calculus and its Applications- State Optimization Problems and their application.	

Semester – 2/ core course – 6 (CC)	MACRO ECONOMIC THEORY AND POLICY-II	Course Code :PGEF
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To make the students to understand the Macro Economic concepts. • To train the students in analyzing money and product market • To aware of the causes and the process and problems of Inflation • To understand the theory of Business cycle. • To know about objectives and components of Macro Economic Policy 	
Unit	Content	Hour
Unit -1	INVESTMENT FUNCTION Keynes Theory of Investment - Marginal Efficiency of capital - Marginal Efficiency of Investment - Investment Multiplier - The Principle of Acceleration -The Multiplier - Concept of Super Multiplier. Classical Theory - Loanable Fund Theory - Neo-Classical Theories - Keynesian Liquidity Preference Theory	15
Unit –II	INVESTMENT FUNCTION Keynes Theory of Investment - Marginal Efficiency of capital - Marginal Efficiency of Investment - Investment Multiplier - The Principle of Acceleration -The Multiplier - Concept of Super Multiplier. Classical Theory - Loanable Fund Theory - Neo-Classical Theories - Keynesian Liquidity Preference Theory	15
Unit –III	INFLATION & STAGFLATION Inflation - Meaning- Types - Inflationary Gap - Causes - Relation between Unemployment and Inflation - Phillips Curve - Long-Run Phillips Curve - Tobin’s View-Solow’s View - Rational Expectations- implications of Phillips Curve - Measures to Control Inflation - Effects of Inflation – Stagflation: Meaning- Friedman’s View - Measures to Control Stagflation.	15
Unit –IV	BUSINESS CYCLE Concepts - Phases and Characteristics - Causes - Effects - Theories: Keynesian Theory - Samuelson Model - Hicks Model- Kaldor Model.	15
Unit –V	MACRO ECONOMIC POLICY Macro Economics Policies - Meaning - Objectives - Components - Monetary Policy: Meaning - Objectives and Components, Income Policy: Meaning, Objectives and Components - Trade off in Policy - Objectives - Problems of coordination of Macro Economic Policy.	15

Unit –VI	Self study Swan model- Mundel model Rules Vs Direction in Economics Policy- group discussion –Assignment –seminar.	
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Text Book

1. M.L. Jhingan - Macro Economics, Vrinda Publication Ltd, 2014.
2. D.N. Dwivedi - Macro Economic Theory and Policy Tata McGraw Publishing Company Limited New Delhi , 2001
3. Reddy. R.V - A Review of Monetary and Financial Sector Reforms in India – A Central Baker’s Perspective, UBSPD, New Delhi.2001
4. Edward Shapiro. - Macro Economics , Harcourt Brace, Jovanovich, Inc, New York, 2001.
5. Lucas. R - Studies in Business Cycle Theory, M.I.T. Press, Cambridge, Masscechusetts, 1981.
6. Shapiro, E. - Macro Economic Analysis, Galgotia Publication, New Delhi, 1996.

Web- Resources:

1. Reddy. R.V - A Review of Monetary and Financial Sector Reforms in India – A Central Baker’s Perspective, UBSPD, New Delhi.2001
2. Edward Shapiro. - Macro Economics , Harcourt Brace, Jovanovich, Inc, New York, 2001.
3. Lucas. R - Studies in Business Cycle Theory, M.I.T. Press, Cambridge, Masscechusetts, 1981.
4. Shapiro, E. - Macro Economic Analysis, Galgotia Publication, New Delhi, 1996.

Web- Resources:

1. [http://www. Macro Economics in Context – John Miller.](http://www.MacroEconomicsinContext.com)
[http://www. EconomicGrowth.pdf](http://www.EconomicGrowth.pdf)

Course Out comes

On completion of the course students should be able to
CO1:Understand the positive impact of investment
CO2: Know the relationship between product market and money market
CO3:Find out the measures to control Inflation
CO4:Understand, How to develop business cycle in our Economy.
CO5:Find out measures to the improve the revenue sources of our Economy.

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
CO1	S	M	S	M	S	S	S	S	M	S
CO2	S	M	S	M	S	S	S	S	M	S
CO3	S	M	S	M	S	S	S	S	M	S
CO4	S	M	S	M	S	S	S	S	M	S
CO5	S	M	S	M	S	S	S	S	S	S

Semester – 2/ core course – 7 (CC)	FISCAL ECONOMICS	Course Code :PGEG
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> To make the students to understand about Private Goods and Public Goods. To learn the students the sources of Revenue our Economy. To enable the students to understand the causes and methods to control Public Expenditure. To analyse the Budget. To understand the concepts of Fiscal Policy. 	
Unit	Content	Hour
Unit -1	THEORY OF PUBLIC GOODS AND PUBLIC CHOICE Public Finance – Concepts -Theory of Private Goods and Merit Goods - Market Failure- Imperfection, Decreasing Costs, Externalities, Public Goods – Voting System	15
Unit –II	PUBLIC REVENUE AND TAXATION Sources - Tax, Non Tax Revenue - Theories of Taxation - Optimal Taxation- Concepts of Double Taxation -VAT-Indian Tax Structure and Trends – GST	15
Unit –III	PUBLIC EXPENDITURE Public Expenditure - Causes and Methods of Controls Public Expenditure - Wagner’s law of increasing State Activities; Wiseman - Peacock Hypothesis - Structure and Growth of Public Expenditure - causes- control of public expenditure.	15
Unit –IV	PUBLIC DEBT AND BUDGET Public Debt Sources; Classical view of Public Debt; Compensatory Aspects of Debt- Policy - Burden of Public Debt - Sources of Public Debt – Effects of Public Debt - Principles and methods of Debt Management and Redemption - Budget: Meaning - Importance-Features – Objectives – Procedure - Budgetary Policy	15
Unit –V	FISCAL POLICY AND FISCAL FEDERALISM Fiscal Policy- meaning - Objectives and Instruments - Central, State Financial Relations in India - principles of fiscal federalism - problems - Finance commission - Functions Recommendations of Recent Finance Commission.	15

Semester – 2/ core course – 8 (CC)	STATISTICAL METHODS FOR ECONOMICS ANALYSIS	Course Code : PGEH
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> • To learn measure of dispersions . • To learn the students to frame and test the hypothesis. • To understand the Regression analysis • To suggest suitable sampling methods • To find out the ways of testing of hypothesis 	
Unit	Content	Hour
Unit -1	MEASURES OF AVERAGES AND DISPERSIONS Measures of Averages, Definition, Characteristics of a good Measure of Average - Mean, Median and Mode - Definition, Merits and Demerits (Simple Problems). Measures of Dispersions - Definition, Characteristics of a good measure of dispersion - Standard Deviation - Definition, Merits and Demerits, Coefficient of Variation, (Simple Problems)	15
Unit –II	CORRELATIONANALYSIS Correlation Analysis- Definition, Types, Methods of Finding Correlation Co-efficient - Scatter Diagram, Karl Pearson, Spearman’s Rank Correlation Co-efficient, Concurrent Deviations Method -Properties of Correlation Co-efficient.(Only statement Without proof) (Simple Problem	15
Unit –III	REGRESSIONANALYSIS Regression Analysis –Definition, Types, Regression Equation X on Y and Regression Equation Y on X - Properties of Regression Co- Efficient- (Without proof) - Difference Between Correlation and Regression Analysis. (Simple Problems)	15
Unit –IV	SAMPLING METHODS Sampling- Definition, Uses of sampling. Random Sampling- Simple Random Sampling Stratified Random Sampling, Systematic Random Sampling - Definition, Merits and Demerits, Non-random sampling - Purposive, Quota and Judgement sampling. (Only Theory	15
Unit –V	TESTING OF HYPOTHESIS Sampling distribution of Means, Standard Error- Uses of Standard Error - Testing of Hypothesis - Test Procedure - Type I error, Types II error - One Tailed & Two Tailed Tests, - t - test- Testing Significance of Single Mean and Difference between Two Means, Chi square test-Testing the Independence of Two Attributes, (Simple Problems)	15

Semester – 2/ Elective Course – 2(EC)	ENVIRONMENTAL ECONOMICS	Course Code :PGEE22
Instruction Hours : 6	Credits : 4	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The Course aims <ul style="list-style-type: none"> To make the students to familiarize with Economics on Natural Resource management and Sustainable Development. To make the students to be aware of policy instruments for controlling pollution. To know the Environmental problems. To understand the management of Environmental value. To make the students to understand the Environmental Management 	
Unit	Content	Hour
Unit -1	NEXUS BETWEEN ECONOMICS & ENVIRONMENTS Nature, Scope and significance of Environment: Environment & Economy relations, Material balance principle - Externalities & Market inefficiency - Property Right & Externality - Non Convexities and Externalities - Pareto Optimal Provision of Public Goods - Common Property Resources	15
Unit –II	NATURAL RESOURCE MANAGEMENT Simon Kuznets Hypothesis; Sustainable Development - Concepts, Objectives - indicators - Principles and measures- Issues In bio-diversity	15
Unit –III	ENVIRONMENTAL PROBLEMS Global level Environmental Problems: Global Warming, Green House Effect, ACID rain - Ozone Depletion - Climatic Changes – Environmental Pollution :Air - Water- Noise: Causes-Effects- Control Measures; Solid Waste Pollution- sources- Methods of Solid Waste Management	15
Unit –IV	MEASUREMENT OF ENVIRONMENTAL VALUE Need for Environmental Valuation - User Values, Option Values and Non-User Values, Methods of Valuation - Direct and Indirect Methods - Stated Preference Methods - Revealed Preference Method - Contingent Valuation Methods - Hedonic Pricing Model	15

Semester – 3/ core course – 9 (CC)	RESEARCH METHODOLOGY	Course Code :PGEI
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To define research, explain and apply research techniques in Economics • To propose a research study and justify the theory as well as the methodological decisions, including Research Problem and Hypothesis • To learn the sample design and to develop the skills for sampling and sampling techniques used to collect survey data • To learn the Data Collection method and the Data Source based on the selected topic • To know the significance of Report writing and mechanics of thesis writing. 	
Unit	Content	Hour
Unit -1	TYPES OF RESEARCH Research -Meaning Definitions, Types of Research - Features- Facts - causality - Objectivity in Research	18
Unit –II	UNIT II: RESEARCH PROBLEM AND HYPEOTHESIS Choice of the Research Problem - Factors involved in the choice - Review of Literature - Characteristics of a Good Hypothesis.	18
Unit –III	SAMPLING TECHNIQUES AND RESEARCH DESIGN Census Method - Sampling Method - Methods of Sampling: Random sampling method - Judgement Method - Stratified, Systematic, Quota and Multistage sampling Method - Sampling and Non Sampling errors - Methods of reducing both Sampling size - Scaling techniques - Research design.	18
Unit –IV	DATA SOURCE Merits and Demerits - Methods of collecting Primary data - Schedule methods - Observation Methods - Interview method -Questionnaire Method- Qualities of a good Questionnaire - Secondary data - Merits and Demerits -Sources of Secondary data- Published and Unpublished	18
Unit –V	RESEARCH REPORT WRITING Meaning of analysis -Editing -Coding - Classification of Research - Statistical and Mathematical tools of Analysis -Research Report writing	18

Unit –VI	Self study Research process- Data Types Qualitative and Quantitative Research – Types of research Report	
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Text Book:

1. Bajbai,S.R. - Methods of social Survey and Research Kita Mahal,Kanpur.1976.
2. Kothari C.R -Research Methodology, Ne age Publications,2014.
3. Wilkinson and Bhandarkar - Methodology and techniques of Social research Himalaya Publishing House,Mumbai,1994.
4. P.Saravanavel - Research Methodology tab Mahal agencies,Allahabad,2007.

Reference Books:

1. Goode W.J and Hatt P.K - Methods in Social Research,MC Graw- Hill London,1965.
2. Bhatnaga P - Research Methods and Measurements in Behaviour and Social, New Delhi, Agra, Cole Publishing Academy.
3. Gupta, S.P - Statistical Methods , Sultan Chand & Co, NewDelhi,1992

Web- Resources:

1. <http://dare.nic.in>
2. <http://planningcommission.gov.in>
3. <http://ssi.gov.in>

Course outcomes

On completion of the course students should be able to

CO1:Understand the research and apply research techniques in Economics.

CO2:Understand a research study and justify the theory as well as the methodological decisions, including Research Problem and Hypothesis

CO3:know the sample design and to develop the skills for sampling and sampling techniques used to collect survey data

CO4:Collect the data based on the selected topic

CO5:know Report writing and thesis writing

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
CO1	S	S	S	M	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	M	S	S
CO3	S	S	M	S	S	S	S	S	M	S
CO4	S	S	S	S	S	S	S	M	M	S
CO5	S	S	S	M	S	S	S	S	S	S

Semester – 3/ core course – (CC)	INDUSTRIAL ECONOMICS	Course Code :PGEJ
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To describe the basic models of industrial organization • To learn the students to understand the important theories of industrial Economics • To learn the sources of Industrial finance • To learn the structure of Industrial labour • To have knowledge of the new industrial policy and issues in industries and project planning and appraisal 	
Unit	Content	Hour
Unit -1	PATTRENS AND STRUCTURE Rationale of Industrialization - Process and pattern of Industrialization - Industrial structure and change - Alternative patterns; Chenery-Hoffman, Simon Kuznet	18
Unit –II	THEORIES OF INDUSTRIAL LOCATION Theories of Industrial location - Weber, Sargent Florence, and Losch - Factors affecting location.- Factors determining location - Cost approach - Demand approach	18
Unit –III	INDUSTRIAL FINANCE Institutional Finance - Need- Sources - IDBI - IFCI - SFCs - SIDCO, Commercial Bank - Insurance company - LIC- Private LIC - AXIS Bank	18
Unit –IV	INDUSTRIAL LABOUR Structure of Industrial labour - Labour in organized and unorganized industries - Industrial Legislation, Wages and problems of Bonus - Absenteeism, Migration Turnover, and Attrition - Labour Market Reforms	18
Unit –V	PROJECT PLANNING AND APPRAISAL Process- Methods- Pay Back Period and CPM - Project Evaluation Review Techniques - Net present value - Internal Rate of Return	18
Unit –VI	Self study Industrial policy in India –role of public and private sector, recent trends in industrial growth	

Semester – 3/ core course – (CC)	International Economics	Course Code :PGEK
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To learn the important theories of international trade • To learn the ways to regulate international trade • To learn the Balance of Payments • To Know the functions of international financial institutions in the global economy. • To learn the students to understand the Indian EXIM Policy. 	
Unit	Content	Hour
Unit -1	THEORIES OF INTERNATIONAL TRADE The basic theory of International Trade- Opportunity Costs - Heckscher –Ohlin Theory of Trade -Stopler Samuelson Theorem - Rybezynski Theorem - Leontief Paradox.	18
Unit –II	TRADE GAINS AND THEORY OF INTERVENTIONS Trade - Gains from Trade and their Distribution -Concepts of Terms of Trade -uses and Limitations -Foreign Trade Multiplier -Meaning - types and Effects (Tariffs, Quotas and non- Tariff barriers).	18
Unit –III	BALANCE OF PAYMENT AND FOREIGN EXCHANGE MARKET Meaning and Components of Balance of Payment, Equilibrium and Disequilibrium in the Balance of Payments -Exchange rate- Merits and Demerits of Fixed and Flexible Exchange Rates	18
Unit –IV	INTERNATIONAL TRADE ORGANISATION International Trade and Financial Institutions -Role of IMF, IBRD, GATT, WTO, UNCTAD, Asian Development Bank - Euro Dollar Market.	18
Unit –V	TRADE POLICIES IN INDIA Trade Policies - Concepts - Objectives - Evolution -MNC - EPZ -SEZ - Recent trade Policy of India.	18
Unit -VI	Self study Future of crypto currency and cashless society.	

Semester – 3/ core course – (CC)	Monetary Economics	Course Code :PGEL
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To learn the classical and neo-classical theories in Monetary Economics • To Aware of the Keynes and Post Keynesian Theories in Monetary Economics • To Know the Monetarism Vs Keynesianism in Monetary Economics • To learn the importance of Money and Capital market and its working • To Know the importance of Monetary Policy and its working 	
Unit	Content	Hour
Unit -1	CLASSICAL AND NEO-CLASSICAL THEORIES Classical -Fisher’s approach; Neo- Classical - Cambridge- Marshall, Pigou - Robertson and Keynes Comparison - Critical Evaluation .	18
Unit –II	KEYNES AND POST KEYNESIAN THEORIES Keynesian Reformulation of Quantity Theory of money - Tobin’s portfolio analysis of Money- Milton Friedman’s Reformulated Quantity Theory of money -Patinkin’s Real Balance Effect	18
Unit –III	MONETARISM Vs KEYNESIANISM Monetarism Vs Keynesianism - Comparison - Determination of money supply -Policies of Inflation & Policy Implications - Gurley & Shaw Analysis	18
Unit –IV	MONEY AND CAPITAL MARKETS Structure of money Market and Capital Market in India - The role of Financial Intermediaries- Effects of financial Intermediaries - the cost and availability of finance -Non - Banking Financial Institutions in India - Small Financial Bank	18
Unit –V	BANKING AND MONETARY POLICY Commercial Banks - Functions - Credit Creation -RBI’s role in Economic policy Development operation in India - Limitations of Monetary Policy - Effects of Debt Management Policy.	18
Unit -VI	Self Study Recent Trends in the Banking System-Market Reforms	

Text Book:

1. Gupta R.D. - Keynes and post Keynesian Economics (Kalayani Publishers, New Delhi.2006.
2. K.P.M.Sundaram -Money,Banking and International Trade(Vikas, New Delhi.2009.
3. S.Sankaran - Monetary Economics, Margham Publications, Chennai, 2015.
4. S.B.Gupta - Monetary Economics, S.Chand & Co Publication, New Delhi 1994.

Reference Book:

1. M.L.Seth - Monetary Economics, Lakshmi Narain Agarwal,Agra. 2000.
2. M.C.Vaish - Money, Banking and International Trade (Wiley Eastern Ltd., New Delhi.
4. Basu S.K. - Recent Banking Development(Chand and Co.,New Delhi)
5. M.L.Jhingan - Vrinda Publication Pvt.Ltd- 7th Edition,2016.

Web- Resources:

1. <http://www.bulletin.rbi.org.in>
2. www.bankreport.rbi.org.in
3. <http://mospi.nic.in> .
4. <http://www.indiastat.com>

Course Outcomes

On completion of the course students should be able to

CO1:Understand the classical and neo-classical theories in Monetary Economics

CO2:Understand the Keynes and Post Keynesian Theories of Monetary Economics

CO3:Understand the Monetarism Vs Keynesianism in Monetary Economics

CO4:Understand the importance of Money and Capital market and its working

CO5:Understand the importance of Monetary Policy and its working

Mapping of Course outcomes with Programme outcomes/ Programmes Specific outcomes

CO / PO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
CO1	S	S	S	M	S	S	S	S	S	S
CO2	S	S	S	M	S	S	S	S	S	S
CO3	S	S	S	M	S	S	S	S	S	S
CO4	S	S	S	M	S	S	S	S	S	S
CO5	S	S	S	M	S	S	S	S	S	S

Semester – 3/ core course – (EC)	COMPUTER APPLICATIONS IN ECONOMICS	Course Code :PGEE3a
Instruction Hours : 6	Credits : 4	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • Make the students to use internet in higher study and Research work. • To Know the concepts of social networking sites 	
Unit	Content	Hour
Unit -1	INTRODUCTION TO COMPUTER Evolution, Generations and Classification of computers - Hardware and Software - C.P.U and its Functions - Input and Output devices - Application of computers in Economics and Business	18
Unit –II	WORLD WIDE WEB Internet Basics - Browsing internet - Using search engines - Opening E-mail ID. Sending and Checking E -mail - Downloading text from internet	18

Text Book:

1. Rajaraman.V- Fundamentals of computers, Prentice Hall of India, New Delhi. (1996)
2. Sinha - Computer Fundamentals PB, Publications, New Delhi. (1992)
- 3.K Danasekaran - Computer Applications in Economics Vrinta publications (2010)

Reference Book;

1. Rajaraman.V- Fundamentals of computers, Prentice Hall of India, New Delhi. (1996)
2. Sinha - Computer Fundamentals PB, Publications, New Delhi. (1992)
- 3.K Danasekaran - Computer Applications in Economics Vrinta publications (2010)

Web-Resources:

- 1.www.spss.com
- 2.www.ats.ucla.edu
- 3.www.utexas.edu
- 4.www.indiana.edu

Course Outcomes.

On completion of the course students should be able to
 CO1:Use internet in higher study and Research work
 CO2:Understand the concepts of social networking sites

Semester – 4/ core course – (CC)	Agricultural Economics	Course Code :PGEM
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To know the nature of Agricultural Economics. • To understand the concept of Cropping Pattern. • To understand the sources of Agricultural Finance. • To know the channels of Agricultural Marketing • To understand the promotional strategies in Agriculture 	
Unit	Content	Hour
Unit -1	NATURE OF AGRICULTURAL ECONOMICS Nature and Scope of Agricultural Economics -Features of Indian Agriculture - Inter relationship between Agriculture and industry-Significance of Agriculture in India - Inter sectoral Linkage - Agri and Agro based Industries.	18
Unit –II	CROPPING PATTERN Meaning - Factors - Productivity Trends in Area Production - Productivity and strategies -Crop Insurance - sea farming	18
Unit –III	AGRICULTURAL FINANCE Meaning -Needs - Types - Source - Role of Co-operatives, Commercial Bank - NABARD in rural Finance -Problems - Institutional - Non - Institutional Finance	18
Unit –IV	AGRICULTURAL MARKETING Marketed and marketable surplus - Marketing of Agro- based Industrial Produces - Agricultural marketing System -Need for marketing Research -Procedure for Conducting Marketing Research - Food Corporation of India -TNCSC- Agricultural Pricing Policy Marine Products Market	18
Unit –V	PROMOTIONAL STRATEGIES Organic- In-organic fertilizers- Compost manure - Bio-fertilizer - Recycling of Agricultural Products - Value Addition of Agricultural Commodities - Cold storage - Prospects of Agricultural Business in India -Marine Producers Cartels- MNCs in Fisheries Business	18
Unit –VI	Self study Agricultural Policy vision – Brief comment and assessment of the Agricultural policy- Farmer suicide in India.	

Semester – 4/ core course – (CC)	ECONOMICS OF DEVELOPMENT	Course Code :PGEN
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To learn the indicators of development. • To study about the theories of Economic Development • To learn the various models of Growth Strategies. • To learn the role of factors of Production in growth process. • To learn the rationale of Economic Planning. 	
Unit	Content	Hour
Unit -1	GROWTH AND DEVELOPMENT Definition- Growth Vs Development- Characteristics of Underdevelopment - Economic and Non-Economic Factors of Development - Obstacles to Development- Vicious Circle Theory.	18
Unit –II	CLASSICAL THEORIES Classical theories, Ricardo, Marx, Rostow, Schumpeter, Nurkse and Meir and Baldwin.	18
Unit –III	GROWTH STRATEGIES Theories of Under development -Surplus labour theory by Lewis, Big-Push, Rosentain Rodan - Balanced Vs Unbalanced growth - Hirschman - Minimum Critical Effort - Leibenstein.	18
Unit –IV	FACTORS OF PRODUCTION Factors in the Development Process - Land, Labour and Capital - Population Growth and Development Processes - Theory of Demographic Transition -Employment Problem- Economic uses of National Resources -Capital Formation - Factors Affecting Capital Formation -Capital Output Ratio in Developed and Underdeveloped Countries.	18
Unit –V	ECONOMIC PLANNING Rationale -Types - Objectives - Strategies - Models - Gandhian-Nehruvian, Rao, Mahalanobis - Achievements and Failure - Current Five year Plan- NITI Aayog .	18
Unit –VI	Self Study Sector aspects of Development and Macro Economics policy	

Semester – 4/ core course – (EC)	ECONOMICS OF INFRASTRUCTURE	Course Code :PGEE4
Instruction Hours : 6	Credits : 4	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To learn the role of infrastructure in Economic Development • To aware of various models of Transport • To Understand the various types of Communication • To Aware of renewable and non renewable sources of Energy • To Know the Importance of social Infrastructure 	
Unit	Content	Hour
Unit -1	INTRODUCTION Infrastructure and economic development – infrastructure as a public good; social and physical infrastructure; special characteristics of public utilities. The peak – load, off – load problem, dual principle controversy; economics of scale of joint supply; marginal cost pricing vs. other methods of pricing in public utilities; cross – subsidization – free prices, equity and efficiency.	18
Unit –II	TRANSPORTATION Transportation economics – the structure of transport costs and location of economic activities. Demand for transport. Models of freight and passenger demand. Model choice; cost functions in the transport sector. Pricing principle. Special problems of individual models of transport.	18
Unit –III	COMMUNICATION Communication – rate making in telephone utilities. Principles of decreasing costs in telephone industry. Characteristics of postal services. Criteria for fixation of postal rates. Measurement of standards of service in telephone and postal services.	18
Unit –IV	ENERGY ECONOMICS Energy economics – primacy of energy in the process of economic development. Factors determining energy demand. Effects of energy shortages. Energy conservation. Renewable and nonconventional sources of energy. Energy modeling. The search for an optimal energy policy in the Indian context.	18
Unit –V	SOCIAL INFRASTRUCTURE Social infrastructure – organization and financing of supply of social services .Private vs. public sector financing; recent debate about the fixation	18

Semester – 4/ core course – 5 (EC)	Health Economics	Course Code :PGEE5
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1 -Recalling K2 -Understanding K3 -Applying K4 - Analyzing K5 - Evaluating K6 - Creating	
Course Objective	The course aims <ul style="list-style-type: none"> • To know the importance of Health Economics. • To understand the process of development of health policy • To know the role of Planning in health care sector. • To know the role of Donors in health care sector • To be aware of the significance of public health and the related issues. 	
Unit	Content	Hour
Unit -1	INTRODUCTION Meaning -Definition -Objectives -Importance -Determinants of Health Status	18
Unit –II	HEALTH AND DEVELOPMENT Indicators of Health and Development -Ecological factors affecting Health Fertility - Morbidity - Mortality -Life expectancy - Urbanisation - Industrialisation - Impact on health and Human development	18
Unit –III	DIMENSIONS OF DEVELOPMENT Determinants of health -Poverty and malnutrition -Economic dimensions of health care -Health care programme -National programmes -The planning process -Importance of Health Education -The budgetary process.	18
Unit –IV	DONORS ON HEALTH CARE Allocation of Resources for health care -Donors spending -World Bank - NFPA -DFID –WHO	18
Unit –V	EVALUATION Monitoring -Evaluation and Operational Research -HMIS -BLS -NFHS - DLHS -NSS	18
Unit –VI	Self study Health Economics strategies and inter- sectoral action implementation of inter sectoral programme fro health.	

Text Book:

1. S.B.Verma, S.K.Jiloka,A.CPanthak - Rural Health Care and Housing
2. William jack - Principles of Health Economics for Development Countries 1999.
3. John M.Gowtterr and Renuga devi - Health Economics Deep & Deep Publications 2011

