

**ST. MARY'S COLLEGE (Autonomous)**

*(Re-accredited with 'A+' Grade by NAAC)*

**Thoothukudi-628001, Tamil Nadu**

**(Affiliated to Manomaniam Sundaranar University)**



## **Syllabus**

**M.A. Economics**

**School of Management & Economics**

*Outcome Based Curriculum*

**(W.e.f.2021)**

**Preamble:**

The subject Economics has been represented as one of the most versatile subject in the field of humanities and social science. Our Post Graduate program in Economics contains a core group of theory courses, a series of quantitative skills courses, and field specialization courses that involve the applications of economic theory and quantitative analysis to major areas of study within the discipline. The subject aims at extending the mental horizon of students to groom their personality and make them rational human being. It is our goal to help our students achieve a certain set of learning outcomes.

The main objective of this course to make the student's aware of the importance of economic development and growth of a country. This course enlightens the student on the quantitative and qualitative aspects and characteristics of the various economic developments.

**Vision:**

The department envisions achieving high standards of academic performance to provide quality education to students, equip students with knowledge and skills in their chosen stream and to provide opportunities for students to realize their full potential and thus shape them into future leaders to address the emerging global challenges and to deal with economic, social and business realities.

**Mission:**

To prepare students for acquiring applied knowledge of economics to enhance their employability and entrepreneurship.

**Programme Outcome**

PO. No	Upon completion of M.A Economics programme, the graduates will be able to
PO-1	acquire expertise knowledge in their respective disciplines and become professionals
PO-2	pursue research / higher learning programmes
PO-3	compete in the job market by applying the knowledge acquired in Arts, Science, Economics, Commerce and Management studies
PO-4	develop critical / logical thinking skills and managerial skills and become locally, nationally & globally competent
PO-5	apply their experiment and research skills to analyse and solve complex problems
PO-6	develop themselves as a holistic person assisting in the Nation building process
PO-7	be a lifelong learner and amenable to new ideas, actively seek out new ways of learning or understanding the world
PO-8	be an empowered and economically independent woman with efficient leadership qualities in an egalitarian society through liberative education

## PROGRAMME SPECIFIC OUTCOMES

PSO No	Upon completion of M. A Degree the graduates will be able to	PSO Mapped
1.	Understand the implications of the concepts of economics.	1
2.	Analyze economic behaviour in practice.	5
3.	understand the economic way of thinking.	7
4.	Analyze historical and current events from an economic perspective.	4
5.	writes clearly expressing the economic point of view.	1, 5
6.	alternative approaches to economic problems through exposure to course work in allied fields	1
7.	acquire minimum qualification for M.Phil. and Ph.D	8
8.	take up jobs at Junior college/Senior college level lectureship	2

**M.A.ECONOMICS**  
**Course Structure**  
**(w.e.f.2021)Semester-I**

Course	Course. Code	Course Title	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core I	21PECC11	Advanced Microeconomic Analysis-I	6	4	40	60	100
Core II	21PECC12	Advanced Macroeconomic Analysis-I	6	4	40	60	100
Core III	21PECC13	Statistics for Economists-I	6	4	40	60	100
Core IV	21PECC14	Labour Economics	6	4	40	60	100
Core V	21PECC15	Economics of Farm Business	6	4	40	60	100
MOOC (Compulsory)				+2 (Extra)			
		<b>Total</b>	<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>

**Semester-II**

Course	Course. Code	Course Title	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core V	21PECC21	Advanced Microeconomic Analysis–II	5	4	40	60	100
Core VI	21PECC22	Advanced Macroeconomic Analysis– II	5	4	40	60	100
Core VII	21PECC23	Statistics for Economists-II	5	4	40	60	100
Core VIII	21PECC24	Demography	5	4	40	60	100
CoreIX	21PECC25	International Business	5	4	40	60	100
Core Elective I	21PECE21	Fiscal Economics	5	4	40	60	100
		<b>Total</b>	<b>30</b>	<b>24+2</b>	<b>240</b>	<b>360</b>	<b>600</b>

### Semester-III

Course	Course. Code	Course Title	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core XI	21PECC31	History of Economic Thought	6	4	40	60	100
CoreXII	21PECC32	Indian Economy	6	4	40	60	100
Core XIII	21PECC33	Rural Development	5	4	40	60	100
Core XIV	21PECC34	Research Methodology	5	4	40	60	100
Core XV	21PECC35	Public Finance	4	4	40	60	100
Core Elective II	21PECE31	Human Resource Management	4	4	40	60	100
Self-Study Course /MOOC	21PECSS1	Women Entrepreneurship		+2 (Extra)			
		<b>Total</b>	<b>30</b>	<b>24+2</b>	<b>240</b>	<b>360</b>	<b>600</b>

### Semester-IV

Course	Course. Code	Course Title	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core-XVI	21PECC41	Monetary Economics	6	4	40	60	100
Core-XVII	21PECC42	Environmental Economics	6	4	40	60	100
Core-XVIII	21PECC43	Financial Institutions and Market	6	4	40	60	100
Core-XIX	21PECC44	Digital Economy	6	4	40	60	100
Project	21PECP41	Project	6	6	40	60	100
		<b>Total</b>	<b>30</b>	<b>22</b>	<b>200</b>	<b>300</b>	<b>500</b>

<b>Semester</b>	<b>Hours/Week</b>	<b>Credits</b>	<b>Extra Credits</b>	<b>Total Marks</b>
I	30	22	-	500
II	30	22	2	600
III	30	22	2	600
IV	30	24	-	500
<b>Total</b>	<b>120</b>	<b>90</b>	<b>4</b>	<b>2200</b>

<b>Courses</b>	<b>Number of Courses</b>	<b>Hours/week</b>	<b>Credits</b>	<b>Extra Credit</b>
Core	17	88	6 4	--
Core Elective	6	24	1 8	--
Project	1	8	8	--
Self-Study Course/MOOC	1 +1	--	-	4
Total		<b>120</b>	<b>27</b>	<b>4</b>

<b>Blueprint of the question paper</b>	<b>Section</b>	<b>Unit I</b>	<b>Unit II</b>	<b>Unit III</b>	<b>Unit IV</b>	<b>Unit V</b>
	Section A	2	2	2	2	2
	Section B Any FIVE	2	2	1	1	1
	Section C Either OR	2	2	2	2	2
	Section D Any THREE	1	1	1	1	1

<b>Semester-I</b>			
<b>Core –I                      ADVANCED MICROECONOMIC ANALYSIS-I</b>			
<b>Course Code:21PECC11</b>	<b>Hrs/ Week:6</b>	<b>Hrs/Semester:90</b>	<b>Credits:4</b>

**Objectives:**

- To understand the basic concepts of microeconomics.
- To focus on analyzing the manner in which markets resolve the problem posed by a scarcity of resources.
- To analyze the behavior of consumers in terms of the demand for products,
- To analyze the performance of firms under different market structures,

**Course Outcome:**

<b>CO.No</b>	<b>Upon Completion of this course students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO -1	identify and apply relevant terminology and concepts to economic issues and problems.	1	Ap
CO -2	Compare and contrast the market System of economics with other systems	3	Un
CO -3	usedemandandsupplymodelsintheanalysisofreal worldissues.	5	Ap
CO -4	usemarketstructuremodelstoexplainandtopredictbusinessfirmbehavior	6	Ap
CO -5	identifythebasicfeaturesofalternative representations of humanbehaviour ineconomics.	2	Un
CO -6	analysis of the economic behaviour of individuals, firms and markets.	1	Kn



Semester–I			
Core –I		ADVANCED MICROECONOMIC ANALYSIS-I	
CourseCode:21PECC11	Hrs/ Week:6	Hrs/Semester:90	Credits:4

**UNITI: Introduction and Basic Concepts**

**15 Hrs**

Basic Economic Problem - Choice and Scarcity - Micro and Macro Analysis - Inductive and Deductive methods of Analysis - Positive vs. Normative Economics - Static and Dynamic Analysis-Partial vs. General Equilibrium Analysis

**UNITII: Demand Analysis**

**20 Hrs**

Theories of Demand-Demand and Supply Equilibrium-Elasticity of Demand -Price, Cross and Income Elasticity of Demand- Measurement of Elasticity of Demand

**UNITIII: Hicksian Analysis and Recent Developments in Demand Analysis**

**15 Hrs**

Indifference Curve (Income and Substitution effects- Hicks Vs Slutsky) – Revealed Preference Theory –Revision of Demand theory by Hicks-Cobweb Theorem

**UNITIV: Theory of Production and Costs**

**20 Hrs**

Production Function - The Law of Variable Proportions - Returns to Scale – ISOquant - Least Cost Combination and Producer's Equilibrium - Cobb - Douglas and CES production functions-Traditional and Modern theories of Costs-Cost output relation.

**UNITV: Price and Output Determination**

**20 Hrs**

Marginal analysis-Short- run and Long-run equilibrium of firm and industry -Monopoly-Price discrimination-Monopoly control and regulation-Monopolistic Competition-General Approach and Chamberlin Approach-Selling Costs-Product Differentiation-Oligopoly– Cartels–Kinked demand curve– Price Leadership Models

**Text Book:**

Ahuja,H.L.*Advanced EconomicTheory*. NewDelhi: SultanChand andCo. 2006

**BooksforReference**

1. Koutsoyiannis.A. *ModernMicroeconomics*. London:MacmillanPress2<sup>nd</sup>edition2008
2. Sen.A. *Micro Economics Theory and Applications*. New Delhi: Oxford University Press,1999
3. Stigler.G.*TheoryofPrice*.New Delhi:Prentice Hallof India,4<sup>th</sup> edition1996
4. Varian.H.*MicroeconomicAnalysis*.NewYork:W.W.Norton,2000

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	3	3	3	2.5	2.5	2	<b>2.7</b>	3	2.5	2.5	2.5	3	2.5	2	2	<b>2.5</b>
<b>CO-2</b>	3	2.5	3	3	2.5	2.5	3	2	<b>2.7</b>	3	3	3	2.5	2.5	2.5	2	2	<b>2.6</b>
<b>CO-3</b>	3	2.5	3	3	3	2.5	3	2	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2	2	<b>2.6</b>
<b>CO-4</b>	3	2.5	3	3	3	2.5	3	2	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2	2	<b>2.6</b>
<b>CO-5</b>	3	2.5	3	3	2.5	2.5	3	2	<b>2.7</b>	3	3	3	2.5	2.5	3	2	2	<b>2.6</b>
<b>CO-6</b>	3	2.5	3	3	3	2.5	3	2	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2	2	<b>2.6</b>
<b>Average</b>	<b>3</b>	<b>2.5</b>	<b>3</b>	<b>3</b>	<b>2.8</b>	<b>2.5</b>	<b>2.9</b>	<b>2</b>		<b>3</b>	<b>2.9</b>	<b>2.9</b>	<b>2.5</b>	<b>2.6</b>	<b>2.6</b>	<b>2</b>	<b>2</b>	
PO Mean									<b>2.6</b>	PSO Mean								<b>2.6</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester–I			
Core –II ADVANCED MACROECONOMIC ANALYSIS-I			
CourseCode:21PECC12	Hrs/ Week:6	Hrs/Semester:90	Credits:4

**Objectives:**

- To identify the determinants of various macroeconomic aggregates
- To evaluate the determinants of international trade and financial flows.
- To provide students with abroad overview of the aggregate economy.
- To expose the theories of economic growth and theories of the business cycle.

**Course Outcome:**

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	Analysis of the establishment of the functional relationship Between the large aggregates.	2	Un
CO-2	understandthetheoreticalstructurethat is consideredessentialforthe propercomprehensionof the different issues and policies.	3	Un
CO-3	study of Macroeconomics and analysis of body of empirical economic knowledge.	1	Kn
CO-4	identify the determinantsof various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates.	6	Ap
CO-5	discuss the linkages between financial markets and the real economy, and how these linkages influence the impact of economic policies over differing time horizons	5	Kn
CO-6	critically evaluate the consequences of basic macroeconomic policy options under differing economic conditions within a business cycle.	4	Ev

Semester-I			
Core –II		ADVANCED MACROECONOMIC ANALYSIS-I	
CourseCode:21PECC12	Hrs/ Week:6	Hrs/Semester: 90	Credits:4

#### **UNIT-I: National Income and Accounts**

**15 Hrs**

Circular Flow of Income in two, three and four sector economy – Different forms of national income accounting - Social accounting - Input - Output accounting -Flow of funds accounting and Balance of payments accounting

#### **UNIT-II: Classical Model of Employment**

**15 Hrs**

Classical macroeconomics-Say's Law– Classical Model – Criticism

#### **UNIT-III: Consumption Function**

**20 Hrs**

Keynes' Psychological law of consumption-Implications of the law - short-run and long-run consumption function; Empirical evidence on consumption function-Income consumption relationship - Absolute income, relative income, life cycle and permanent income hypotheses

#### **UNIT-IV: Investment Function**

**20 Hrs**

Marginal efficiency of investment and level of investment-Marginal efficiency of capital and investment - Long run and short run factors - The accelerator and investment behavior –Influence of policy measures on investment

#### **UNIT-V:Neo-Classical and Keynesian Views on Interest**

**20 Hrs**

The IS-LM model; Extension of IS-LM model with government sector-Relative effectiveness of monetary and fiscal policies

#### **Text Book:**

Maria John Kennedy. *Macro Economic Theory*. New Delhi: PHI Learning, 2012.

#### **Books for Reference:**

1. Glahe Fred.R. *Macro Economics: Theory and Policy*, New York: Harcourt BraceJovanovichInc,2000.
2. Laidler.D.E.W.*Demand for Money Theory and Evidence*. New York:Dum-Don Valley,1999.
3. Romer. D.L.*Advanced Macro Economics*. New York: McGraw Hill Company Limited, 2<sup>nd</sup>edition 1996
4. Shapiro.E.*MacroEconomicAnalysis*.NewDelhi:GalgotiaPublications1998
5. Ackley.G.*Macro Economics: Theory and Policy*. New York: Macmillan Publication, 2<sup>nd</sup>edition 1996.

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	2.5	2.5	2.5	<b>2.8</b>
<b>CO-2</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-3</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2.5	2.5	<b>2.7</b>
<b>CO-4</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-5</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	3	2.5	2.5	<b>2.8</b>
<b>CO-6</b>	3	3	3	3	3	3	2.5	2.5	<b>2.9</b>	3	3	3	3	3	3	2.5	2.5	<b>2.9</b>
<b>Average</b>	<b>3</b>	<b>2.6</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2.6</b>	<b>2.5</b>	<b>2.5</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.5</b>	<b>2.5</b>	
PO Mean									<b>2.8</b>	PSO Mean								<b>2.8</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester-I			
Core –III		STATISTICS FOR ECONOMISTS-I	
CourseCode:21PECC13	Hrs/Week:6	Hrs/Semester:90	Credits:4

**Objectives:**

- To introduce statistical methods and provide an insight into their uses in economics.
- To demonstrate application of a range of statistical techniques to economic problems.
- To understand that they will need to make informed decisions using data.
- To understand of the limitations of statistical inference and of the ethics of data analysis and statistics.

**Course Outcome:**

CO. No	Upon Completion of this course, students will be able to	PSO Addressed	CL
CO-1	increase the skills in describing, analysing and interpreting statistical data	3	Le
CO-2	make basic statistical calculations and critically evaluate the basis for these calculations;	1	Kn
CO-3	Use graphical and numerical methods to calculate and illustrate descriptive statistics	5	Ap
CO-4	Identify the appropriate regression model to apply to an economics data set	5	Ap
CO-5	manipulate the probability models that are most widely used in economics, and apply them correctly and carry out the appropriate statistical analysis	6	An
CO-6	Use the basic concepts of probability and Bayes Theorem	2	Ap

Semester-I			
Core –III STATISTICS FOR ECONOMISTS-I			
CourseCode:21PECC13	Hrs/Week:6	Hrs/Semester:90	Credits:4

#### **UNIT-I: Measures of Averages and Dispersion**

**15 Hrs**

Measures of central tendency – Mean, Median, Mode Measures of Dispersion – M.D., Q.D. and S.D and relative measures of dispersion application of averages and dispersion

#### **UNIT-II: Correlation and Regression**

**20 Hrs**

Meaning, assumptions and limitations of simple correlation and regression analysis – Pearson's product moment and Spearman's rank correlation co-efficient – Concept of least squares and the regression lines

#### **UNIT-III: Analysis of Time Series**

**15 Hrs**

Uses–Components–Measurement–Methods of Moving Average–Semi Average– Method of least squares–Seasonal Variations and its Measurements

#### **UNIT-IV: Probability**

**20 Hrs**

Various types of events – Classical and empirical definitions of probability, Laws of addition and multiplication, conditional probability and concept of interdependence, Baye's theorem and its applications-Probability Distribution-Binomial, Poisson and Normal distribution

#### **UNIT-V: Theory of Estimation and Testing of Hypothesis**

**20 Hrs**

Properties of a good estimator, formulation of statistical hypotheses – Null and alternative, Goodness of fit, confidence intervals and level of significance -Type I and Type II errors- Hypothesis testing Z, t,  $\chi^2$  (chi-square) and F-test

#### **TextBook:**

Gupta, S.P., *Statistical Methods*. New Delhi: S.Chand & Sons Ltd, 1<sup>st</sup> edition 2001

#### **Books for Reference**

1. Gupta, S.C., *Fundamentals of Applied Statistics*. New Delhi: S.Chand & Sons Ltd, 1993
2. Speigal, M.R., *Theory and Problems and Statistics*. London: McGraw Hill Book Co., 1992
3. R.S.N. Pillai & Bagavathi. *Statistics*. New Delhi: S.Chand & Company Ltd, 2006

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	2.5	3	3	2.5	2.5	2	<b>2.6</b>	3	3	2.5	3	3	2.5	2	2.5	<b>2.7</b>
<b>CO-2</b>	3	3	2.5	3	3	2.5	2.5	2	<b>2.7</b>	3	3	2.5	3	3	3	2	2.5	<b>2.8</b>
<b>CO-3</b>	3	3	2.5	3	3	2.5	2.5	2	<b>2.7</b>	3	3	2.5	3	3	2.5	2	2.5	<b>2.7</b>
<b>CO-4</b>	3	3	3	3	3	2.5	3	2	<b>2.8</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-5</b>	3	3	2.5	3	3	2.5	3	2	<b>2.8</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-6</b>	3	3	2.5	3	3	2.5	3	2	<b>2.8</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>Average</b>	<b>3</b>	<b>2.9</b>	<b>2.6</b>	<b>3</b>	<b>3</b>	<b>2.5</b>	<b>2.8</b>	<b>2</b>		<b>3</b>	<b>3</b>	<b>2.8</b>	<b>3</b>	<b>2.8</b>	<b>2.8</b>	<b>2.3</b>	<b>2.5</b>	
PO Mean									<b>2.7</b>	PSO Mean								<b>2.8</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		



Semester-I			
Core –IV		LABOUR ECONOMICS	
CourseCode:21PECC14	Hrs/Week:6	Hrs/Semester:90	Credits:4

#### Objectives:

- Acquaint students with the contribution of labour in the process of capitalist development.
- Exposing students to diverse labour relations in urban and rural settings under capitalism.
- To enable students to understand the crucial role of women in the process of production.
- To understand the relationship between current phase of globalisation and labour while incorporating the role of Indian state

#### Course Outcome

CO. No	Upon Completion of this course, students will Be able to	PSO Addressed	CL
CO-1	understand how labour markets can be analysed from different economic perspectives	3	Un
CO-2	obtain an understanding of how the experimental method of inquiry can be applied	1	Un
CO-3	create, integrate and analyse labour data in preparation for bargaining	2	An
CO-4	describe types and modules of discrimination within the workplace	6	Ev
CO-5	differentiate the collective bargaining environment between the private and public sector of the economy	5	Ap
CO-6	use the basic concepts of labour economics with the practical laws	1	Ap

Semester-I			
Core –IV		LABOUR ECONOMICS	
CourseCode:21PECC14	Hrs/Week:6	Hrs/Semester:90	Credits:4

#### **UNIT-I: Labour Markets**

**20 Hrs**

Nature and characteristics of labour markets in developing countries like India; Paradigms of labour market analysis — Classical, neo-classical and dualistic economy; Demand for labour in relation to size and pattern of investment: Supply of labour in relation to growth of labour force

#### **UNIT-II: Employment**

**15 Hrs**

Employment and development relationship — Poverty and unemployment in developing countries; Unemployment — Concept, Types, and Measurement, particularly in India; Impact of rationalization, technological change and modernization on employment in organized private industry, Public sector and employment in agricultural sector

#### **UNIT-III: Wage Determination**

**20 Hrs**

Classical, neo-classical and bargaining theories of wage determination; Concepts of minimum wage, living wage and fair wage in theory and practice; Discrimination in labour markets; Wage determination in various sectors — rural, urban, organized, unorganized and informal sectors.

#### **UNIT-IV: Industrial Relations**

**15 Hrs**

Theories of labour movement Growth, pattern and structure of labour unions in India, Achievements of labour unions; Causes of industrial disputes and their settlement and prevention mechanism; Role of tripartism; Current trends in collective bargaining; Role of judicial activism.

#### **UNIT-V: State and Labour**

**20 Hrs**

State and social security of labour — Concept of social security and its evolution; Social assistance and social insurance; Review and appraisal of states policies with respect to social security and labour welfare in India; Special problems of labour: Child labour, female labour Discrimination and gender bias in treatment of labour

#### **Text Book**

Mukund Mahajan. *Industrial and Labour Economics*. New Delhi: SD Geet, Nirali Prakashan publishers, 2<sup>nd</sup> edition 2000

#### **Reference Books**

1. Datt, G. *Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India*. New Delhi: Sage Publications, 2006
2. Hajela, P.D. *Labour Restructuring in India: A Critique of the New Economic Policies*. New Delhi: Commonwealth Publishers, 1998
3. Jhabvala, R. and R.K. Subramanian. *The Unorganized Sector: Work Security and Social Protection*. New Delhi: Sage Publications, 2000

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2	2	3	2	3	2	2	<b>2.3</b>	3	2	3	2	2	2	2	2	<b>2.2</b>
<b>CO-2</b>	3	2	2	2	3	2	3	3	<b>2.5</b>	3	3	3	3	2	2	2	2	<b>2.5</b>
<b>CO-3</b>	2	3	2	3	2	2	2	1	<b>2.1</b>	3	2	2	3	2	2	2	3	<b>2.3</b>
<b>CO-4</b>	2	3	3	2	2	2	3	2	<b>2.3</b>	3	2	2	2	3	2	2	2	<b>2</b>
<b>CO-5</b>	3	3	2	3	2	3	2	2	<b>2.4</b>	3	3	2	3	2	2	3	2	<b>2.5</b>
<b>CO-6</b>	3	2	3	2	3	2	3	2	<b>2.5</b>	3	3	2	2	2	3	2	2	<b>2.3</b>
<b>Average</b>	<b>2.6</b>	<b>2.5</b>	<b>2.3</b>	<b>2.5</b>	<b>2.3</b>	<b>2.3</b>	<b>2.5</b>	<b>2</b>		<b>3</b>	<b>2.5</b>	<b>2.3</b>	<b>2.5</b>	<b>2.3</b>	<b>2</b>	<b>1.8</b>	<b>2.1</b>	
PO Mean									<b>2.3</b>	PSO Mean								<b>2.3</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester-I</b>			
<b>Core –V ECONOMICS OF FARM BUSINESS</b>			
<b>CourseCode:21PECC12</b>	<b>Hrs/Week:6</b>	<b>Hrs/Semester:90</b>	<b>Credits:4</b>

**Objectives:**

- To explain the fundamental aspects of managing a farm business
- Interpret and analyze the financial and economic performance of a farm business
- Apply appropriate economic and financial techniques to analyze new farm investments
- Select and apply appropriate methods for analyzing risk and uncertainty involved in farm business decisions

**Course Outcome:**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO-1	apply economic principles to understand the conduct and performance of agricultural sector.	1	Ap
CO-2	understand the causes of green revolution.	1	Un
CO-3	understand role and impact of institutional support to agricultural sector.	3	Kn
CO-4	be able to demonstrate an awareness of various agricultural market structures.	6	Ap
CO-5	understand the role of pricing policy in agricultural sector.	5	Ev
CO-6	develop critical thinking and problem solving skills applicable to farm business and management practices	2	Kn

Semester-I			
Core –V ECONOMICSO F FARM BUSINESS			
CourseCode:21PECC12	Hrs/Week:6	Hrs/Semester:90	Credits:4

#### **UNIT-I:Principles of Farm Management**

**20 Hrs**

Meaning and Scope of Farm Management–Importance of the Subject of Farm Management In India. Principals Involved In Farm Management Decisions: Principle of Variable Proportion - Cost Principle - Principles of Factor Substitution - Law of Equi marginal Return –Opportunity Cost Principle –Principle of Combining Enterprises

#### **UNIT-II: Farm Resources**

**15 Hrs**

Green Revolution - Agriculture Inputs: Fertilizers and Plant Protection, Irrigation and Farm Mechanization-Concept of Agricultural Laborer–Growth, Causes of Growth–Conditions and Problems of Agricultural Laborers and Measures Taken.

#### **UNIT-III: Capital and Credit**

**15 Hrs**

Role of Capital in Agriculture - Sources of Capital - Need for Agricultural Credit - ClassificationofAgriculturalCredit-SourceofAgriculturalCredit:Non-institutionalandInstitutional–Crop Insurance –Capital Formation In Agriculture Sector.

#### **UNIT-IV: Marketing**

**20 Hrs**

FunctionsofMarketing-CharacteristicsofAgriculturalProduce–DefectingInMarketing of Agricultural Produce In India – Measures Taken By Government – Regulated Markets Co-Operative Marketing – Marketed and Marketable Surplus, Marketing Costs and Margin.

#### **UNIT-V:Price Policy and Public Distribution**

**20 Hrs**

Need For and Objectives of Agricultural Price Policy - Instruments of Agricultural Price Policy in India: Support, Procurement And Issue Prices - Public Distribution – Buffer Stock – AgriculturalTradeandBalanceofPaymentWithSpecialReferenceToAgriculturalCommodities.

#### **Text Book:**

S.S.JohlandKapur.*FundamentalsofFarmBusinessManagement*-  
NewDelhi:KalyaniPublishers,2<sup>nd</sup>edition 2006

#### **REFERENCES:**

1. A.N.SharmaandV.K.Sharma.*ElementsofFarmManagement*.NewDelhi:Prentice-HallofIndiaPvt. Ltd, 3<sup>rd</sup>edition 2000.
2. SadhuandSingh.*FundamentalsofAgricultureEconomics*.Bombay:HimalayaPublishingHouse,1999
3. Earl.O.Heady. *Economics of Agricultural Production & resources*.New Delhi:PrenticeHall, 2008
4. Rudder DattandK PMSundaram .*IndianEconomy*.NewDelhi:S.Chand&CompanyLtd,3<sup>rd</sup>edition 2011

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	2.5	3	3	2.5	2.5	2	<b>2.6</b>	3	3	2.5	3	3	2.5	2	2.5	<b>2.7</b>
<b>CO-2</b>	3	3	2.5	3	3	2.5	2.5	2	<b>2.7</b>	3	3	2.5	3	3	3	2	2.5	<b>2.8</b>
<b>CO-3</b>	3	3	2.5	3	3	2.5	2.5	2	<b>2.7</b>	3	3	2.5	3	3	2.5	2	2.5	<b>2.7</b>
<b>CO-4</b>	3	3	3	3	3	2.5	3	2	<b>2.8</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-5</b>	3	3	2.5	3	3	2.5	3	2	<b>2.8</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-6</b>	3	3	2.5	3	3	2.5	3	2	<b>2.8</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>Average</b>	<b>3</b>	<b>2.9</b>	<b>2.6</b>	<b>3</b>	<b>3</b>	<b>2.5</b>	<b>2.8</b>	<b>2</b>		<b>3</b>	<b>3</b>	<b>2.8</b>	<b>3</b>	<b>2.8</b>	<b>2.8</b>	<b>2.3</b>	<b>2.5</b>	
PO Mean									<b>2.7</b>	PSO Mean								<b>2.8</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester–II</b>			
<b>Core-VI                      ADVANCED MICROECONOMIC ANALYSIS-II</b>			
<b>CourseCode:21PECC21</b>	<b>Hrs/Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**Objectives:**

- To provide non-specialists economics student with a good introduction to the fundamental principles of microeconomics.
- To familiarize students to use the concepts to which they are introduced to facilitate analysis of the functioning of the micro economy.
- To analyse how individual decision-makers, both consumers and producers, behave in a variety of economic environments.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO Addressed</b>	<b>CL</b>
CO-1	Identify and apply relevant terminology and concepts to economic issues and problems.	2	Ap
CO-2	compare and contrast the market system of economics with other systems.	6	Un
CO-3	use demand and supply models in the analysis of real-world issues.	1	Kn
CO-4	use market structure models to explain and to predict business firm behaviour	3	Ap
CO-5	use the theory of consumer choice to explain and to predict consumer behaviour.	5	Ap
CO-6	students will be able to identify the basic features of alternative representations of human behaviour in economics.	1	An

Semester-II			
<b>Core VI      ADVANCED MICROECONOMIC ANALYSIS-II</b>			
<b>CourseCode:21PECC21</b>	<b>Hrs/Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**UNIT-I: Alternative Theories of the Firm**

**15 Hrs**

Baumol's sales revenue maximization model; Williamson's model of managerial discretion Marris model of managerial enterprise; Full cost pricing - Bain's limit pricing theory and Sylo's Labini model of limit pricing-Behaviouristic model of Cyert and March

**UNIT-II: Theories of Distribution**

**15 Hrs**

Marginal Productivity Theory; Euler's product exhaustion theorem-Theories of distribution: Ricardian, Marxian, Kalecki and Kaldor's theories of distribution

**UNIT-III: Welfare Economics**

**15 Hrs**

Nature-Pigouvian Welfare Economics-Pareto optimality condition-Kaldor-Hicks compensation criteria - Scitovsky Paradox - Social welfare function, Bergson and Samuelson -Arrow's theory of social choice

**UNIT-IV: Theory of Games**

**15Hrs**

The Zero-Sum, Two-Person Game-No constant - sum Games - Maximin and Minimax strategies-Equilibrium points (Saddle)

**UNIT-V: Economics of Risk and Uncertainty**

**15Hrs**

Individual Behaviour towards risk, expected utility and certainty-Risk and Risk aversion Competitive firms under uncertainty-Factor demand under - price uncertainty-Economics of Information - Search for New Market Models.

**Text Book:**

Kennedy, Maria John M. *Advanced MicroEconomic Theory*. Bombay: Himalayas Publishing House, 2<sup>nd</sup> Edition 1999

**Books for Reference:**

1. Da Costa. *Prices and Distribution*. New Delhi: Tata McGraw Hill. G.C. Production, 1980
2. Hirshleifer, J and A. Glazer. *Price Theory and Applications*. New Delhi: Prentice Hall of India, 1997
3. Stigler. G. *Theory of Price*. New Delhi: Prentice Hall of India. 4<sup>th</sup> Edition 2012.



	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	2.5	2.5	2.5	<b>2.8</b>
<b>CO-2</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-3</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2.5	2.5	<b>2.7</b>
<b>CO-4</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-5</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	3	2.5	2.5	<b>2.8</b>
<b>CO-6</b>	3	3	3	3	3	3	2.5	2.5	<b>2.9</b>	3	3	3	3	3	3	2.5	2.5	<b>2.9</b>
<b>Average</b>	<b>3</b>	<b>2.6</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2.6</b>	<b>2.5</b>	<b>2.5</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.5</b>	<b>2.5</b>	
PO Mean									<b>2.8</b>	PSO Mean								<b>2.8</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester–II</b>			
<b>Core -VII ADVANCED MACRO ECONOMIC ANALYSIS-II</b>			
<b>CourseCode:21PECC22</b>	<b>Hrs/Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**Objectives:**

- To learn the fundamentals of economics and they can apply these concepts to their lives and to the world in which they live
- To identify the determinants of various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates.
- To understand the prevailing economic and business policy in totality and its impact on the energy sector.
- To apply economic concepts to complex business realities as well as support them to forecast in the energy business.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO-1	analyse of the establishment of the functional relationship between the large aggregates.	4	An
CO-2	Understand the macroeconomic theoretical structure that is considered essential for the proper comprehension of the different issues and policies.	3	Un
CO-3	study of Macroeconomics and analysis of body of empirical economic knowledge.	2	Kn
CO-4	understand the systemic facts and latest theoretical developments for empirical analysis.	1	Un
CO-5	students will be able to discuss the linkages between financial markets and the real economy, and how these linkages influence the impact of economic policies over differing time horizons.	6	Ap
CO-6	students will be able to critically evaluate the consequences of basic macroeconomic policy options under differing economic conditions within a business cycle.	2	Ev

Semester–II			
Core- VII ADVANCED MACROECONOMIC ANALYSIS-II			
CourseCode:21PECC22	Hrs/Week:5	Hrs/Semester:75	Credits:4

**UNIT-I: Demand for Money and Supply of Money**

**15Hrs**

Demand for Money: Classical, Keynesian and Post-Keynesian; Patinkin's-Real Balance Effect; Approaches of Baumol, Tobin and Friedman-Meaning of Money supply–Money Multiplier– Determinants of Money supply

**UNIT-II: Theories of Inflation**

**15 Hrs**

Classical, Keynesian and Monetarist approaches to inflation; Structuralist theory of inflation; Philips curve analysis-Short run and Long run Philips curve -Tobin's modified Philips curve; Policies to control inflation

**UNIT-III: Business Cycles**

**15 Hrs**

Theories of Schumpeter, Kaldor, Samuelson and Hicks, Control of business cycles-Relative efficacy of monetary and fiscal policies

**UNIT-IV: Recent Developments in Macroeconomics**

**15 Hrs**

MonetarismVsKeynesianism–SuppliesideEconomics–NewClassicalMacroEconomics–RationalExpectation

**UNIT-V: Macro Economic Policy**

**15 Hrs**

Monetary policy – Fiscal policy – Incomes policy – Objectives – Instruments and Applications to Developing Economy

**Text Book:**

MariaJohn Kennedy. *Macro EconomicTheory*.New Delhi: PHIL2<sup>nd</sup>edition2012

**ReferenceBooks:**

1. Glahe, Fred, R *Macroeconomics Theory and Policy*.New York : Harcourt BraceJovanovich, Inc,1973
2. Laidler, D.E.W.*Demand for Money: Theory and Evidence*.New York: Dum-Don Valley,1977
3. Romer,D.L.*AdvancedMacroeconomics*.NewYork:McGrawHillCompanyLtd.,1996
4. Ackley, G. *Macroeconomics: Theory and Policy*.New York : Macmillan PublicationsPvt.Ltd, 1978
5. Branson, W.A. *Macroeconomic Theory and Policy*.New York : Harper and Row,3<sup>rd</sup>edition 1989

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	2.5	2.5	2.5	<b>2.8</b>
<b>CO-2</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-3</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2.5	2.5	<b>2.7</b>
<b>CO-4</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	2.5	3	2.5	2.5	<b>2.8</b>
<b>CO-5</b>	3	2.5	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	3	2.5	2.5	<b>2.8</b>
<b>CO-6</b>	3	3	3	3	3	3	2.5	2.5	<b>2.9</b>	3	3	3	3	3	3	2.5	2.5	<b>2.9</b>
<b>Average</b>	<b>3</b>	<b>2.6</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2.6</b>	<b>2.5</b>	<b>2.5</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.5</b>	<b>2.5</b>	
PO Mean									<b>2.8</b>	PSO Mean								<b>2.8</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester–II			
Core-VIII STATISTICS FOR ECONOMISTS-II			
Course Code: 21PECC23	Hrs/Week: 5	Hrs/Semester: 75	Credits: 4

**Objectives:**

- To introduce statistical methods and provide an insight into their uses in economics
- To develop the skills required to work effectively and inclusively in groups, as in a real work environment.
- To write effectively and communicate their ideas regarding Descriptive & Inferential statistics with clarity.
- To understand and know how to use statistics in their research work.

**Course Outcome:**

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	increase the skills in describing, analysing and interpreting statistical data	1	Un
CO-2	make basic statistical calculations and critically evaluate the basis for these calculations;	4	Ev
CO-3	use graphical and numerical methods to calculate and illustrate descriptive statistics	7	Kn
CO-4	Identify the statistical concepts in questions about economic models	1	Ap
CO-5	identify the appropriate regression model to apply to an economics dataset	6	Ap
CO-6	manipulate the probability models that are most widely used in economics, and apply them correctly and carry out the appropriate statistical analysis	5	Kn

Semester-II			
Core –VIII		STATISTICS FOR ECONOMISTS-II	
CourseCode:21PECC23	Hrs/Week:5	Hrs/Semester:75	Credits:4

#### UNIT-I:Industrial Statistics

15 Hrs

Process and product control-general theory of control charts-different types of control charts for variables and attributes-Concept of Reliability-failure rate and reliability functions-reliability of series and Parallel systems and other simple configurations-renewal density and functions.

#### UNIT-II: Optimization Techniques

15 Hrs

Different types of models in Operations Research-their construction and general methods of solution-simulation and Monte-Carlo methods formulation of Linear Programming problem – Simple LP model and its graphical solution, the simple procedure, the two phase method and the M technique with artificial variables.

#### UNIT-III: Quantitative Economics

15 Hrs

Determination of trend – Seasonal and Cyclical components – Box-Jenkins method –Tests for stationary series – ARIMA models and determination of orders of autoregressive and moving average components– forecasting.

#### UNIT-IV: Index Number

15 Hrs

Commonly used Index number– Laspeyre’s, Paasche’s and Fisher’s Ideal Index numbers – Cham-base Index number, Uses and Limitations of Index numbers, Index number of Wholesale prices- Consumer price – Agricultural production and Industrial production- test for index numbers– Proportionality, Time-reversal and circular.

#### UNIT-V: Linear Model

15 Hrs

Ordinary least square and generalised least squares methods of estimation – problem of multi-collinearity-consequences and solutions of multi-collinearity, consequences and solutions of multi-collinearity – auto correlation and its consequences – Heteroscedasticity of disturbances and its testing.

#### TextBook:

Gupta, S.P. *Statistical Methods*. New Delhi: S. Chand & Sons Ltd, 2<sup>nd</sup> edition 2001

#### Books for Reference

1. Gupta, S.C. *Fundamentals of Applied Statistics*. New Delhi: S. Chand & Sons Ltd, 1993
2. Speigal, M.R. *Theory and Problems of Statistics*. London: McGraw Hill Book Co. 1992
3. R.S.N. Pillai & Bagavathi. *Statistics*. New Delhi: S. Chand & Company Ltd, 2<sup>nd</sup> edition, 2000

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	2.5	3	3	2.5	2.5	2.5	<b>2.7</b>	3	2.5	2.5	3	3	3	2.5	2.5	<b>2.8</b>
<b>CO-2</b>	3	3	2.5	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	2.5	2.5	3	3	2.5	2.5	<b>2.8</b>
<b>CO-3</b>	3	2.5	3	2.5	3	2.5	2.5	2.5	<b>2.7</b>	3	2.5	2.5	3	3	2.5	2.5	2.5	<b>2.7</b>
<b>CO-4</b>	3	3	3	3	3	2.5	2.5	2.5	<b>2.8</b>	3	3	3	2.5	3	3	2.5	2.5	<b>2.8</b>
<b>CO-5</b>	3	3	3	3	3	2.5	2.5	2.5	<b>2.8</b>	2.5	3	3	2.5	3	3	2.5	2.5	<b>2.8</b>
<b>CO-6</b>	3	3	3	3	3	2.5	3	2.5	<b>2.9</b>	3	3	3	3	2.5	3	2.5	2.5	<b>2.8</b>
<b>Average</b>	<b>3</b>	<b>2.8</b>	<b>2.8</b>	<b>2.9</b>	<b>3</b>	<b>2.5</b>	<b>2.6</b>	<b>2.5</b>		<b>2.9</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.9</b>	<b>2.9</b>	<b>2.5</b>	<b>2.5</b>	
PO Mean									<b>2.8</b>	PSO Mean								<b>2.8</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester-II</b>			
<b>Core- IX</b>		<b>DEMOGRAPHY</b>	
<b>CourseCode:21PECC24</b>	<b>Hrs/Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**Objectives:**

- To enable the student to make the best use of relevant demographic statistics in development analysis
- To provide students with a background for further delving into the subject.
- To help students get a better understanding of the current demographic profile of India.
- To enable the students with different sources of population data in India.
- To familiarize with different techniques of data analysis.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO-1	compare the advantages and disadvantages of the different sources of demographic data	1	Un
CO-2	present appropriate techniques to ensure comparability of the measures across population.	2	Kn
CO-3	describe the basic demographic indicators and elaborate on their computation and interpretation	3	Ap
CO-4	discuss the key assumptions underlying techniques and tools.	4	Kn
CO-5	describe the relations and calculate indicators in a stationary population.	6	Kn
CO-6	recognize and analyse typical demographic patterns arising from the data.	7	Un



Semester-II			
Core -IX DEMOGRAPHY			
CourseCode:21PECC24	Hrs/Week:5	Hrs/Semester:75	Credits:4

#### UNIT-I: Introduction

15 Hrs

Meaning and Scope of Demography-Components of Population Growth and their Interdependence - Measures of Population Change - Growth, Structure and Distribution-Sources of Population Data

#### UNIT-II: Historical and Regional Trends

15 Hrs

Population Trends in the Modern Era - Trends in Population (from 1965 onwards) –Population Explosion as a recent Phenomenon in the Perspective of Human History- Estimates of Sizes and Rate of Growth of Population in the Recent Years - Shifting Proportions of Human Population and Density in Different Regions.

#### UNIT-III: Sex and Age Structure

15 Hrs

Patterns of Sex and Age Structure in More Developed and Less Developed Countries- Determinants of Sex and Age Structure - Age Structure - Economic and Social Implications of Sex and Age Structure-Demographic Dividend.

#### UNIT-IV: Techniques of Demographic Analysis

15 Hrs

Crude Birth and Death Rates, Age Specific Birth and Death Rates- Standardized Birth and Death Rates-Study of Fertility: Total Fertility Rate, Gross Reproduction Rate, and Net Reproduction Rate-Study of Marital Status-Life Table-Reproductive and Child Health in India-Temporal and Spatial Variations in Sex Ratios.

#### UNIT-V: Population Projections and Population Policies

15 Hrs

Techniques of Population Projection-Concept of Stationary, Stable and Quasi-Stationary Population-Ageing of Population-Changes in Family Structure and Old Age Security- Definition and History of Policies affecting fertility in Developing and Less Developed Countries

#### Text Book:

Agarwal U.D. *Population Projections and Their Accuracy*-New Delhi: J.P. Publishers, 2000

#### Books for Reference:

1. Bhende A and Kanitkar T. *Principles of Population Studies*. Mumbai: Himalaya Pub., House, 1989
2. Bogue D.J. *Principles of Demography*. New York : John Wiley 3<sup>rd</sup> edition 1999
3. Hans Raj, *Fundamentals of Demography*. Delhi: Surjeet Publications, 2<sup>nd</sup> edition 2000.

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2	2	2	3	3	3	3	<b>2.6</b>	3	2	2	3	2	3	2	3	<b>2.5</b>
<b>CO-2</b>	3	2	2	2	2	3	2	3	<b>2.3</b>	3	2	2	3	2	3	2	3	<b>2.5</b>
<b>CO-3</b>	3	3	2	2	3	3	2	3	<b>2.6</b>	3	3	2	2	3	3	3	3	<b>2.7</b>
<b>CO-4</b>	2	2	3	2	2	2	2	2	<b>2.1</b>	2	2	2	2	2	3	3	3	<b>2.3</b>
<b>CO-5</b>	3	2	2	2	3	3	2	2	<b>2.3</b>	3	2	2	2	3	3	3	3	<b>2.6</b>
<b>CO-6</b>	3	2	3	2	2	2	3	2	<b>2.3</b>	3	2	3	2	2	2	2	2	<b>2.2</b>
<b>Average</b>	<b>2.8</b>	<b>2.1</b>	<b>2.3</b>	<b>2</b>	<b>2.5</b>	<b>2.6</b>	<b>2.3</b>	<b>2.5</b>		<b>2.8</b>	<b>2.1</b>	<b>2.1</b>	<b>2.3</b>	<b>2.45</b>	<b>2.6</b>	<b>2.5</b>	<b>2.6</b>	
PO Mean									<b>2.3</b>	PSO Mean								<b>2.4</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester-II</b>			
<b>Core- X INTERNATIONAL BUSINESS</b>			
<b>CourseCode:21PECC25</b>	<b>Hrs/Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**Objectives:**

- To familiarize the students with the theories and postulates of international trade
- To develop analytical skill of the students for identifying international problems and relations providing a framework for economic growth and development.
- To explain business expansion abroad and key issues related to their operations in other countries.
- To compare and contrast cultures and societies globally using socioeconomic and cultural frameworks.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO-1	develop communication skill through international trade in reality.	2	Ap
CO-2	present appropriate techniques to ensure comparability of the measures to accelerate trade.	3	Kn
CO-3	describe the basic trade rules and regulations in an elaborate way	5	Kn
CO-4	discuss the key assumptions underlying techniques and tools.	3	Un
CO-5	describe the relations and calculate indicators in an international trade.	4	An
CO-6	estimate the rate of change in export and import of India.	6	Ap

Semester-II			
Core -X		INTERNATIONAL BUSINESS	
CourseCode:21PECC25	Hrs/Week:5	Hrs/Semester:75	Credits:4

### UNIT-I:General Concepts

15Hrs

Special features of international business – reasons for IB – Difference in endowments, cultures, currencies, technologies, wages, tastes, language – understanding world map–location of countries, their capital, currencies.

### UNIT-II: Concepts and Institutions

15 Hrs

Free trade versus protection – arguments for and against Laissez faire – Terms of trade – tariffs – quotas – non-tariff barriers – Phyto-sanitary measures – dumping – exchange rate –foreign exchange reserves – IMF –WB –GATT-WTO – UNCTAD – SAARC – SAAPTA – ASSFTA – NAFTA–ASEAN– MNCs – BOP – BOT– FDI.

### UNIT-III: Foreign Trade Documents

15Hrs

Need rationale and type of documents – export & import licenses – processing of export order – pre-shipment inspection and quality control – foreign exchange formalities – excise and customs clearance– port procedures

### UNIT-IV: Foreign Trade Procedure

15 Hrs

Claiming duty drawbacks and other benefits – determination of freight – containerization – booking of cargo space – packing and marking for exports – forwarding and clearing agents and their operations – cargo insurance

### UNIT-V:Exports

15 Hrs

Role of export – selection of export products – selection of export markets– role of exporthouses– appointmentofagents–paymentofagencycommission–promotion a broad–participation in trade fairs – export contracts – arbitration and dispute settlements – pre-shipment and post-shipment finance – letters of credit – EXIM bank – international capital markets foreign exchange rates.

### Text Book:

T.A.S.Balgopal.*ExportManagement*.NewDelhi:SultanChandand Co,2<sup>nd</sup>edition2006

### References forBook:

1. V K Bhalla and S Shiva Ramu. *International Business*.New Delhi: Anmol Publications Private Ltd,12threvised and enlarged edition 2009
- 2.Arun Kumar Jain.*International Business Competing in the Global Marketplace*.New Delhi:TheTataMcGraw Hill publishing Company Ltd.6<sup>th</sup>edition 2008
3. Sanjyot P Dunung. *International Business*.New Delhi: Mason A Carpenter, University ofWisconsinat MadisonGlobal2011

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2	3	2	3	2	3	2	<b>2.5</b>	3	3	2	3	2	2	2	2	<b>2.3</b>
<b>CO-2</b>	3	2	2	3	3	2	2	2	<b>2.3</b>	3	3	3	2	2	3	2	2	<b>2.5</b>
<b>CO-3</b>	3	3	3	3	2	2	2	2	<b>2.5</b>	3	3	3	3	2	2	2	2	<b>2.5</b>
<b>CO-4</b>	3	2	3	3	3	2	2	2	<b>2.5</b>	3	3	2	3	3	2	2	3	<b>2.4</b>
<b>CO-5</b>	3	2	3	2	3	2	2	2	<b>2.3</b>	3	3	2	3	2	3	3	2	<b>2.4</b>
<b>CO-6</b>	3	3	2	2	3	2	2	2	<b>2.3</b>	3	3	2	2	3	2	2	2	<b>2.3</b>
<b>Average</b>	<b>3</b>	<b>2.3</b>	<b>2.6</b>	<b>2.5</b>	<b>3</b>	<b>2</b>	<b>2.1</b>	<b>2</b>		<b>3</b>	<b>3</b>	<b>2.3</b>	<b>2.6</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	
PO Mean									<b>2.4</b>	PSO Mean								<b>2.4</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester–II</b>			
<b>Core Elective - I</b>		<b>FISCAL ECONOMICS</b>	
<b>CourseCode:21PECC21</b>	<b>Hrs/Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**Objectives:**

- To understand the economics of government expenditure and taxation.
- To use economic analysis to predict and verify the effects of government intervention on behaviour of individuals, households, and firms.
- To discuss the implications of policy for efficiency and equity.
- To understand that there can be more than one view on any economic issue and necessary skills to argue logically with reasoning.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO-1	describe the basic concepts and theories that explain the function and evolution of fiscal economics.	1	Un
CO-2	demonstrate insight into the properties and role of money and other financial assets within a modern economy.	2	Kn
CO-3	Critically evaluate the functions and operations of fiscal Economics and international financial institutions.	4	Ev
CO-4	Analyse the role of the Fiscal Economy of Indian Status.	3	An
CO-5	Familiarize learners with the vital fiscal policies, functions and various banking operations required for smooth functioning of a bank.	6	Ap
CO-6	inculcate in the participants a comparative understanding of the Traditional and modern functions of fiscal policies.	7	Ap

Semester–II			
Core Elective - I		FISCALECONOMICS	
CourseCode:21PECE21	Hrs/Week:5	Hrs/Semester:75	Credits:4

### UNIT-I: Introduction

15 Hrs

Nature and scope of Public Finance – Public and Private Finance – increase in the role of the modern Government– Principle of Maximum social Advantages.

### UNIT-II: Public Expenditure

15 Hrs

Public Expenditure – Public Expenditure and Private Expenditure – causes for the growth of Public Expenditure – Classification – Principles – Effects – Public Expenditure in India since 1951.

### UNIT-III: Public Revenue:

15 Hrs

Sources of Public Revenue – Tax Revenue and Non-Tax Revenue – Deficit Finance –Direct and Indirect Taxes – Income Tax and VAT, Custom and Excise duties & Goods and service Tax

### UNIT-IV: Public Debt

15 Hrs

Public Debt – Meaning – classification – sources – causes for borrowing – effects –methods of debt redemption. Budget – meaning – type importance – effects of surplus and deficits budget of the Economy–Special features of current union budget

### UNIT-V:Fiscal Policies

15 Hrs

Fiscal Federalism in India – Centre– State Financial relationship in India – Role of Finance Commissions of India – Recommendations of the recent Finance Commission – Local Finance– Problems and perspectives Fiscal Policy of India.

### TextBook:

1. P.Tyagi. *Public Finance*. Meerut: JaiPrakash Nath& Co. 2<sup>nd</sup> edition 2000

### BooksforReference:

1. K.P.M.Sundaram. *Fiscal Economics*. New Delhi: Sultan Chand and Co. 1<sup>st</sup> edition 1999
2. Cauvery, Sudha Nayak, Girija, Kriparani & Meenakshi. *Public Finance*. New Delhi: S.Chand & Company Ltd. 2<sup>nd</sup> edition 2000
3. R.C.Saxena & P.C.Mathur. *Public Finance*. Meerut: K.Nath & Co., 2<sup>nd</sup> edition 2006
4. Dr.S.Sankaran. *Fiscal Economics*. Chennai: Margham Publications, 6<sup>th</sup> edition 2013

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2	3	3	2	2	3	2	<b>2.5</b>	3	3	2	2	2	2	3	2	<b>2.3</b>
<b>CO-2</b>	3	2	2	2	2	2	2	2	<b>2.1</b>	3	2	2	2	3	2	2	2	<b>2.2</b>
<b>CO-3</b>	3	2	3	2	2	3	2	3	<b>2.5</b>	3	2	3	3	2	2	3	3	<b>2.6</b>
<b>CO-4</b>	3	3	3	2	3	2	3	2	<b>2.6</b>	3	2	3	3	2	2	3	2	<b>2.5</b>
<b>CO-5</b>	2	2	3	2	2	2	3	2	<b>2.2</b>	3	2	3	3	2	2	3	2	<b>2.5</b>
<b>CO-6</b>	3	3	2	3	3	3	3	2	<b>2.7</b>	3	3	2	2	3	2	2	2	<b>2.3</b>
<b>Average</b>	<b>2.8</b>	<b>2.3</b>	<b>2.6</b>	<b>2.3</b>	<b>2.3</b>	<b>2.3</b>	<b>2.6</b>	<b>2.1</b>		<b>3</b>	<b>2.3</b>	<b>2.5</b>	<b>2.5</b>	<b>2.3</b>	<b>2</b>	<b>2.5</b>	<b>2.1</b>	
PO Mean									<b>2.4</b>	PSO Mean								<b>2.4</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		



Semester–III			
Core- XI		HISTORY OF ECONOMIC THOUGHT	
CourseCode:21PECC31	Hrs/ Week:6	Hrs/Semester:90	Credits:4

#### Objectives:

- It enables the student to understand the history of their field of study in economics.
- Economic ideas did not evolve in isolation, but were an integral and important part of the evolution of modern social thought.
- It gives the student another chance to learn about economics, to see how economic theories have been developing and how they are improved upon.
- This course, tracing the history of economic thought, would enable the student to understand how contemporary economics came to what it is.
- India is one of the ancient civilizations of the world. India has rich heritage of culture and ethos reflecting economic thought of relevant time.
- A critical study of the economic theories of the past and economic ideas of the great economic thinkers of the past is at once challenging and illuminating and enlightening.

#### Course Outcome

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	debate similarities and differences among different economic schools.	8	Ap
CO-2	comprehend the development of the theory of economics in historical perspective.	4	Kn
CO-3	understand the development of economic thought in the context of the evolving global economy.	1	Un
CO-4	identify the development of economic thought from a historical perspective and how the economic thought of one historical period	2	An
CO-5	clearly identify how economic theory has developed as a result of the evolution of economic thought.	5	Ev
CO-6	promote the autonomy of judgment in selecting the most reliable sources of research, in applying a constructive critical approach of the research outcomes	7	Ap

Semester–III			
Core- XI		HISTORY OF ECONOMIC THOUGHT	
Course Code: 21PECC31	Hrs/ Week: 6	Hrs/Semester: 90	Credits: 4

#### **UNIT-I: Economic Thought: Basic Concepts**

**20 Hrs**

Labour – Productive Forces and Production Relations: Social Formation – Social Classes: Commodity; Labour Power–Market, Value and Price: Capital, Social Revolution. Exploitation  
– State–Competition –Monopoly–Imperialism

#### **UNIT-II: Nature and importance of Economic Laws**

**20 Hrs**

Political Economy Definition: Origin of political Economy: Physiocrats, Adam Smith and David Ricardo, Karl Marx and Frederick Engels, V.M. Lenin, Alfred Marshall, Lionell Robbins and Joseph Schumpeter, J.M. Keynes, Gunnar Myrdal, D. P. Mukerji

#### **UNIT-III: Economic Role of the State**

**15 Hrs**

Marxist Theory of State: State Intervention – Political Intervention–Economic Intervention: Planning and Controls–State as Entrepreneur–State in Developing Countries–State in Socialist Society

#### **UNIT-IV: Classical Theory of Development:**

**15 Hrs**

Division of Labour – Free Enterprise – Competition – Value and Surplus – Theory of Distribution  
– Over Production –Under Consumption – Stationary State – Relevance of Classical Theory

#### **UNIT-V: Neo Classical Theory of Development:**

**20 Hrs**

Neo-Classical School of Economics–Modern Theories of Growth: Harrod – Domar Model–Kaldor’s Model–Joan Robinson’s Model.

#### **Text Book:**

Lokanathan. *A History of Economic Thought* - New Delhi: S.Chand & Company Ltd, 2<sup>nd</sup> edition 2010,

#### **Books for Reference:**

1. Romesh Dutt. *The Economic History of India – Under Early British Rule*. Great Britain: Cambridge University Press, 2<sup>nd</sup> edition 2000
2. Dadabhai Naoroji. *Poverty and Un-British Rule in India*. New Delhi: Ministry of Information and Broadcasting, Govt. of India, 2<sup>nd</sup> edition 1966.
3. Bhattacharyya, Dhires. *A Concise History of Indian Economy*. New Delhi: Prentice Hall of India Ltd. (PHI), 2<sup>nd</sup> edition 1989
4. Dasgupta, Ajit K. *A History of Indian Economic Thought*. London: Routledge, 4<sup>th</sup> edition 1993

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	2.5	3	2	3	2.5	2	3	2	<b>2.5</b>	2.5	2	3	3	3	2.5	2	3	<b>2.6</b>
<b>CO-2</b>	3	2.5	2.5	3	2	2.5	3	2	<b>2.6</b>	3	2	3	3	2.5	3	2	2	<b>2.6</b>
<b>CO-3</b>	3	2.5	3	2.5	2	2.5	3	2	<b>2.6</b>	3	2	3	2.5	2.5	3	2	2	<b>2.5</b>
<b>CO-4</b>	3	2.5	2.5	3	2	2.5	3	2	<b>2.6</b>	2.5	2	3	3	3	2.5	2	2	<b>2.5</b>
<b>CO-5</b>	3	3	2.5	3	3	2.5	3	2	<b>2.8</b>	3	2.5	3	3	3	2.5	2	2	<b>2.6</b>
<b>CO-6</b>	3	3	2.5	3	3	2.5	3	2	<b>2.8</b>	3	2.5	3	2.5	3	3	2	2	<b>2.6</b>
<b>Average</b>	<b>2.9</b>	<b>2.8</b>	<b>2.7</b>	<b>2.8</b>	<b>2.5</b>	<b>3</b>	<b>2</b>	<b>2.2</b>		<b>2.8</b>	<b>2.2</b>	<b>3</b>	<b>2.8</b>	<b>2.8</b>	<b>2.5</b>	<b>2</b>	<b>2.2</b>	
PO Mean									<b>2.7</b>	PSO Mean								<b>2.9</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester–III</b>			
<b>Core- XII</b>		<b>INDIAN ECONOMY</b>	
<b>CourseCode:21PECC32</b>	<b>Hrs/Week:6</b>	<b>Hrs/Semester:90</b>	<b>Credits:4</b>

**Objectives:**

- Using appropriate analytical frame works, this course reviews major trends in economic indicators and policy debates in India.
- In the post-Independence period, with particular emphasis on paradigm shifts and turning points.
- To develop all these themes, the course is divided into specific modules.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO -1	know the development process in India after independence	1	Le
CO -2	understand the problems and measures in their contextual perspective	3	Kn
CO -3	Identify and analyze current issues	5	An
CO -4	Analyze economic behavior in practice	4	Ap
CO -5	understand the economic way of thinking.	6	Un
CO -6	create students ability to suggest of the various economic problems	8	Ev

Semester–III			
Core - XII		INDIAN ECONOMY	
Course Code: 21PECC32	Hrs/Week: 6	Hrs/Semester: 90	Credits: 4

#### **UNIT-I: Structure of Indian Economy**

**20Hrs**

Natural resources—Land, Water, Forest—Demography—Features, size, sex Composition and Growth rates; Infrastructure – Transport, Communication, Energy. National Income: Trend, Growth rate and Sectoral contribution

#### **UNIT-II: Agricultural Sector:**

**20Hrs**

Institutional structure – Land reforms in India: Technological change in agriculture – Pricing of agricultural inputs and output; Agricultural Finance Policy; Agricultural Marketing and Warehousing—Issues of food security— Policies for sustainable agriculture.

#### **UNIT-III: Industrial Sector**

**15Hrs**

New Industrial policy of India 2020- Salient features of New Industrial Policy – Three major industries in India today- Sources of Industrial Finance- Internal and External Sources-Industrial Finance Corporation of India (IFCI) - Outcomes of New Industrial Policies- Limitations of Industrial Policies in India

#### **UNIT-IV: Financial Sector**

**15Hrs**

Monetary policy of RBI-Money and Capital markets-Growth and problem- Role of commercial banks in India-Banking sector reforms since 1991

#### **UNIT-V: Globalization and India**

**20Hrs**

Rationale of internal and external reforms-globalization of Indian economy- WTO & its impact on different sectors of the economy-need for and issues in good governance.

#### **Text Book:**

Ruddar Datt & K.P.M. Sundaram. *Indian Economy*. New Delhi: R. Chand & Co. 2008

#### **Books for Reference:**

1. Kindleberger, C.P. *Economic Development*. New York: McGraw Hill, 3<sup>rd</sup> edition 2008
2. M.L. Jhingan. *The Economics of Development and Planning*. New Delhi: Vikas Publishing House Pvt. Ltd, 2<sup>nd</sup> edition 2000
3. Misra, S.K. and V.K. Puri. *Indian Economy*. Dhingra: Himalaya Publishing House, 16<sup>th</sup> edition 2005

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	3	3	2	2	2	2	2	<b>2.3</b>	3	3	2	2	2	2	2	2	<b>2.5</b>
<b>CO-2</b>	3	3	3	2	2	2	2	2	<b>2.3</b>	3	3	3	3	3	2	2	3	<b>2.7</b>
<b>CO-3</b>	3	3	3	3	3	2	2	2	<b>2.6</b>	3	3	2	2	2	3	3	2	<b>2.5</b>
<b>CO-4</b>	3	3	2	2	2	2	2	2	<b>2.2</b>	3	3	3	2	3	2	2	3	<b>2.6</b>
<b>CO-5</b>	3	3	3	2	2	2	2	2	<b>2.6</b>	3	3	2	2	2	2	2	2	<b>2</b>
<b>CO-6</b>	3	3	3	2	2	2	2	2	<b>2.3</b>	3	2	3	3	3	2	2	3	<b>2.6</b>
<b>Average</b>	<b>3</b>	<b>3</b>	<b>2.8</b>	<b>2.1</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>3</b>	<b>2.8</b>	<b>2.6</b>	<b>2.3</b>	<b>2.6</b>	<b>2.1</b>	<b>2.1</b>	<b>2.6</b>	
PO Mean									<b>2.3</b>	PSO Mean								<b>2.4</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

<b>Semester–III</b>			
<b>Core –XIII</b>		<b>RURAL DEVELOPMENT</b>	
<b>CourseCode:21PECC33</b>	<b>Hrs/ Week:5</b>	<b>Hrs/Semester:75</b>	<b>Credits:4</b>

**Objectives:**

- To get employment in the department of rural development and Panchyatraj of both State and Central.
- The objective of this course is to provide a detailed treatment of issues pertaining to rural development to those intending to specialize in this area.
- To familiarize students with the theory of rural development issues those are relevant to Indian countryside and enable them to understand and analyze the problems of rural development.

**Course Outcome**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO -1	understand different categories of rural development policies and programmes and its impact on rural poverty and unemployment.	1	Un
CO -2	know the various advantages with regard to social upliftment especially in rural areas	3	Kn
CO -3	inculcate about the scope, importance and sources of Rural Development Programmes	2	An
CO -4	acquire the knowledge on rural industries and entrepreneurship and appraise the value of participatory rural appraisal and conventional methodology in solving human problems	4	Ap
CO -5	understand the problem of rural sector, backwardness, income inequalities, regional imbalances, gender disparities and remedial measures.	5	Un
CO -6	doctorate in Rural Development increases the chances to obtain a high profile job in future	7	Kn

Semester–III			
Core –XII		RURALDEVELOPMENT	
CourseCode:21PECC33	Hrs/ Week:5	Hrs/Semester:75	Credits:4

#### **UNIT-I:Rural Development**

**15 Hrs**

Meaning, Definition, Scope and Concept of Rural Development, Components of Rural Development, Pre-Independence Rural Development Programmes

#### **UNIT-II: Approaches and Policies for Rural Development**

**15 Hrs**

Approaches for Rural Development: Broad Front Approach, Sectoral Approach-Policies for Rural Development: National Forest Policy-National Water Policy and National Agricultural Policy.

#### **UNIT-III: Rural Development Programmes**

**15Hrs**

Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)- Pradhan Mantri Gram Sadak Yojana (PMGSY) - Bharat Nirman – Swachh Bharat, P.M Jandhan Yojana-National Rural Health Mission (NRHM).

#### **UNIT-IV:Area Development Programmes:**

**15 Hrs**

Drought Prone Area Programme (DPAP)-Desert Development Programme (DDP)-Tribal and Hill Area Development Programme (THADP)-Integrated Wastelands Development Programme(IWDP)

#### **UNIT-V:Rural Development and Welfare Schemes in TamilNadu:**

**15 Hrs**

SC&ST Sub-Plan-Social Security Scheme-Old Age Pensions-Widow Pensions-Disabled Pensions-Maternity Aid to Pregnant Women

#### **TEXTBOOKS:**

Katar Singh.*Rural Development principles, policies and Management*. New Delhi:Sagepublications,2<sup>nd</sup>edition 1999

#### **ReferenceBooks:**

1. M.J.Moseley.*RuralDevelopment:Principles andPractice*.NewDelhi:Sage Publications6<sup>th</sup> edition2013
2. K.Sahu.*RuralDevelopmentinIndia*.New Delhi:AnmolPublications,4<sup>th</sup>edition2003
3. Todaro M.P.*Economic Development in III World*.New Delhi: Orient Long Man,3<sup>rd</sup>edition1985
4. R. Chambers. Rural development. New Delhi:Putting the Last First, Longman,2<sup>nd</sup>edition1983
5. Arora R.C *Integrated Rural Development in India*. New Delhi: S.ChandPublications,1<sup>st</sup>edition 1980.



	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2	3	2	2	3	2	2	<b>2.3</b>	3	3	2	3	2	2	2	2	<b>2.3</b>
<b>CO-2</b>	3	2	2	2	3	3	2	2	<b>2.3</b>	3	2	2	2	3	3	3	2	<b>2.5</b>
<b>CO-3</b>	3	2	2	2	2	2	2	2	<b>2.1</b>	3	2	2	2	2	2	2	3	<b>2.2</b>
<b>CO-4</b>	2	2	3	2	3	2	3	2	<b>2.3</b>	2	2	2	2	2	2	2	2	<b>2</b>
<b>CO-5</b>	3	2	2	2	2	2	2	2	<b>2.1</b>	3	2	2	3	3	3	2	2	<b>2.5</b>
<b>CO-6</b>	3	2	2	2	3	2	2	2	<b>2.2</b>	3	2	2	2	3	2	3	2	<b>2.3</b>
<b>Average</b>	<b>2.8</b>	<b>2</b>	<b>2.4</b>	<b>2</b>	<b>2.6</b>	<b>2.4</b>	<b>2.2</b>	<b>2</b>		<b>2.8</b>	<b>2.2</b>	<b>2</b>	<b>2.4</b>	<b>2.3</b>	<b>2.2</b>	<b>2.3</b>	<b>2.1</b>	
PO Mean									<b>2.2</b>	PSO Mean								<b>2.3</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester–III			
Core–XIV		RESEARCH METHODOLOGY	
CourseCode:21PECC34	Hrs/Week:5	Hrs/Semester:75	Credits:4

**Objectives:**

- Research is a careful and detailed study of a particular problem or concern, using scientific methods.
- The main objective of research is to explore the unknown and unlock new possibilities.
- It helps the students to pursue further research such as M.Phil.& Ph.D.
- To make the students to know the basic concepts and methods in methodology.
- To make them learn about the use of computer in research.

**Course Outcome**

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	understand a general definition of research design.	1	Un
CO-2	know why educational research is undertaken, and the audience that profit from research studies.	2	Kn
CO-3	identify the overall process of designing a research study from its inception to its report.	3	Un
CO-4	be familiar with ethical issues in educational research, including those issues that arise in using quantitative and qualitative research	3	Ap
CO-5	familiar with how to write a good introduction to an educational research study and the components that comprise such an introduction	5	An
CO-6	distinguish a purpose statement, a research question or hypothesis, and a research objective.	6	Ap

Semester–III			
Core– XIV		RESEARCH METHODOLOGY	
CourseCode:21PECC34	Hrs/Week:5	Hrs/Semester:75	Credits:4

#### **UNIT-I: Research Formulation and Design**

**15Hrs**

Motivation and objectives – Research methods vs. Methodology-Types of research –Descriptive vs. Analytical-Applied vs. Fundamental-Quantitative vs. Qualitative-Conceptual vs. Empirical-concept of applied and basic research process-criteria of good research.

#### **UNIT-II: Collection of Data**

**15 Hrs**

Types of Data: Primary and Secondary data - Methods of collection of Primary Data: Direct Personal Investigation, Indirect oral investigation, Information received through local agents, key informants, correspondents and mailed questionnaire - Secondary data: Sources, Limitations of Secondary Data- Precautions in the use of Secondary Data

#### **UNIT-III: Processing and Analysis of Data**

**15 Hrs**

Editing, Coding, Classification, Objects, Rules, Tabulation, Preparation of a statistical table-Requisites of a good table - Types of Tables: Format of a simple one way table and three way tables

#### **UNIT-IV: Testing of Hypothesis**

**15 Hrs**

Definition of Hypothesis, Characteristics, source of Hypothesis–Formulation of Hypothesis - Importance of Hypothesis – Pre-requisites for testing of Hypothesis, testing of Hypothesis, Types of errors in testing of Hypothesis, Level of significance

#### **UNIT-V:Report Writing**

**15 Hrs**

Reporting - Requirements and mechanics of Report writing -Meaning of Interpretation-Technique of Interpretation-Precaution in Interpretation-Significance of Report Writing-Different Steps in Writing Report-Layout of the Research Report-Types of Reports-Oral Presentation-Research Reports-Conclusions.

#### **Text Book:**

Kothari,C.R.*ResearchMethodology*.NewDelhi:HimalayasPublications,2<sup>nd</sup>edition 2013.

#### **Reference Books:**

1. Cohen,M.R.andNagal.*IntroductiontoLogicandScientificmethodsBook-II*.Ireland:  
a. MadisonPublications,2<sup>nd</sup>edition1934
2. GoodandHalt.*Methods in Social Research*.NewDelhi:S.ChandPublications,4<sup>th</sup>edition1993
3. KurienC.T.A.*GuidetoResearch in Economics*.NewDelhi:S.ChandPublications.2013

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	2	3	2	2.8	3	3	3	3	3	2	2	2	2.6
CO-2	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.6
CO-3	3	3	3	2	3	2	2	2	2.5	3	3	3	3	3	2	2	2	2.6
CO-4	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-5	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-6	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	3	3	3	3.0
Average	3	3	3	3	3	2	2	2		3	3	3	3	3	2.2	2.2	2.6	
PO Mean									2.6	PSO Mean								2.7
Strength of PO Correlation				Strong					Strength of PSO Correlation						Strong			

<b>Semester–III</b>			
<b>Core – XV</b>		<b>PUBLIC FINANCE</b>	
<b>CourseCode:21PECC35</b>	<b>Hrs/Week:4</b>	<b>Hrs/Semester:60</b>	<b>Credits:4</b>

**Objectives:**

- To develop students' analytical and consulting skills in the area of public finance.
- The course is targeted to those students whose major is in public administration, business-government relations, or management in the service industry.
- To provide the students with a thorough knowledge and understanding of the economic functions of government in an economy.

**Course Outcome:**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO addressed</b>	<b>CL</b>
CO-1	develop written and verbal skills in communicating public finance and economic perspective.	1	Un
CO-2	describe the effects of taxation on production, distribution and economic stability, role of public expenditure in developing country	3	Kn
CO-3	increase the student's ability to analyze public finance policies through a deeper understanding of economic behavior and incentives	2	Kn
CO-4	analyze the fiscal policy practices in the real world using economic methods and tools.	3	An
CO-5	demonstrate the ability to model public finance issues using fundamental fiscal and economic skills.	5	Ap
CO-6	understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.	3	Ap

Semester–III			
Core –XVPUBLICFINANCE			
CourseCode:21PECC35	Hrs/Week:4	Hrs/Semester:60	Credits:4

#### **UNIT-I:The Theory of Public and Private Goods**

**10 Hrs**

Efficiency of Public Goods – Private preference for Public goods –Voluntary ExchangeTheory– SamuelsonTheory-Externalities–NegativeExternalities–Positive Externalities and in efficiency.

#### **UNIT-II: Allocation of Resources**

**10 Hrs**

Definition – Types of allocations - Importance and dependency of government budget –Imbalance allocation of resources - Opportunity cost and Allocation - Efficient Allocation of Resources – Optimum Budget- Allocation of resources in Privatizations – Allocation of resources and the developing country.

#### **UNIT-III: Taxation and Public Expenditure**

**15 Hrs**

Sources of Revenue–Kinds–Direct and Indirect Tax–Merits and Demerits–Income Tax- Progressive – Regressive–Degressive Tax–Double Taxation-Public Expenditure: Canons of Public Expenditure– Reasons for the growth of Public Expenditure

#### **UNIT-IV: Public Debt**

**10 Hrs**

Meaning –Causes –Classification - Sources -Burden – Kinds of burden - Measurement of Debt Burden –Redemption of Public debt - Budget in India –Process –Procedure –Purpose of Budget– Types –Revenue and capital Budget

#### **UNIT-V:Federal Finance**

**15 Hrs**

Allocation of Revenue -Resources between Centre and States –Division of Functions –Division of Resources – Central Resources – State List –Finance Commission –Functions –Major Recommendations of 12th and 13th Finance Commission - Local Finance –Meaning and Importance

#### **Text Book**

R.A.Musgrave and P.B.Musgrave.*Public Finance inTheory and Practice*.New York:McGrawHillPublications,5<sup>th</sup>edition 1989

#### **Reference Books:**

1. Atkinson,A.BandJ.E.Siglitz.*LecturesonPublicEconomics*.NewYork:TataMcGrawHill,2004
2. JohnCullisandPhilipJones,*PublicFinanceandPublicChoice*.Delhi:OxfordUniversityPress1<sup>st</sup> Edition, 1998
3. B.P.Tyagi.*PublicFinance*.RevisedbyDr.H.P.Singh,NewDelhi:JaiPrakashNath&Co,4<sup>th</sup>edition 2003.
4. HarveyRosen.*PublicFinance*.New York:McGrawHillPublications,7<sup>th</sup>edition, 2005

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	3	3	2	2	2	2	3	<b>2.5</b>	3	3	3	3	2	3	2	2	<b>2.6</b>
<b>CO-2</b>	3	3	3	2	2	2	2	3	<b>2.5</b>	3	3	3	3	2	3	2	2	<b>2.6</b>
<b>CO-3</b>	3	3	3	2	2	2	3	3	<b>2.6</b>	3	3	3	3	2	3	2	2	<b>2.6</b>
<b>CO-4</b>	3	3	3	2	2	2	2	3	<b>2.5</b>	3	3	3	3	2	3	2	2	<b>2.6</b>
<b>CO-5</b>	3	3	3	2	2	2	2	3	<b>2.5</b>	3	3	3	3	2	3	2	2	<b>2.6</b>
<b>CO-6</b>	3	3	3	2	2	2	2	3	<b>2.5</b>	3	3	3	3	2	3	2	2	<b>2.6</b>
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.2</b>	<b>3</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>	
PO Mean									<b>2.5</b>	PSO Mean								<b>2.6</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester-III			
Core Elective – II		HUMAN RESOURCE MANAGEMENT	
CourseCode:21PECE31	Hrs/Week:4	Hrs/Semester:60	Credits:4

#### Objectives:

- To make student familiar with the principles of Management at business organizations.
- To know administration's functions which lead companies and organizations to success, by focusing on practice in the local environment.

#### Course Outcome

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	Explain the importance of human resources and their effect in management in organizations	1	Un
CO-2	demonstrate a basic understanding of different tools used in forecasting and planning human resource needs	3	Kn
CO-3	ability to implement Employee benefits and Welfare measures	2	Ev
CO-4	develop, analyze and apply advanced training strategies and specifications for the delivery of training programs	4	An
CO-5	effectively manage and plan key human resource functions within organizations	5	Kn
CO-6	describe trends in the labour force composition and how they affect human resource management	3	Ap



Semester-III			
Core Elective -II		HUMAN RESOURCE MANAGEMENT	
CourseCode:21PECE31	Hrs/Week:4	Hrs/Semester:60	Credits:4

#### **UNIT-I: Nature and Scope**

**10Hrs**

Human Resource Management: Meaning and scope, functions and objectives – HRM Model- Human Resources planning-Job design and Job analysis.

#### **UNIT-II: Recruitment and Selection**

**15Hrs**

Recruitment: Definition - Recruitment process and screening - Definition of Selection and role - Selection process - New Methods of Selection – Absenteeism and labour turnover: Determinants and types– Motivation.

#### **UNIT-III: Training and Development**

**10Hrs**

Nature and Importance of Training and Development - Impediments - Effective Training Performance Appraisal and Organizational Strategy

#### **UNIT-IV: Employee Remuneration**

**10Hrs**

Theories of Remuneration - Ideal Remuneration - Factors influencing remuneration - types of incentives schemes

#### **UNIT-V: Benefits, Safety and Welfare**

**15Hrs**

Types of Benefits and Services -Principles of Fringes -Empowerment - Quality of Work Life – Welfare Measures –Need for Safety and health -Business ethics –Human Resource Audit

#### **Text Book:**

R.D. Agarwal .*Dynamics of Personnel Management in India*. New Delhi:SkylarkPublication.13<sup>th</sup>edition1994

#### **Reference Books:**

1. Swathappa.*Human Resources and Personal Management*.New Delhi:Tata McGraw HillPublishingCo.Ltd. 4<sup>th</sup>edition 2003
2. John Storey. *Human Resource Management*.New Delhi: Rutledge Publications,2<sup>nd</sup>edition 1995
3. Terry, L. Leap, Michael D. Crino.*Personnel / Human Resource Management*. Chennai:MacmillanPublications, 3<sup>rd</sup>edition 2012
4. C.S.Venkataratnam and B.K.Srivastav.*PersonalManagement&HumanResources*.  
a. NewDelhi:TataMcGraw HillPublishing& Co.2<sup>nd</sup>edition1991.

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	2	2.2	3	2.4	2	2.2	2.5	2.8	3	3	3	3	3	2	2	3	2.7
CO-2	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	2	2.6
CO-3	3	2	2.2	3	2	2	2	2	2.5	3	3	3	3	3	2	2	2	2.6
CO-4	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.7
CO-5	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.7
CO-6	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	3	3	3	3.0
Average	3	3	3	3	3	2	2	2		3	3	3	3	3	2.2	2.2	2.6	
PO Mean									2.6	PSO Mean								2.7
Strength of PO Correlation			Strong						Strength of PSO Correlation						Strong			

Semester-IV			
Core – XVI		MONETARY ECONOMICS	
Course Code:19PECC41	Hrs/Week:6	Hrs/Semester:90	Credits:4

**Objectives:**

- To understand the functioning of the monetary system and the currency markets, and of theoretical basis of monetary and exchange rate policies.
- To gain the knowledge and skills in the field of economic theory and practice of implementing monetary policy.
- The present course is designed to acquaint the students fully with the changing role of financial institutions in the process of growth and development.
- Money and banking constitute important components towards understanding of economics.

**Course Outcome**

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	explain the role of short-term monetary policy, and the key strategies and techniques used	1	Un
CO-2	calculate contemporary measures of monetary measures of performance and risk.	2	Kn
CO-3	describe contemporary monetary risk management oversight processes	3	Kn
CO-4	identify the major sources of short-term and long-term monetary finance available to the firm.	3	Le
CO-5	analyse financial statements using standard financial ratios of liquidity, activity, debt, profitability, and market value.	5	An
CO-6	apply techniques to project financial statements for forecasting long-term financial needs.	4	Ap

Semester-IV			
Core –XVI		MONETARY ECONOMICS	
CourseCode:19PECC41	Hrs/Week:6	Hrs/Semester:90	Credits:4

### **UNIT-I:Introduction**

**20 Hrs**

Meaning, functions and kinds of money; components of supply of money, Measures of money supply - Features of a developed money and capital market - Functions of commercial banks and prerequisites of a sound commercial banking system - A brief review of the measures taken in India to liberalize the financial system.

### **UNIT-II: Supply of Credit, Term Structure of Interest Rates**

**15 Hrs**

The theory of bank credit and bank deposits-Allocation of institutional credit-factors influencing institutional credit- the credit supply curve- Term structure and risk structure of interest rates-Theories of term structure of interest rates-Expectations theory-Market segmentation theory-Preferred habitat theory.

### **UNIT-III: Functions & growth of financial institutions**

**20 Hrs**

Functions and objectives of central bank; instruments of credit control- Objectives and limitations of monetary policy- Role of non-banking financial institutions in India-mutual funds, LIC, Investment companies, venture capital- Role of regulatory authorities -SEBI and IRDA.

### **Unit-IV:The structure of financial markets**

**15 Hrs**

Call money, treasury bills and commercial bills; the stock market and market for gilt-edged securities; unregulated credit markets-Financial sector reforms in India.

### **Unit-V:Monetary Policy and Financial System**

**20 Hrs**

Monetary policy—goals, tools, targets and limitations; Financial markets—classification of financial markets, Instruments of developed money and capital markets; Financial intermediaries—classification and functions; Role of financial system in economic development.

### **Text Book:**

Gupta,S.B. *MonetaryEconomics*.NewDelhi: S.Chand&Company,2006

### **Reference Books:**

1. Mitra,S. *Money&Banking*.NewYork:RandomHouse,2002
2. Chandler, L.V. *The Economics of Money and Banking*.New York : Harper & Row1989
3. S.M. Goldfeld Sayers. *Modern Banking*.New Delhi : Oxford University Press, 2<sup>nd</sup>edition 2000
4. Smith, P.F.*Economics of Financial Institutions & Markets*.New Delhi: Prentice-Hallof India pvt. ltd, 3rdedition 2000
5. Gupta, S.B. *Monetary planning for India*.New Delhi: S. Chand & Company, Pvt.Ltd3<sup>rd</sup>edition 1990

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
<b>CO-1</b>	3	2.5	2.5	2.5	2	2	2.5	2	<b>2.4</b>	3	3	3	2.5	2.5	2	2	2	<b>2.5</b>
<b>CO-2</b>	3	3	3	2.5	3	2	2.5	2	<b>2.6</b>	3	3	2.5	2.5	2.5	2	2	2	<b>2.4</b>
<b>CO-3</b>	3	3	3	2.5	2.5	2	2.5	2	<b>2.6</b>	3	3	3	2.5	2.5	2	2	2	<b>2.5</b>
<b>CO-4</b>	3	3	3	3	3	2.5	2.5	2	<b>2.8</b>	3	3	3	2.5	2.5	2.5	2	2.5	<b>2.6</b>
<b>CO-5</b>	3	3	3	3	3	2.5	3	2.5	<b>2.9</b>	3	3	2.5	2.5	3	2.5	2	2.5	<b>2.6</b>
<b>CO-6</b>	3	3	3	3	3	2.5	3	2.5	<b>2.9</b>	3	3	3	2.5	2.5	3	2	2.5	<b>2.7</b>
<b>Average</b>	<b>3</b>	<b>2.9</b>	<b>2.9</b>	<b>2.8</b>	<b>2.8</b>	<b>2.3</b>	<b>2.7</b>	<b>2.2</b>		<b>3</b>	<b>3</b>	<b>2.8</b>	<b>2.5</b>	<b>2.6</b>	<b>2.3</b>	<b>2</b>	<b>2.3</b>	
PO Mean									<b>2.7</b>	PSO Mean								<b>2.6</b>
Strength of PO Correlation				Strong						Strength of PSO Correlation						Strong		

Semester–IV			
Core – XVII		ENVIRONMENTAL ECONOMICS	
CourseCode:21PECC42	Hrs/Week:6	Hrs/Semester:90	Credits:4

**Objectives:**

- To understand the role of economics in environmental issues and in the formation of environmental policy.
- To express an informed view on the role, contribution, and limitations of economic tools in providing policy guidance on environmental issues.
- To provide the students with a thorough knowledge and understanding of the foundations of environmental economics.

**Course Outcome:**

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	apply microeconomic theory to the study of environmental issues.	4	Ap
CO-2	identify and critically evaluate alternative environmental policy instruments.	3	Kn
CO-3	develop written and verbal skills in communicating an environmental economic perspective.	2	An
CO-4	enhance the student's ability to conduct professional economic research and to develop and present professional proposals, papers, and presentations	6	Ap
CO-5	demonstrate the ability to model environmental policy issues using fundamental environmental and economics skills.	5	Kn
CO-6	engage in self-directed research and learning about environmental economics.	2	Kn

Semester–IV			
Core -XVII ENVIRONMENTAL ECONOMICS			
CourseCode:21PECC42	Hrs/Week:6	Hrs/Semester:90	Credits:4

### UNIT-I:Introduction

20Hrs

Meaning of Environment - Environmental Economics - Nature & Scope -significance - fundamentals of Environmental Economics - Importance of Environmental Economics-Functions and Objectives-Role of economic environment-Environmental economics issues

### UNIT-II: Theory of Environmental Economics

15Hrs

Basic theory of Environmental Economics - Environmental quality as a public good -forms of environmental quality—Environmental issues- Natural Resource of Environmental Economics- Conservation of Natural Resources.

### UNIT-III: Environmental Education

15Hrs

Environmental Education -Environmental awareness - Education through Environmental movements - Environmental Education and Training Program- Environmental education grants – Environmental Internships and fellowships-Environmental education awards

### UNIT-IV: Environmental Pollution

20Hrs

Environmental Pollution—Types of Pollution (Air, Water, *Land*, Noise, Indoor and Nuclear)- Forest and Environmental quality - urbanization and its impact on environment –population and environmental quality-pollution control and Environmental protection-Environmental Problems.

### UNIT-V:Economics of Solid Waste Management

20Hrs

Define Solid Waste Management– Types and impacts- - Solid Waste Disposal and Management- Methods of Solid Waste Disposal and Management- Methods of Solid Waste Management- Categories of Waste-recycling and reuse of solid waste management.

### Textbook:

S.Sankaran.*EnvironmentalEconomics*.Chennai:MarhamPublications,2<sup>nd</sup> edition2013

### ReferenceBooks:

1. M. Karpagam.*Environmental Economics*. New Delhi : Sung Publication Pvt.Ltd,2<sup>nd</sup> edition2011
2. T.Eugene.*EnvironmentalEconomics*.NewDelhi:VirindaPublicationPvt.Ltd,2010
3. Dorfman, Robert and Nancy Dorfman.*Economics of Environment*. Bombay: W.W.NortoCompany2<sup>nd</sup>edition 2000

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	2	3	2	2.8	3	3	3	3	3	2	2	2	2.6
CO-2	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	2	2.6
CO-3	3	3	2	3	3	2	2	2	2.5	3	3	3	3	3	2	2	2	2.6
CO-4	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-5	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-6	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	3	3	3	3.0
Average	3	3	3	3	3	2	2	2		3	3	3	3	3	2.2	2.2	2.5	
PO Mean									2.6	PSO Mean								2.7
Strength of PO Correlation				Strong					Strength of PSO Correlation						Strong			



Semester-IV			
Core –XVIII		FINANCIAL INSTITUTION AND MARKETS	
CourseCode:21PECC43	Hrs/Week:6	Hrs/Semester:75	Credits:4

#### Objectives:

- To understand the role and function of the financial system in reference to the macroeconomy.
- To provide the students with a thorough knowledge and understanding of the functioning of the financial institutions and markets in India.
- Demonstrate an awareness of the current structure and regulation of the Indian financial services sector.

#### Course Outcome

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	explain the role of short-term financial management, and the key strategies and techniques used	5	Ap
CO-2	describe the dimensions of performance and risk relevant to financial firms.	4	Kn
CO-3	calculate contemporary measures of financial measures of performance and risk.	2	An
CO-4	apply techniques to project financial statements for forecasting long-term financial needs.	6	Ap
CO-5	manage cash, marketable securities, accounts receivable and inventory.	7	Kn
CO-6	identify the major sources of short-term financing available to the firm.	3	Un

Semester-IV			
Core – XVIII		FINANCIAL INSTITUTION AND MARKETS	
CourseCode:21PECC43	Hrs/Week:6	Hrs/Semester:75	Credits:4

#### **UNIT-I:Financial System**

**15 Hrs**

Nature & Role of Financial System – money and near money – Financial intermediation and financial intermediaries – the structure of the financial system – Functions of the financial sector; Equilibrium in financial markets

#### **UNIT-II: Interest Rates**

**15 Hrs**

Structure of interest rates – level of interest rates – long period& short period rates – term structure of interest rates – spread between lending & deposit rates – administered interest rates – appropriate interest rate policy.

#### **UNIT-III: Non-Bank Financial Institutions**

**15Hrs**

Non-bank financial intermediaries, definition and types of non- bank financial institutions –growth and impact on India's economic development-Measures taken to control their operations.

#### **UNIT-IV: Money Market and Capital Market**

**15 Hrs**

Role and structure of money & capital market–call money market, Treasury bill market-Commercial bill market including commercial paper and certificate of deposits. Discount market – Government securities market–markets for derivatives: future and options and other derivatives-SEBI, its impact on capital market in India; IDRA and its role in financial markets

#### **UNIT-V:Role of Financial Markets**

**15 Hrs**

International financial markets–nature, organization and participants–reforms in international monetary system and its impact on developing countries-Euro- dollar and Euro-currency markets; their developmental role and regulation at the international level

#### **TextBook:**

Bhole L.M. *Financial Institutions and Markets*. New Delhi: TMH Publications, 2<sup>nd</sup> edition 2010

#### **Books for Reference:**

1. Bhole L.M. *Indian Financial System*. Allahabad: Chugh Publications, 2010
2. Edminster R.O. *Financial Institutions, Markets & Management*. New York: McGraw Hill, Khan, M. Y. 2<sup>nd</sup> edition 2005
3. Prasad K.N. *Development of India's Financial System*. New Delhi: Arup & Sons, Publications, 2003
4. Chandra. P. *Financial Markets*. New Delhi: TMH Publications, 2<sup>nd</sup> edition 2000

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	2	3	2	2.8	3	3	3	3	3	2	2	2	2.6
CO-2	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	2	2.6
CO-3	3	3	2	3	3	2	2	2	2.5	3	3	3	3	3	2	2	3	2.7
CO-4	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-5	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-6	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	3	3	3	3.0
Average	3	3	3	3	3	2	2	2		3	3	3	3	3	2.2	2.2	2.6	
PO Mean									2.6	PSO Mean								2.7
Strength of PO Correlation			Strong						Strength of PSO Correlation						Strong			

Semester–IV			
Core –XIX		DIGITAL ECONOMY	
Course Code:21PECC44	Hrs/Week:6	Hrs/Semester:90	Credits:4

**Objectives:**

- To know main technologies of Digital Economy, the role of them in a company's functioning.
- To analyze the influence of Digital Economy on world economy.
- To evaluate risks of Digital Economy's functioning.
- Understand perspectives and problems of using digital technologies.

**Course Outcome**

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	able to know the fundamentals of the digital economy	1	Un
CO-2	able to evaluate the various challenges that the globalization of digital economy presents	3	Kn
CO-3	having a framework for analyzing advancement in technological innovation in the global	2	An
CO-4	development and global scope of digital economy	5	Ap
CO-5	contemporary and potential challenges arising from global digital transformation	4	An
CO-6	future opportunities and implications related to digital economy expansion.	7	Ap

Semester–IV			
Core - XIX		DIGITAL ECONOMY	
CourseCode:21PECC44	Hrs/Week:6	Hrs/Semester:90	Credits:4

### UNIT-I: Introduction

20 Hrs

Meaning of Digital economy-digital economy and its components-Importance of digital economy-Transformation of the real economy into digital economy-Role of technology revolution in the world economy- Knowledge economy vs. Digital economy- Advantages and disadvantages of the digital economy

### UNIT-II: Digital Innovation

15 Hrs

Digital innovation and its impact on economic growth- Importance of digital innovation -low code support digital innovation-digital business innovation-digital transformation-differencebetween digital innovation and digital transformation-Concept of the Fourth Industrial Revolution

### UNIT-III: Digital Economy's Ecosystem

15 Hrs

Digital ecosystem-digital business ecosystem-a new regulatory frame work for the digital ecosystem-features of digital ecosystem-challenges to digital ecosystems-Implications for competitive strategy-digital platform ecosystem

### UNIT-IV: Households in the Digital Economy

15 Hrs

Individualization of products and services- changing structure of consumption-potential for economic participation- Digital economy's social impact - The digital divide - Key factors of globalization and economic growth in the digital age.

### UNIT-V: States in the Digital Economy in India

20 Hrs

E-government, e-public service-digital enabling-evolving governance frameworks relevant to the digital economy – History of digital economy in India-Role of digital economy in India-challenges of digital economy in India–Importance of digital economy in India–presentation on digital economy in India

### Text Book:

David L. Rogers. *The Digital Transformation Playbook*. New Delhi: Sultan Chand and Co, 2<sup>nd</sup> edition 2000

### Reference Book:

1. Jan A. Audestad. *Digital Economics*. Mumbai: Springer Nature Publications, 1<sup>st</sup> edition 2015.
2. T.L. Mesenbourg. *Measuring the Digital Economy In India*. Chennai: Sung Publications, 2<sup>nd</sup> edition 2001.
3. Avi Goldfarb, Shane Greenstein and Catherine Tucker. *Economic Analysis of the Digital Economy*. New Delhi: Arup & Sons, Publications, 2003
4. Eric Brousseau. Nicolas Curien. *Internet and Digital Economics: Principles, Methods and Applications*. New Delhi : Virinda Publication Pvt. Ltd 2008

	PO									PSO								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	Avg	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	Avg
CO-1	3	3	3	3	3	2	3	2	2.8	3	3	3	3	3	2	2	2	2.6
CO-2	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	2	2.6
CO-3	3	3	3	3	2	2	2	2	2.5	3	3	3	3	3	2	2	2	2.6
CO-4	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-5	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	2	2	3	2.8
CO-6	3	3	3	3	3	2	2	2	2.6	3	3	3	3	3	3	3	3	3.0
Average	3	3	3	3	3	2	2	2		3	3	3	3	3	2.2	2.2	2.5	
PO Mean									2.6	PSO Mean								2.7
Strength of PO Correlation				Strong					Strength of PSO Correlation						Strong			

Semester – IV			
<b>Core – XVII PROJECT</b>			
<b>CourseCode:21PECP45</b>	<b>Hrs/Week:8</b>	<b>Hrs/Semester:120</b>	<b>Credits:8</b>

### GUIDELINES FOR THE PROJECT WORK OF THE PG PROGRAMME IN ECONOMICS

The students are expected to carry out a project work in the last semester. It is equivalent to a core course. For maintaining uniformity and quality in its preparation, the Board of Studies has prepared clear guidelines.

The scheme and syllabus of the M.A. Programme in Economics under the CBCS suggests those students shall do a final research project for attaining intellectual maturation. The project is a major document that reflects the skills of the student to investigate critically a topic/problem, the ability to gather and analyze information, and to present and discuss the results/investigation concisely and clearly. The guidelines to be followed in the preparation and submission of the project areas given hereunder.

1. The students may choose any topic from the subject he/she has studied, including the social and economic issues in the local/regional context.
2. The project work should be supervised by a faculty approved by the University.
3. The students shall prepare and submit the project report to the University/approved study Centre.
4. The report with around 40 A4 size pages (excluding preliminary pages) with at least 20 lines per page on one side of the paper only. The report should be bound (spiral or other ways).
5. The project report should be submitted to the Department within the date announced by the Controller of Examinations
6. The student shall prepare two copies of the report; one copy for submitting to the University and one copy for personal reference.

#### **7. Structure of the project report:**

- Title page
- Certificate from the supervising teacher
- Certificate by the students
- Acknowledgements
- Contents
- List of Tables and graphs
- List of Acronyms used
- An Abstract of the project work. The abstract constitutes an up to one-page executive summary, which provides a brief outline of the objectives, scope of the project, the methodology used, the main findings and results achieved and any conclusions and recommendations made. This should appear before the introductory chapter.
- **Chapter 1:** Introduction (which includes importance of the study, objectives of the study, methodology and data source, Chapter frame, Concepts used, limitations of the study etc)
- **Chapter II:** Review of Literature
- **Chapter III:** Profile of the study area (Optional)
- **Chapter IV:** Data Analysis (Core of the report)
- **Chapter V:** Summary of Findings and Conclusions
- **Appendix:** Questionnaire / Schedule, other exhibits, case etc.
- **Bibliography** (In referencing and bibliographic preparation, the APA (American Psychological Association) style sheet is recommended).

9. A project work must be the student's own work and must not contain any plagiarized material.

10. Evaluation of the project report: The project report shall be subject to both internal and external evaluation.

11. The internal as well as external evaluation shall be done by the University. This component is examined on the basis of the students' awareness in the research process and its methodology. An objective multiple choice Question Bank developed for the course may be used for internal evaluation.

12. The external assessment of the project is based mainly on the written material. Hence, the objective evaluation of it demands clear procedure. Accordingly, the examiners' assessment of the project work will be based on a variety of features. These include amongst others:

- Understanding of the topic
- Methodology used, the standard of presentation
- The adequacy of the literature survey and data search
- Integration with literature; interpretation of data and results
- Ability to explain findings; originality
- The correct usage of referencing system; etc.



**PG Department of Economics**  
**Course Attainment for the year 2021 – 2023**

<b>Blueprint of the question paper</b>	<b>Section</b>	<b>Unit I</b>	<b>Unit II</b>	<b>Unit III</b>	<b>Unit IV</b>	<b>Unit V</b>
	Section A	2	2	2	2	2
	Section B Any FIVE	2	2	1	1	1
	Section C Either OR	2	2	2	2	2
	Section D Any THREE	1	1	1	1	1

<b>Course Code</b>	<b>Name of the Course</b>	<b>Course Outcomes</b>															
		<b>Programme Outcomes (PO)</b>								<b>Programme Specific Outcomes (PSO)</b>							
		<b>P O-1</b>	<b>P O-2</b>	<b>P O-3</b>	<b>P O-4</b>	<b>P O-5</b>	<b>P O-6</b>	<b>P O-7</b>	<b>P O-8</b>	<b>PS O-1</b>	<b>PS O-2</b>	<b>PS O-3</b>	<b>PS O-4</b>	<b>PS O-5</b>	<b>PS O-6</b>	<b>PS O-7</b>	<b>PS O-8</b>
21PECC11	Advanced Microeconomic Analysis-I	3	2.5	3	3	2.8	2.5	2.9	2	3	2.9	2.9	2.5	2.6	2.6	2	2
21PECC12	Advanced Macroeconomic Analysis-I	3	2.6	3	3	3	2.6	2.5	2.5	3	3	3	2.6	2.8	2.8	2.5	2.5
21PECC13	Statistics for Economists-I	3	2.9	2.6	3	3	2.5	2.8	2	3	3	2.8	3	2.8	2.8	2.3	2.5
21PECC14	Labour Economics	2.6	2.5	2.3	2.5	2.3	2.3	2.5	2	3	2.5	2.3	2.5	2.3	2	1.8	2.1
21PECC15	Economics of Farm Business	3	2.9	2.6	3	3	2.5	2.8	2	3	3	2.8	3	2.8	2.8	2.3	2.5
21PECC21	Advanced Microeconomic Analysis–II	3	2.6	3	3	3	2.6	2.5	2.5	3	3	3	2.6	2.8	2.8	2.5	2.5
21PECC22	Advanced Macroeconomic Analysis–II	3	2.6	3	3	3	2.6	2.5	2.5	3	3	3	2.6	2.8	2.8	2.5	2.5

21PECC23	Statistics for Economists-II	3	2.8	2.8	2.9	3	2.5	2.6	2.5	2.9	2.8	2.8	2.8	2.9	2.9	2.5	2.5
21PECC24	Demography	2.8	2.1	2.3	2	2.5	2.6	2.3	2.5	2.8	2.1	2.1	2.3	$\frac{2.4}{5}$	2.6	2.5	2.6
21PECC25	International Business	3	2.3	2.6	2.5	3	2	2.1	2	3	3	2.3	2.6	2.1	2	2	2.1
21PECE21	Fiscal Economics	2.8	2.3	2.6	2.3	2.3	2.3	2.6	2.1	3	2.3	2.5	2.5	2.3	2	2.5	2.1
21PECC31	History of Economic Thought	2.9	2.8	2.7	2.8	2.5	3	2	2.2	2.8	2.2	3	2.8	2.8	2.5	2	2.2
21PECC32	Indian Economy	3	3	2.8	2.1	2.1	2	2	2	3	2.8	2.6	2.3	2.6	2.1	2.1	2.6
21PECC33	Rural Development	2.8	2	2.4	2	2.6	2.4	2.2	2	2.8	2.2	2	2.4	2.3	2.2	2.3	2.1
21PECC34	Research Methodology	3	3	3	3	3	2	2	2	3	3	3	3	3	2.2	2.2	2.6
21PECC35	Public Finance	3	3	3	2	2	2	2.2	3	3	3	3	3	2	3	2	2
21PECE31	Human Resource Management	3	3	3	3	3	2	2	2	3	3	3	3	3	2.2	2.2	2.6
21PECC41	Monetary Economics	3	2.9	2.9	2.8	2.8	2.3	2.7	2.2	3	3	2.8	2.5	2.6	2.3	2	2.3
21PECC42	Environmental Economics	3	3	3	3	3	2	2	2	3	3	3	3	3	2.2	2.2	2.5
21PECC43	Financial Institutions and Market	3	3	3	3	3	2	2	2	3	3	3	3	3	2.2	2.2	2.6
21PECC44	Digital Economy	3	3	3	3	3	2	2	2	3	3	3	3	3	2.2	2.2	2.5
<b>Average Correlation</b>		2.9	2.5	2.8	2.7	2.7	2.3	2.3	2.1	2.9	2.5	2.7	2.7	2.6	2.3	2.2	2.3
<b>Mean Overall Score</b>		$\frac{2.5}{3}$	The POs and PSOs are strongly correlated with the COs of the programme														