



KAMARAJ COLLEGE

(AUTONOMOUS)

Accredited with A+ Grade by NAAC

Among Top 150 Colleges in India - NIRF Ranking 2025

இந்து நாடார் சங்கங்களால் 1966-ல் தொடங்கப்பட்ட கல்லூரி
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI - 628 003.



MINUTES OF THE BOARD OF STUDIES

DEPARTMENT OF ECONOMICS

M.A., Economics

Semester – I to IV

(for the students those who joined from the academic year 2025-2026)



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M.A., Economics

Semester – I to IV

Syllabus

(For the Students those who joined from the academic year 2025 - 2026)

Department Profile

Name of the Programme	:	M.A., Economics
Programme Code	:	06010
Year of Establishment	:	1986
E-Mail ID	:	kceconomics20@gmail.com
College Mail Id	:	kamarajcoll@gmail.com
College Website	:	https://kamarajcollege.ac.in/

Vision

- ❖ Creating Productive Human Resource Development

Mission

- ❖ Practical skills on field work and project work
- ❖ Exposure Visit to Industrial Sectors
- ❖ To entice into Higher studies / Self-employed and Placement

Choice based credit system and learning out comes-based curriculum frame work based M.A., Economics syllabus	
Programme:	M.A. ECONOMICS
Programme Code:	06010
Duration:	2 Years (PG)
Programme Outcomes:	
PO1	Problem Solving Skill: Apply knowledge of Management theories and Human Resource practices to solve business problems through research in Global context.
PO2	Decision Making Skill: Foster analytical and critical thinking abilities for data-based decision-making.
PO3	Ethical Value: Ability to incorporate quality, ethical and legal value-based perspectives to all organizational activities.
PO4	Communication Skill: Ability to develop communication, managerial and interpersonal skills.
PO5	Individual and Team Leadership Skill: Capability to lead themselves and the team to achieve organizational goals.
PO6	Employability Skill: Inculcate contemporary business practices to enhance employability skills in the competitive environment.
PO7	Entrepreneurial Skill: Equip with skills and competencies to become an entrepreneur.
PO8	Contribution to Society: Succeed in career endeavors and contribute significantly to society.
Programme Specific Outcomes:	
PSO1	Placement: To prepare the students who will demonstrate respectful engagement with others' ideas, behaviors, and beliefs and apply diverse frames of reference to decisions and actions.
PSO 2	Entrepreneur: To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations.
PSO3	Research and Development: Design and implement HR systems and practices grounded in research that complies with employment laws, leading the organization towards growth and development.
PSO4	Contribution to Business World: To produce employable, ethical and innovative professionals to sustain in the dynamic business world.
PSO5	Contribution to the Society: To contribute to the development of the society by collaborating with stakeholders for mutual benefit.

Methods of Evaluation		Marks	
Internal Evaluation	Continuous Internal Assessment Test	15	25
	Assignments with PPT	5	
	Class Participation /Group Discussion	5	
External Evaluation	End Semester Examination		75
	Total		100

Total credits Post-Graduate Courses

Semester	Hours	Credits
I	30	20
II	30	22
III	30	26
IV	30	23
Total	120	91

Pedagogy:

- Technology Based Learning (PPT)
- Peer Teaching (Chalk & Talk)
- Virtual Lab
- Blended Learning (Online & Offline)
- Group Learning
- Self - Study
- Games Based Learning

Course Structure

(For the Students admitted from the academic year 2025 – 26 onwards)

First year –Semester- I

M.A., Economics

Part	Course Code	Title of the Course	Credits	Hours	Duration of ESE (Hrs.)	Marks Allotted		
						CIA	ESE	Total
Core -I	25PMEC11	Advanced Micro Economics	5	7	3	25	75	100
Core -II	25PMEC12	Indian Economic Development and Policy	5	7	3	25	75	100
Core -III	25PMEC13	Statistics for Economists	4	6	3	25	75	100
Elective-I	25PEEC12 25PEEC13 25PEEC11 25PEEC14	Any Two	3 3	5 5	3 3	25 25	75 75	100 100
Elective-II		Rural Economics						
		Regional Economics						
		Modern Economic Thought						
		Welfare Economics						
Total			20	30				

Course Structure

(For the Students admitted from the academic year 2025 – 26 onwards)

First Year – Semester- II

M.A., Economics

Part	Course Code	Title of the Course	Credits	Hours	Duration of ESE (Hrs.)	Marks Allotted		
						CIA	ESE	Total
Core– IV	25PMEC21	Monetary Economics	5	6	3	25	75	100
Core – V	25PMEC22	Labour Economics	5	6	3	25	75	100
Core– VI	25PMEC23	Mathematical Economics	4	6	3	25	75	100
EC – III	25PEEC22 25PEEC21	Any one 1. Urban Economics 2. Gender Economics	3	4	3	25	75	100
EC – IV	25PEEC23 25PEEC24	Any one 1. Resource Economics 2. Economics of Climate Change	3	4	3	25	75	100
SEC - I	25PSEC21	Social Ethics and Responsibilities	2	4	3	25	75	100
Total			22	30				
** SEC-Skill Enhancement Course			** CIA- Continuous Internal Assessment					
** EC -Elective Course			** ESE- End Semester Examination					

Course Structure

(For the Students admitted from the academic year 2025 – 26 onwards)

Second Year – Semester- III

M.A., Economics

Part	Course Code	Title of the Course	Credits	Hours	Duration of ESE (Hrs.)	Marks Allotted		
						CIA	ESE	Total
Core Paper – VII	25PMEC31	Advanced Macro Economics	5	6	3	25	75	100
Core Paper – VIII	25PMEC32	Public Economics	5	6	3	25	75	100
Core Paper – IX	25PMEC33	Research Methodology	4	6	3	25	75	100
Core Paper – X	25PMEC34	Econometric Methods	5	6	3	25	75	100
EC – V	25PEEC31 25PEEC32	1. Population Studies 2. Entrepreneurial Development	3	3	3	25	75	100
SEC - II	25PSEC31	Personality Development Facing of Interview in Private and Government Jobs	2	3	3	25	75	100
Internship	25PTEC31	Internship / Industrial Visit /Field Visit/Research – Knowledge Updation activity	2	--	--	40	60	100
Total			26	30				

Course Structure

(For the Students admitted from the academic year 2025 – 26 onwards)

Second Year – Semester- IV

M.A., Economics

Part	Course Code	Title of the Course	Credits	Hours	Duration of ESE (Hrs.)	Marks Allotted		
						CIA	ESE	Total
Core - XI	25PMEC41	International Economics	5	6	3	25	75	100
Core – XII	25PMEC42	Development Economics	5	6	3	25	75	100
Core – XIII	25PMECP1	Project with Viva – Voce	7	8	1.5	50	50	100
EC – VI	25PEEC41	Any one 1. Human Resource Development 2. Economics of Social Issues	3	5	3	25	75	100
	25PEEC42							
SEC - III	25PSEC41	Economics for Competitive Examinations	2	5	3	25	75	100
Extension Activity	25PEX41	Extension Activity	1	-	1.5	50	50	100
Total			23	30				
** SEC-Skill Enhancement Course			** CIA- Continuous Internal Assessment					
** EC –Elective Course			** ESE- End Semester Examination					

Semester - I
Advanced Micro Economics

Title of the Course	Advanced Micro Economics				
Course Type	CORE I				
Course Code	25PMEC11				
Year	I	Semester	I	Credits	5
Instructional Hours Per week	Lecture		Tutorial	Lab Practices	Total
	7		--	--	7

Learning Objectives

LO1 - To make the students to understand consumer behavior with the theories of Demand and Production.

LO2 - To elaborate various market structure and the theories of distribution

Unit – I **Consumer Choice**

Cardinal and ordinal utility - Indifference curve approach –Slutsky’s Decomposition of price effect into substitution effect and income effect –Consumer surplus - Marshall’s and Hicksian measures – Compensatory Demand Curve- Revealed Preference Theorem-and derivation of Marginal Utility schedule for money income.

Unit – II **Economics of Information**

Informational asymmetry -- Choice under Uncertainty - N-M Index – Inter- temporal choice -Market for lemons- Adverse selection – Insurance market and adverse selection – Solution to principal agent problem-Hidden action (Moral Hazard) – Signaling and Screening.

Unit – III

Market Structure Models

Perfect competition –Price and output determination–Optimum firm Monopoly– Short run and long run equilibrium–Price discrimination monopoly control, and regulation–Contestable Market- Monopolistic competition–Chamberlin Model-selling costs –Excess capacity–Oligopoly– Duopoly price game-dominant strategy-Nash Equilibrium Non-collusive Models-Cournot-Bertrand–Chamberlin – Edgeworth – Sweezy– Stackelberg-Oligopoly-Collusive Models –Cartels and mergers-Price leadership– Menopsony -Price and output under Menopsony.

Unit – IV

Alternative Theories of Firm

Full Cost Pricing Rule- Limits pricing theory- Bains Theory- Sylos- Labini Model- Modigliani's Models- Input-output model -Linear programming applications in decision making- Peak Load Pricing– Administered Pricing-Purchasing Power Parity Price.

Unit – V

Distribution Theories

Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; - Modern theory of distribution Factor Pricing in imperfect product and factor markets-Determination of Wages – Labour supply and wage determination – Role of trade unions and collective bargaining-Theories of Interest-Theories of Profit.

Text books

1. Jhingan M.L, (2004 Reprint) Advanced Economic Theory Vrindha Publications (P) Ltd., New Delhi.
2. Agarwal, H.S. Micro Economic Theory, (Ane's Books Pvt.Ltd.,) New Delhi.

Reference Books

1. HalR.Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)
2. Ruffin Roy.J (1992), Intermediate Micro Economics Harper &Collins Publishers
3. Koutsiyannis A. (1978), Modern Micro Economics, (Macmillan- London).

Web Resources

1. <http://open.oregonstate.education/intermediate-microeconomics/chapter/module-1>.
2. http://saylordotorg.github.io/text_introduction-to-economic-analysis/s16-monopoly.html
3. http://saylordotorg.github.io/text_introduction-to-economic-analysis/s17-Games-and-strategic-behaviour.html

Course Outcomes

CO1 - To illustrate and analyse the theories of consumer behaviour

CO2 - To illustrate and identify the choice under uncertainty.

CO3 -To compare how price and output is determined in different market Situations and evaluate the market structures

CO4 -To identify and examine the alternative theories of firms.

CO5 -To define, explain, and compare the theory of distribution

Mapping with Programme Outcomes

Co	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3.0	3.0	3.0	3.0	3.0

S-Strong (3) M-Medium (2) L-Level (1)

Indian Economic Development and Policy

Title of the Course	Indian Economic Development and Policy				
Course Type	CORE II				
Course Code	25PMEC12				
Year	I	Semester	I	Credits	5
Instructional Hours Per week	Lecture		Tutorial	Lab Practices	Total
	7		--	--	7

Learning Objectives

L01 - To provide a macroeconomic understanding of the Indian Economy.

L02 - The students become aware of various challenges of the Indian Economy.

Unit – I

Introduction

Growth and Structural Change Indian economy at Independence- The policy framework: statist policy, transition to market-oriented policy, role of erstwhile Planning Commission and NITI Aayog- Two phases of growth (1950- 1980 and 1980 onwards), factors underlying turnaround-Structural change in Indian economy.

Unit – II

Agricultural and Industrial Sector

Agricultural and Industrial Sectors-Agricultural Sector Performance of agricultural sector, factors determining agricultural growth - Factors underlying food inflation- Agricultural price policy and food security Industrial Growth - Industrial growth before and after reforms – Dualism in Indian manufacturing- Issues in performance of public sector enterprises and privatization.

Unit – III

Fiscal Developments

Fiscal Developments, Finance and External Sector Expenditure trends- GST: rationale and impact- Evolution of the financial sector in post-liberalization period- External sector performance: emergence of India as major exporter in services, performance of manufacturing sector.

Unit – IV

Poverty and Inequality

Poverty and Inequality - Measuring poverty in India: Selection of poverty lines- Poverty in pre and post liberalization periods-Impact of growth on poverty- PDS Vs cash transfers, feasibility of universal basic income in India- Inequality in India in pre and post liberalization periods.

Unit – V

Green Economy

Circular economy, Green GDP, carbon pricing, renewable energy economics, green jobs, environmental taxation, sustainable agriculture, green finance and investment, climate change economics, and the Sustainable Development Goals (SDGs).

Text books

1. Sundaram KPM., (2002), Indian Economy, 42 revised edition. S.Chand Publications
2. Misra, S, & Puri, V., (2020.), Indian Economy, Revised Edition. S. Chand Publications

Reference Books

1. Kaushik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi
2. Uma Kapila (Ed.) (2018), Indian Economy since Independence, Academic Foundation, New Delhi 29th Edition.
3. Ashima Goyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press.

Web Resources

1. <https://www.adb.org/countries/india/economy>
2. <https://www.oecd.org/economy/india-economic-snapshot>
3. <https://www.indiabudget.gov.in/economicsurvey/>

Course Outcomes

CO1 - Understand the Structural change in Indian economy

CO2 - Assess the Performance of agricultural and Industrial sector

CO3 - Ability to learn the trends in the economy

CO4 - Understand the Impact of Poverty

CO5 - Identify Social Issues like Unemployment, Gender disparities

Mapping with Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	2	3
Total	15	15	15	13	15
Average	3	3	3	3	2.6

S-Strong (3)

M-Medium (2)

L-Level (1)

Statistics for Economists

Title of the Course	Statistics for Economists				
Course Type	CORE III				
Course Code	25PMEC13				
Year	I	Semester	I	Credits	4
Instructional Hours Per week	Lecture	Tutorial	Lab Practices	Total	
	6	--	--	6	

Learning Objectives

LO1 -To provide a strong foundation in statistical concepts and develop skills in handling data

LO2 -The course facilitates to infer the intensity of relationship between multiple variables and build appropriate statistical models. The models thus developed can be tested for significance and can be used for forecasting.

Unit – I Probability and Probability Distributions

Introduction to Probability - Addition and Multiplication Theorems - Random Variables - Discrete and Continuous - Mathematical Expectations – Bayes’ Theorem - Probability Distributions-Binomial, Poisson and Normal.

Unit – II Sampling

Sampling - Types of Sampling - Sampling Distributions - Parameter and Statistic - Testing of Hypothesis – Null and Alternative Hypothesis - Type I and Type II Errors - Level of Significance - Standard Error –Properties of an ideal Estimator.

Unit – III Test of Significance; Large and Small Sample

Test of Significance for Large Samples - Test for Two Means and Standard Deviations - Proportions and Confidence Interval - Small Sample Test – t-test - Paired t-test - Chi-square Test - Test of Goodness of Fit.

Unit – IV Analysis of Variance

F test: Assumptions of ANOVA - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.

Unit – V Statistical Decision Theory

Decision Theory Concepts – Steps in Decision making Process - Maximin - Minimax criterion - Decision Tree Analysis - Advantages and Limitations.

Text books

1. Gupta S.P., Statistical Methods, Sultan Chand and Sons, New Delhi, 2017.
2. Anderson, Sweeney and Williams, “Statistics for Business and Economics”, C engage, 2014.

Reference Books

1. Aggarwal. Y.P (2002), “Statistics Methods Concepts Application and Computation”, Sterling Publishers Private Ltd., New Delhi.
2. Vittal P.R., Mathematical Statistics, Margham Publications

Web Resources

1. <https://www.statista.com>
2. <https://www.khanacademy.org/math/statistics-probability>
3. https://dss.princeton.edu/online_help/analysis/interpreting_regression.htm

Course Outcomes

CO1 - Summarise the basic Probability rules and understand theoretical Distributions.

CO2 - Acquire knowledge on the various sampling methods and testing Of Hypotheses

CO3 - Use t - test and chi-square for analysis

CO4 - Understand the importance of one and two way ANOVA

CO5 - Know the various Decision making tools available

Mapping with Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5
CO1	3	2	3	2	2
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	2	3	3	2	3
Total	14	13	15	13	14
Average	2.8	2.6	3	2.6	2.8

S-Strong (3) M-Medium (2) L-Level (1)

Rural Economics

Title of the Course	Rural Economics				
Course Type	Elective I				
Course Code	25PEEC11				
Year	I	Semester	I	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		5	--	--	5

Learning Objectives

LO1 - To understand rural economic development in India

LO2 - To know about the Rural Empowerment Programs initiated by Government of India.

Unit – I Introduction to Rural Economy

Meaning and objectives of Rural Economy – Characteristics of Rural Economy – Indicators of Rural Economics – Sustainable Development in Rural areas.

Unit – II Rural Resources and Rural development theories

Rural Resources: Nature, Types and Magnitude Rural Resources Management and Development - Application of Technology in Rural Development – Problems and prospects- W.W. Rostow’s - Lewis- Fei-Ranis and Gandhian Approach to Rural Development.

Unit – III Rural Demography and Occupational Structure

Demography: Population Size, Sex and Age Composition-Density of Population-Population Problems and Challenges – Family Welfare Measures in Rural India – Occupational Structure: Nature of Rural Occupations - Occupational Distribution in Rural India – The Concept of Work Participation Rates.

Unit – IV Rural Poverty and Unemployment

Rural Poverty: Meaning, Estimates, Causes and Consequences– Unemployment: Meaning, Types and Magnitude of Rural Unemployment - Causes and Consequences – National Programmes for Rural Development - Community Development Programmes and Employment Guarantee Schemes.

Unit – V Rural Empowerment Programmes

Bharat Nirman, Provisions of Urban Amenities in Rural Area (PU RA), Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) - Agencies for Rural Development: Government, Semi- Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.

Text books

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
2. Duttand Sundaram - Indian Economy, S.Chand Publications, New Delhi, 2013-07-02

Reference Books

1. Singh, K., & Shishodia, A. (2016). Rural development: Principles, policies, and management. SAGE Publishing India.
2. Hoff, K., Braverman, A., & Stiglitz, J.E. (1993). The economics of rural organization. Oxford: Oxford University Press.
3. Hill, B., & Ray, D. (1987). Economics for agriculture: food, farming and the rural economy. Basingstoke, UK: Macmillan Education.

Web Resources

1. <https://www.kobo.com/us/en/ebooks/public-finance>
2. <https://www.amazon.in/public-finance-ambar-ghosh-ebook/dp/B07W5F2P1Q>
3. https://www.niti.gov.in/sites/default/files/202108/11_Rural_Economy_Discussion_Paper_0.pdf

Course Outcomes

CO1 - To label and interpret the nature and scope of rural economics.

CO2 - To define and demonstrate the theories of rural development and rural resources

CO3 - To recall, outline and determine rural demography and occupation structure

CO4 - To organize, examine and evaluate rural poverty and unemployment.

CO5 - To summarize, develop and explain the rural empowerment programs.

Mapping With Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3.0	3.0	3.0	3.0	3.0

S-Strong (3) M-Medium (2) L-Level (1)

Modern Economic Thought

Title of the Course	Modern Economic Thought				
Course Type	Elective I				
Course Code	25PEEC13				
Year	I	Semester	I	Credits	3
Instructional Hours Per week	Lecture	Tutorial	Lab Practices	Total	
	5	--	--	5	

Learning Objectives:

1. To trace the ideas of Modern Economists
2. To understand the contribution of the Economists.

Unit I: Classical Economic Thought

Economic ideas of Irving Fisher –The Quantity theory of Money- Theory of Interest. Joseph Alois Schumpeter - Method of Study –Deductive Method –Inductive Method-Theory of Economic Development- Role of Entrepreneur – Innovation-Business Cycles – Capitalism and Socialism . J.K. Galbraith – The objective of Economic Progress- Concept of Countervailing Power.

Unit II: Neo Classical Economic Thought

Ragnar Nurske – Foreign Resources – Capital Formation –Disguised Unemployment ,Mrs- Joan Robinson –Imperfect Competition – F.Y .Edgeworth –Mathematical Economic Analysis –Three Dimensional Utility

Unit III: Keynesian Economic Thought

Lord Lionel Robbins – Definition of Economics-Causes of Depression -Milton Friedman – Quantity Theory of Money –Permanent Income Hypothesis, Friedman and Savage Hypothesis , Paul A.Samuelson –Impact of Keynesian Economics –Revealed Preference Theory –Business Cycles –Social Welfare Function-Samuelson’s Utility Possibility Approach

Unit IV: Post Keynesian Economic Thoughts

Ideas of Modern Indian Economists-R.K.Mukerjee- Institutional theory of Economics- Regional Economics - Ecological Theory of Population -Planning in India, J.K.Mehta – Static and Dynamic Economics -Economics of Welfare -Economics of Growth and Development- Economics of Fast

Unit V:Indian Economists

C.N.Vakil -Planning- Wage -Goods Model-Role of Technological Progress-Poverty -Deficit Financing and Public Expenditure, V.K.R.V.Rao -Economic Activities -Institutional Development-Deficit Financing-Fiscal Policy-Human Factor in Economic Growth-Amartya Kumar Sen – Poverty and Famine ,Poverty and Inequality-Concept of Capability-Entitlement -Choice of Techniques.

Text Books:

1. Dr.U.C.Kulshrestha (1994),History of Economic Thought ,Lakshmi NarainAgarwal
2. Dr.S.Sankaran (2006) ,A History of Economic Thought ,Margham Publications

Reference Books:

1. Eric Roll (1956) A History of Economic Thought ,PrenticeHall,Inc,U.S.A,
2. Dr.PankajSrivastava (2018) Economic Thinkers , DND Publications ,Jaipur
3. M.L.Jhingan,M.Girija and L.Sasikala (2011),History of Economic Thought, Vrindha Publications

Web Resources:

1. https://ebrary.net/112930/history/a_brief_history_of_economic_thought
2. <https://www.exploring-economics.org>
3. <https://www.econlib.org>

Course Outcomes

Co.No	on completion of this Course, the students will be able to
CO1	Understand modern economic concept of role of Entrepreneur Innovation, Business Cycles and Capitalism and Socialism.
CO2	Ability to understand about Capital Formation, Disguised Unemployment Imperfect Competition and Mathematical Economic Analysis
CO3	Understand the ideas of Permanent Income Hypothesis, Revealed Preference Theory, Social Welfare Function and Samuelson's Utility Possibility Approach
CO4	Gain knowledge about the ideas of Modern Indian Economists-Regional Economics, Ecological Theory of Population - Economics of Growth and Development-Economics of Fast
CO5	Understand economic ideas like role of Technological Progress-Poverty - Deficit Financing and Public Expenditure, Human Factor in Economic Growth and Inequality and Concept of Capability

Mapping with Programme Outcomes

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3	3	3	3	3

S-Strong (3) M-Medium (2) L-Level (1)

Regional Economics

Title of the Course	Regional Economics				
Course Type	Elective II				
Course Code	25PEEC12				
Year	I	Semester	I	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		5	--	--	5

Learning Objectives

LO1 - To equip the analytical skills required to analyse the regional economic issues

LO2 - To understand Regional economic growth in India

Unit – I Introduction to Regional Economics

Nature and scope of regional economics – Regional economics and regional science –Regional and Urban Economics: Need for a separate study of regional economics – Concept and types of regions: Administrative, Planning, Agro-climatic

Unit – II Approaches to regional growth

Approaches to regional growth: Models of regional, inter-regional and multi-regional models; Export base models–Location Theory Gravity models– Shift-share analysis

Unit – III**Theories of regional economic growth**

Neo-classical models –Dualistic models: Social dualism–Labour surplus model of Arthur Lewis- Migration and development: Harris –Todaro – Core- Periphery models: Myrdal’s Cumulative Causation Hypothesis – Regional Input- output models - New Economic Geography models: Paul Krugman’s model of industrial location and development.

Unit – IV**Regional economic growth in India**

Administrative regions in India: State, District, Taluk and Village; Urban and Rural regions - Concept, definition and measure of State Income (GSDP) – Rural and urban GDP –Differences in estimation of national income (GDP) and State Income (GSDP) - Measurement of inter-regional economic growth at State level

Unit – V**Regional Aspects of Stabilization and Growth Policy**

Post-war Regional Cyclical Behaviour and Policy Measures for Stabilization, Theories to Explain Regional Differences in Growth, Fiscal Programmes, Tax and Transfer Programmes, Fiscal –Responses of Power level Government, Regional organisation to Policy programmes and Central Responsibility.

Text books

1. Capello Roberta. (2016). Regional Economics. Routledge (New York).
2. Temple, M. (1994).Regional economics. St. Martin's Press

Reference Books

1. Harry W Richardson (1973): Regional Growth Theory, Macmillan.
2. Harry W. Richardson. (1970).Elements of Regional Economics. Penguin Books (New York).
3. Harry W. Richardson (1969): Regional Economics: Location theory, Urban structure and regional change, Widen field & Nicolson (London)

Web Resources

1. <http://www.rri.wvu.edu/WebBook/Giarratani/contents.htm>
2. <https://ddceutkal.ac.in>› Syllabus› MA_ Economics
3. <https://researchrepository.wvu.edu>› cgi› view content

Course Outcomes

CO1 - Understand the Nature and scope of regional economics and its need.

CO2 - Discuss the Models of regional, inter-regional and multi-regional models

CO3 - Evaluate the various theories of regional economic growth

CO4 - Describes the Measurement of interregional economic growth at State level

CO5 - Apply Regional Aspects of Stabilization and Growth Policy

Mapping with Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	3	2
CO2	3	2	2	3	2
CO3	3	2	3	2	2
CO4	3	3	3	2	3
CO5	3	2	2	2	3
Total	14	12	14	14	12
Average	2.8	2.4	2.8	2.8	2.4

S-Strong (3)

M-Medium (2)

L-Level (1)

Welfare Economics

Title of the Course	Welfare Economics				
Course Type	Elective II				
Course Code	25PEEC14				
Year	I	Semester	I	Credits	3
Instructional Hours Per week	Lecture	Tutorial	Lab Practices	Total	
	5	--	--	5	

Learning Objective:

1. To enable students to understand the fundamentals as well as development in the field of Welfare Economics.
2. To show the importance of welfare Economics compared to that of wealth Economics

Unit 1: Introduction to Welfare Economics

Welfare Economics: Meaning- Concepts: Individual and Social Welfare- Value Judgments- Preferences and Utility - Utility function: Properties - Interpersonal comparisons of utility: degrees of interpersonal comparability. –Social Welfare Function: –Bentham’s Utilitarianism- Pigouvian Welfare Economics.

Unit II: Approaches to Welfare

Cardinal and Ordinal Approaches- Hicks’s Four Measures of Consumers’ Surplus- Partial and General Equilibrium- Edgeworth Box Diagram- General Equilibrium of Production and Exchange.

Unit III: Pareto Optimality Conditions

Pareto-Optimality Criterion -Definition-Marginal Conditions of Pareto Optimum – Perfect Competition and Pareto Optimality- Exceptions –Externalities – Public Goods and Market Failure – Theory of Second Best.

Unit IV: New Welfare Economics

New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve

-Shortcomings – Scitovsky Paradox – Scitovsky's Double Criterion of Welfare– Little's Criterion.

Unit V: Theories of Social Choice

Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow's Impossibility Theorem –Amartya Sen and Capability Theorem – Rawls Theory of Social Justice

Text Books

1. Verma K.N (2012) Microeconomic Theory ,Vishal Publishing House
2. Per –Olov Johansson(2009) An introduction to Modern Welfare Economics, Cambride University Press

References

1. Arrow, Kenneth J (1963) Social Choice and Individual Values, Cowles Foundation Monograph 12, 2nd ed. Yale University
2. Bossert, Walter and Kotaro Suzumura (2010) Consistency, Choice and Rationality, Harvard University Press: Cambridge MA
3. Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.

Web Resources

1. <https://conceptually.org/concepts/pareto-principle>
2. <https://web.stanford.edu/~jdlevin/Econ 202/General Equilibrium.pdf>
3. <https://policonomics.com/lp-welfare-economics1-general-equilib...>

Course Outcomes

Co No	on Completion of this course, the students will be able to
CO1	Summarize the Contribution to Welfare Economics
CO2	Analyse the different approaches to Welfare Economics
CO3	Interpret the development of Pareto Optimality Conditions
CO4	Explain the compensation Criteria of Economics
CO5	Evaluate theories of Social Choice.

Mapping with Programme Outcomes

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	2	3	2	3	2
CO3	3	3	2	3	2
CO4	2	3	2	3	2
CO5	2	3	2	3	3
Total	12	15	10	15	12
Average	2.4	3	2	3	2.4

S-Strong (3) M-Medium (2) L-Level (1)

Semester - II
Monetary Economics

Title of the Course	Monetary Economics				
Course Type	Core IV				
Course Code	25PMEC21				
Year	I	Semester	II	Credits	5
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	The course is devoted to the main issues in modern monetary economics.
LO2	The factors behind money demand and supply are studied through these of comprehensive monetary models.

Unit	Contents
I	Classical Theories of Money Demand for Money Quantity theories of money – Fisher and Cambridge- Keynesian monetary theory- James Tobin’s portfolio analysis of money demand- Don Patinkin’s Integration– Real Balance Effect- Milton Friedman’s reformulated quantity theory.
II	Supply of Money Types and determinants of money supply – money multiplier- Theories of interest rate – classical – Keynes – Hicks – Hansen.
III	Money and Capital Market Nature and characteristics- Significance and functions of Money market ,capital market- Role of financial intermediaries – Effects of financial intermediation- Non-banking financial institutions – Gurley and Shaw theory.
IV	Banking and its functions Functions of Commercial banks–Role of Commercial banks after nationalization – after reforms- Role of RBI – Regulation of money supply and credit- Narasimham Committee Reports– 1991 and 1998- Raguram Rajar Committee Report -2007.
V	Monetary Policies Objectives and Instruments of Monetary policy– Limitations of monetary policy- Monetarism vs Keynesianism – Comparison – Supply side policies.

Text books	
1.	Bain, Keith and Howells, Peter: Monetary Economics: Policy and its theoretical Basis, Palgrave Macmillian, 2nd Edition, 2009
2.	Mishkin.S. Frederic-The Economics of Money, Banking and Financial Markets, Pearson Publication, 11th Edition, 2015

Reference Books	
1.	Jhingan, M.L. (2005), Monetary Economics [Konark Publication, New Delhi].
2.	Sundaram, K.P.M. (2003), Money, Banking and International Trade [Vikas, New Delhi].
3.	Vaish, M.C. (2004), Money, Banking and International Trade [New Age International, New Delhi].

Web Resources	
1.	https://www.amazon.in/Handbook-Monetary-Economics- Benjamin-Friedman-ebook/dp/B00EXOTZ96
2.	https://link.springer.com/book/10.1057/9780230280854
3.	https://www.rbi.org.in/scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	To list out and outline the theories of money.
CO2	To explain construct and distinguish various determinate of money supply and multiplier.
CO3	To label, explain and evaluate the capital market.
CO4	To define, illustrate and importance of banking sector.
CO5	To interpret and make use of monetary policy.

Mapping With Programme Outcomes					
CO No	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3.0	3.0	3.0	3.0	3.0

S-Strong (3) M-Medium (2) L-Low (1)

Labour Economics

Title of the Course	Labour Economics				
Course Type	Core V				
Course Code	25PMEC22				
Year	I	Semester	II	Credits	5
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	To enable and acquire the knowledge there lasting to the significance of labour market
LO2	To understand the manpower in Economic Development

Unit	Contents
I	Labour Market and Policies Nature and Characteristics of labour market Demand for Labour in relation to size and pattern of investment, Choice of technologies and labour policies Supply of Labour, Growth of Labour Force, Labour Market Policies, Mobility and Productivity
II	Employment and Wage Determination Employment and Development relationship- poverty and unemployment: concepts and measurement, Employment Policy Wage Determination- Classical, Neo-classical and Bargaining theories; Concepts of minimum wage and efficiency wage; Non-wage component
III	Trade Union Movement Since Independence and Present Scenario of the Trade Union Movement – AITUC – INTUC – HMS – UTUC – Association of Indian Trade Unions with International Trade Unions – Problems of Trade Unions – Essentials for success of a Trade Union - The Trade Union Act, 1926- Recent policies relating to Trade union act
IV	Industrial Relation Need for Industrial Relation Machinery- Preventive and Curative methods- Collective Bargaining, Arbitration and Adjudications- industrial Democracy, the concept of Workers participation in management- Role of State in Industrial Relations.
V	Social Security and Reforms Concepts and evolution, Social assistance and insurance, Review and Appraisal of State Policies, Special Problems- Child labour, discrimination, bonded labour- Labour market Reforms- Exit Policy, safety requirements, National Commission on Labour, Globalisation and labour markets, migration of labour.

Textbooks	
1.	Pant C. (1978), Indian Labour Problems, (Allahabad, Chaitany a Publishing House)
2.	Singh S.S., and Metha S. (1989), Labour Economics, (Ajanta Prakasham New Delhi).

Reference Books	
1.	Tyagi P.B. (1995), Labour Economics and Social welfare, (Jaiprakash Nath & Co. Meerut),
2.	Baholiwal T.N. (1981), Economics of Labour and Industrial Relations, (Sahity Bhawan, Agra).
3.	Giri V.V. (1985), Labour Problems in Indian Industry (Asia Publishing House, Bombay).

Web Resources	
1.	https://fac.ksu.edu.sa/sites/default/files/Moder..
2.	http://students.aiu.edu/resources/onlineBook/q...
3.	http://assets.vmou.ac.in/PGDLL06

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	Study there cent trends of labour and their productivity
CO2	Assess the determination of employment and wages
CO3	Understand the trade unions and their impaction labour market
CO4	Evaluate the Industrial relation
CO5	Analyze the current trends of social security measures

Mapping With Programme Outcomes						
CO/PO	PO1	PO2	PO3	PO4	PO5	PSO6
CO1	2	3	3	3	2	3
CO2	2	3	2	3	2	3
CO3	3	2	3	2	3	3
CO4	2	2	3	2	3	3
CO5	3	2	3	2	3	2
Total	12	12	15	14	13	14
Average	2.4	2.4	3	2.8	2.6	2.8

S-Strong (3) M-Medium (2) L-Low (1)

Mathematical Economics

Title of the Course	Mathematical Economics				
Course Type	Core VI				
Course Code	25PMEC23				
Year	I	Semester	II	Credits	4
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	The paper aims to introduce students to the basic building blocks of mathematical analysis used in modern economic theory.
LO2	To equip the students with mathematical tools and to optimize both static and dynamic economic environment.

Unit	Contents
I	Introduction to Linear Algebra Sets-Basic concepts-Ordered sets-Relations-Order relations-Metric Spaces-open and closed sets- Convergence - Linear Algebra , Vectors, matrices, inverse, simultaneous linear equations, Cramer's rule for solving system of linear equations, input-output model, Hawkins - Simon condition, open and closed models , quadratic equation, characteristic (eigen) roots and vectors
II	Differential Calculus Introduction to Functions, Limits and Continuity, Derivatives –Concept of maxima& minima, elasticity and point of inflection. Profit & revenue maximization under perfect competition, under monopoly. Maximizing excise tax revenue in monopolistic competitive market, Minimization of cost etc.
III	Optimization Techniques with Constraints Functions of several variables, Partial and total, economic applications, implicit function theorem, higher order derivatives and Young's theorem, properties of linear homogenous functions, Euler's theorem, Cobb – Douglas Production Function - Constrained Optimization- Lagrangian Multiplier Technique- Vector and Matrix Differentiation -Jacobian and Hessian Matrices- Applications-Utility maximization, Profit maximization and Cost minimization.
IV	Linear and Non-Linear Programming Optimization with Inequality Constraints- Linear Programming– Formulation- Primal and Dual- Graphical and Simplex method-Duality Theorem-Non-Linear Programming-Kuhn-Tucker Conditions- Economic Applications.
V	Economic Dynamics Differential Equations-Basic Ideas-Types-Solution of Differential Equations (Homogenous and Exact) - Linear Differential Equations with Constant Coefficients (First and Second Order)- Applications- Solow's Model- Harrod - Domar Model- Applications to Market models- Differential Equations - Types-Linear Differential Equations with Constant Coefficients (First and Second order) and solutions – Applications- Samuelson's Accelerator-Multiplier model- Cobweb model.

Textbooks	
1.	Geoff Renshaw,(2016)MathsforEconomics,4EOxfordUniversityPress.
2.	Mabbet A J(1986) Workout Mathematics for Economists, Macmillan Master Series, 4 th Edition London.
Reference Books	
1.	Carter,M.(2001).Foundations of Mathematical Economics, MIT Press.
2.	Chiang, A. C. and Wainwright, K. (2005). Fundamental Methods of Mathematical Economics, McGraw-Hill Education.
3.	Dowling E.T.,Mathematics for economists, Schaum Series (latest edition).
Web Resources	
1.	https://www.udemy.com/course/mathematics-for-economists-functions-and-derivatives/
2.	https://www.classcentral.com/course/swayam-mathematical-economics-14187
3.	https://www.coursera.org/learn/introduction-to-calculus

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	Understand the mathematical structure of standard economic theoretical frame work
CO2	Equip students with mathematical tools to solve optimization problems appear in economic theory
CO3	Equip students with tools to read the technical writing appear in standard economic journals
CO4	Analyse the dynamics of macro economic policies in an economy
CO5	Analyse mathematically the dynamics of the growth process in an economy

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3	3	3	3	3

S-Strong (3) M-Medium (2) L-Low (1)

Urban Economics

Title of the Course	Urban Economics				
Course Type	Elective - III				
Course Code	25PMEC22				
Year	I	Semester	II	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		4	--	--	4

Learning Objectives	
LO1	To equip with theory and measurement of urban economic growth and Development, spatial structure of cities and urbanization.
LO2	The course outlines the issues of urban poverty and its impact on urbanization

Unit	Contents
I	<p>Introduction Definition and Scope of Urban Economics - Sources of Urban Growth – International migration, Trends in growth of urban population in the world - Urban reclassification and physical expansion of urban boundaries – Urbanization and agglomeration economies – industrialization and service sector growth –Urbanization and urban economic growth – Urbanization and globalization.</p>
II	<p>Economics of Urbanization The Process of urbanization: Nature and dimensions, factors initiating and perpetuating urbanization process - Characteristics of an economy passing through different stages of urbanization -Classification of urban areas by demographic, geographical and economic criteria- Process of sub-urbanization</p>
III	<p>Theories of Urban Growth and spatial structure Christaller’s Central Place Theory - The Human Ecological Approach to Urban Growth - Urban Size: Ratchet-Rank Size Rule - Migration and urban economic growth: Harris-Todaro Model – Concepts of City Structure - The Minimization of Costs of Friction Hypothesis - Location Equilibrium of an Urban Firm - The Concentric Zone Hypothesis - Urban Residential Land Use Models: Alonso, Muth, Siegel, Park Burgess.</p>
IV	<p>Urbanization and Labour Market Urbanisation and Labour Market - Pull and Push Factors for Urbanisation in India - High Wages and Improved Infrastructure - Employment Opportunities and Educational facilities – Growth of formal and Informal economic activities - Labour Force Participation and Distribution of Workers</p>
V	<p>Urban Problems and Urban Planning Over Population and congestion - Urban housing problem - Urban environment: Air, Water and Noise Pollution - Urban poverty and inequality – Urban Infrastructure: transport Water Supply, Sanitation and Solid waste management-Need for Urban Planning: Objectives And Techniques – Emerging Planning Process –Comprehensive Development Plan –Master Plan – Jawaharlal Nehru National Urban Renewal Mission - Smart Cities</p>

Text books	
1.	Shukla, V. (1996) Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd (New Delhi).
2.	Robert L Bishand Hugh ON course (1975), Urban Economics and Policy Analysis, McGraw Hill Koga kusha Ltd (Tokyo).
Reference Books	
1.	O'Sullivan (2012), Urban Economics, McGraw Hill Higher Education (Boston).
2.	Edwin S. Mills. (1987). Hand book on Regional and Urban Economics, Volume 2: Urban Economics. North-Holland (Amsterdam).
3.	Duranton, G., & Strange, W.C. (1986). Hand book of regional and urban economics: applied urban economics (Vol. 3). Elsevier.
Web Resources	
1.	bfm:978-1-349-15661-0>1.pdf">https://link.springer.com>bfm:978-1-349-15661-0>1.pdf
2.	Urban_economics_Arthur_O...">https://www.academia.edu>Urban_economics_Arthur_O...
3.	show>book>regional-a...">https://www.ysk-books.com>show>book>regional-a...

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	Understand scope of urban economics and urban economic growth
CO2	Describe the process of urbanization and classification of urban areas
CO3	Evaluate the various theories of urban growth and spatial structure
CO4	Explain the urban Labour Market, Labour Force Participation and Distribution of Workers
CO5	Familiarize the urban problems and planning process.

Mapping With Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5	PSO6
CO1	2	3	3	3	2	3
CO2	3	3	3	3	2	3
CO3	3	2	3	2	2	3
CO4	3	2	2	2	3	3
CO5	3	2	2	2	3	3
Total	14	12	13	14	12	15
Average	2.8	2.4	2.6	2.8	2.4	3

S-Strong (3) M-Medium (2) L-Low (1)

Gender Economics

Title of the Course	Gender Economics				
Course Type	Elective - III				
Course Code	25PEEC22				
Year	I	Semester	II	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		4	--	--	4

Learning Objectives	
LO1	To evaluate sources of socio-economic and demographic information for analyzing the impact of the gender factor on demographic processes and economic development
LO2	It enables to foresee the contributions of women as active economic agents and strategies to empower women and reduce gender inequalities.

Unit	Contents
I	Introduction Definition- Objectives of Gender Studies - Importance of gender Studies -Women and work: unpaid, underpaid and casual work - Women in primary, secondary and tertiary sectors - Classification of work in Indian census and NSSO – Main workers, marginal workers, non- workers - Invisibility of women's work, problems in measurement - Non-recognition of women's work in national income accounting.
II	GENDER INEQUALITY IN LABOR MARKET Segmented Labor Market and Occupational Segregation - Gendered jobs and Social Inequality - Sex Segregation at Work Place - Globalisation and its impact on gender - Issues of wage discrimination and exploitation in unorganised sector - Women's participation in organised sector - Gender Discrimination - Gender issues at the work place
III	SOCIAL EMPOWERMENT Women in Higher Education - Gender issues in Health, Environment, Family welfare Measures - Indecent representation of Women in media - Women in Difficult circumstances; Constitutional.
IV	ECONOMIC EMPOWERMENT Introduction - organized sector, unorganized sector - Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes - Status of Women farmers and land rights - Women Entrepreneurs - Impact of Globalization on working women - National Policy for the empowerment of women 2001.

V	<p style="text-align: center;">SOCIAL ISSUES AND WOMEN IN INDIAN PLANNING</p> <p>Issues in the Unorganized sector of Employment - Women's work: Status and problems - problems of Dalit women - Invisibility of women in official data system - Absence of gender disaggregated data - Initiatives towards recognition of women as agents of development from sixth five year plan.</p>
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Text books	
1.	Eswaran.M (2014). Why gender matters in economics. Princeton University Press.
2.	Becchio, G. (2019). A History of Feminist and Gender Economics. Routledge.
Reference Books	
1.	Humphries, J. (1995). Gender and economics. Edward Elgar Publishing.
2.	Dijkstra, G., &Plantenga, J. (2013). Gender and economics: a European perspective. Routledge
3.	Negra, D., &Tasker, Y. (2014). Introduction. Gender and recessionary culture. In Gendering the Recession (pp. 1-30). Duke University Press.

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	Understand the Gendered jobs and Social Inequality
CO2	Describes the Issues of wage discrimination and exploitation in unorganized sector
CO3	Explain the Gender issues in Health, Environment, Family welfare Measures
CO4	Evaluate the Impact of Globalization on working women and National Policy for the empowerment of women 2001
CO5	Assess the Initiatives towards recognition of women as agents of development from sixth five year plan

Mapping With Programme Outcomes						
CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	2	2	2	3	2	3
CO3	3	2	3	3	2	3
CO4	2	2	2	2	3	3
CO5	3	2	3	2	3	2
Total	12	11	14	15	12	14
Average	2.4	2.2	2.8	3	2.4	2.8

S-Strong (3) M-Medium (2) L-Low (1)

Resource Economics

Title of the Course	Resource Economics				
Course Type	Elective - IV				
Course Code	25PEEC23				
Year	I	Semester	II	Credits	3
Instructional Hours Per week	Lecture	Tutorial	Lab Practices	Total	
	4	--	--	4	

Learning Objectives	
LO1	To trace the resources in the country
LO2	To understand the quality of the available natural resources.

Unit	Contents
I	Introduction Land Resources in India - Types of soil- Land resource Classification - Forest ,Barren land, Pastures and grazing land, cultural Waste Land, Fallow Land, Agricultural Land –Net Sown Area - Land degradation and soil Erosion-Preventive Measures.
II	Role of Resources in Economic Development Forest Resources-Role of Forests in Economic Development-Forest cover in India-Deforestation-Effects of Deforestation-Urban Forestry - Objectives of Urban Forestry- Social Forestry-Constraints in Social Forestry - Collective Participatory Forest Management – Recent National Forest Policy Act
III	Water Resources in India Water Resources in India -Surface Water –Ground Water –Water Demand and Utilisation- Water Resource Planning- Multi –objective Approach-Benefit Cost Ratio-Capital outlay- Environmental Impact Assessment (EIA)- Manageability of the project-Sustainable Water Management-Recent National Water Policy
IV	Mineral Resources Mineral Resources- Metallic Minerals-Non Metallic Minerals –Mineral Fuels- Environmental Costs of Extracting Mineral Resources-Environmental Impacts of Mineral Resource Extraction and Use-Mineral Conservation and Development Rules (1988)
V	Conservation and Management of Natural Resources Conservation and Management of Natural Resources - Meaning and objectives of Conservation. Conservation of Renewable Resources: Soil conservation- Water conservation- Forests conservation-Fish Conservation- Biodiversity Conservation. Conservation of Non Renewable Resources: Energy Conservation-Mineral Conservation

Recommended Text	
1.	M.L.Jhingan, Chandar K. Sharma (2007) Environmental Economics Theory, Management and Policy, Vrindha Publications, New Delhi
2.	G.Paneerselvam (2008) Economics of Natural Resources in India, Abhijeet Publications, New Delhi

Reference Books	
1.	Jon .M. Conrod (2010), Resource Economics , Cambridge University Press, U.K
2.	John C. Bergstrom & Alan Randall (2010), Resource Economics –An Economic Approach to Natural Resource and Environmental Policy, Edward Elgar Pub, Ltd
3.	Judith Rees (2019) Natural Resources Allocation Economics and Policy, Routledge, UK
Web Resources	
1.	https://www.india.gov.in/topics/environment-forest/natural-resources
2.	https://ibm.gov.in/writereaddata/files/09182018162439Mineral%20Scenario%20pdf.pdf

Course Outcome

Co No	On Completion of this Course, Students will be able to
CO1	Ability to understand land resources in India and the issues related to it
CO2	Assess the availability of Forest resources and understand the methods to conserve the resources
CO3	Understand the water resources in the country and related environmental issues
CO4	Trace the mineral resources in the country
CO5	Ability to know about conservation of Natural Resources

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3	3	3	3	3

S-Strong (3) M-Medium (2) L-Low (1)

Economics of Climate Change

Title of the Course	Economics of Climate Change				
Course Type	Elective - IV				
Course Code	25PEEC24				
Year	I	Semester	II	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		4	--	--	4

Learning Objectives	
LO1	The objective of this course is to analyses climate change from an economic perspective.
LO2	The problem is characterized as one of regulating a global stock externality in an inter temporal setting and in the presence of uncertainty and irreversibility.

Unit	Contents
I	Introduction Science of climate change; global and regional climate predictions; uncertainty in science; physical impacts of climate change – agriculture, sea level rise, health, extreme events; policy debate.
II	CLIMATE CHANGE POLICY - MITIGATION Efficiency, public goods, externalities; environmental policy instruments – emissions trading, carbon tax, emission trading versus tax; stock pollutants and discounting; decisions under risk and uncertainty
III	INTEGRATED ASSESSMENT Costs and benefits of greenhouse gas mitigation; integrated assessment models; simulation exercises based on DICE model and its variants; sensitivity and uncertainty analysis; Stern review.
IV	CLIMATE CHANGE POLICY - ADAPTATION Climate change impact assessment – applications for agriculture, sea level rise and health; vulnerability assessment; economics of adaptation; measurement of adaptation cost; issues in financing adaptation
V	CLIMATE CHANGE NEGOTIATIONS AND EQUITY Criteria for distribution of emission reduction burden; distribution criteria for adaptation fund; inter and intra-generational equity issues; discounting in climate change context

Recommended Text	
1.	Perman, R., Ma. Y., Common, M., Maddison, D., Mcgilvray, J., Natural Resource and Environmental Economics, Pearson Education Limited, 2011 (4th Edition).
2.	Intergovernmental Panel on Climate Change – Fifth Assessment Report, 2011 Stern, N., The economics of climate change – The Stern Review, Cambridge University Press, 2006.

Reference Books	
1.	Ackerman, E. Stanton: Climate Economics: State of the Art. Routledge (2013)
2.	W. Nordhaus: A Question of Balance. Yale University Press (2008)
3.	D. Acemoglu, P. Aghion, Leonardo Bursztyn, D Hemous. (2012). —The environment and directed technical change, American Economic Review, 102(1): 131-166.
Web Resources	
1.	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj
2.	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj-

Course Outcome

Co No	On Completion of this Course, Students will be able to
CO1	To define and explain the science of climate change.
CO2	To explain and identify the climate change policy
CO3	To illustrate and analyses the integrated assessment of climate Changes.
CO4	To classify, compare and evaluate climate change impact Assessment.
CO5	To estimate and illustrate the climate change negotiations and Equity.

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3	3	3	3	3

S-Strong (3) M-Medium (2) L-Low (1)

Social Ethics and Responsibilities

Title of the Course	Social Ethics and Responsibilities				
Course Type	Skill Enhancement Course - I				
Course Code	25PSEC21				
Year	I	Semester	II	Credits	2
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		4	--	--	4

Learning Objectives	
LO1	To understand the importance of Ethical Values
LO2	To equip the students with social responsibilities

Unit	Contents
I	Introduction Social Ethics – Definition - -Ethical Model: Golden Rule Model and Kantian Model- Ethical Decision-making, Ethical Dilemmas in Organization Corporate Governance- Types of Ethical Issues - Theft – Bribery and Corruption - Exploitation of Employees – Discipline –Whistle Blowing.
II	Work place and Professional Ethics Ethical Issues in Workplace- Types - Accountability – Employee Favoritism -Bad Leadership Behavior- Gender Ethics- Sexual Harassment and Discrimination.
III	Social Responsibility of Business Social Responsibility of Business – Share holders- Employees- Customers – Community and Government - Corporate Social Responsibility Initiatives - Dimensions-Ethics of Environment Protection & Pollution Control.
IV	Social Inclusion Meaning of Social Inclusion and Exclusion – Dimensions of Social Inclusion- Gender Inclusion and Equality
V	Opportunities for Disabled Mainstreaming Disability- Provision of Employment Opportunities for disabled – Indian Government Schemes – Ministry of Social Justices and Empowerment

Textbooks	
1.	Jenny Teichman (1996) Social Ethics A Student's Guide Wiley Blackwell
2.	John S. Feinburg and Paul D. Feinburg (2010) Ethics for a Brave New World, Crossway

Reference Books	
1.	Denis Collins and Patricia Kanashiro (2017) Business Ethics: Best Practices for Designing and Managing Ethical Organizations SAGE Publications, Inc; Third edition
2.	William H. Shaw (2016) Business Ethics: A text book with Cases Cengage Learning
3.	Govindarajan M., Senthilkumar M. S. Natarajan (2013) Professional Ethics and Human Values, PHI

Web Resources	
1.	https://pachamama.org/social-justice/social-responsibility-and-ethics
2.	http://www.fimt-ggsipu.org/study/bbabi310.pdf
3.	https://www.socialworkers.org/About/Ethics/Ethics-Education-and-ResourcesCourse

Course Outcomes

Co No	On Completion of this Course, Students will able to
CO1	Understand the importance of Ethics and outlining the various types of Ethical Issues in an organization
CO2	Categories the ethical issues in the workplace
CO3	Evaluate the need for Corporate Social Responsibility
CO4	Design Policies for Social inclusion know various schemes for disabled

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3	3	3	3	3

S-Strong (3) M-Medium (2) L-Low (1)

Advanced Macro Economics

Title of the Course	Advanced Macro Economics				
Course Type	Core VII				
Course Code	25PMEC31				
Year	II	Semester	III	Credits	5
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	This course on macroeconomics intends to make the students understand the working of the economy as a whole, integrating the different markets.
LO2	This course also gives the Classical and Keynesian perspectives on the economic factors affecting an economy's general equilibrium.

Unit	Contents
I	Classical, Keynesian and Post Keynesian Macroeconomics Classical Theory of Output and Employment- Full employment equilibrium- AD- AS Model- Keynesian Theory of Output and Employment- Under employment equilibrium - Effective Demand-Hicks Hansen IS-LM- BP Model.
II	The New Classical Macroeconomics Assumptions of Rational Expectation Hypothesis- Policy Ineffectiveness Theorem- Aggregate supply hypothesis- Policy implications of new classical Approach- Source of Productivity shocks in Real Business Cycle Theory- Stabilization Policy and Unemployment-Role of money in Real Business Cycle Theory'- Policy implications of real business cycle theory- DAD-DAS Model.
III	New Keynesian Macroeconomics Core propositions of new Keynesian macroeconomics - Wage and Price Rigidities- New Keynesian business cycle theory- Policy implications of new Keynesian macroeconomics
IV	Open Economy Macroeconomics Openness in goods in financial market- output interest rate and exchange rate- exchange rate regimes- exchange rate and balance of payments- Mundell-Fleming Model.

V	<p>Macroeconomic Policies Stabilisation policies- Theory of policy- Tinbergens Approach- Fiscal Policy- Monetary Policy- Optional Policy Mix- Crowding out effect- Bond Financed and Tax Financed Government Expenditure- Rules Vs Discretion- Government Budget and Budget Deficit.</p>
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Textbooks	
1.	Dornbusch, Rudiger, Stanley Fischer, and Richard Startz (2000). Macroeconomics, TataMcGraw-Hill Publishing Company, New Delhi.
2.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore.

Reference Books	
1.	Michl, T. R. (2015). Macroeconomic Theory: A Short Course: A Short Course. Routledge. Levacic, R. (1982). Macroeconomics: an introduction to Keynesian neo classical controversies (No. 339.2 L4.).Macroeconomics: Dornbusch, Fischer, andStartz (Ninth Edition), 2004. Tata McGraw-Hill
2.	Blanchard, O., &Giavazzi, F. (2003). Macroeconomic effects of regulation and deregulation in goods and labor markets. The Quarterly Journal of Economics, 118(3),879-907.Romer D.,1996, Advanced Macroeconomics, McGraw-Hill International.
3.	Obstfeld, M., Rogoff, K. S., & Wren-lewis, S. (1996). Foundations of international macroeconomics (Vol. 30). Cambridge, MA: MIT press. Krugman, P.R., and M.Obstfeld,2003, International Economics: Theory and Policy, 6th edition, India: Pearson Education.

Web Resources	
1.	https://www.econlib.org/library/Enc/bios/Keynes.html
2.	https://www.postkeynesian.net/post-keynesian-economics/
3.	https://www.bu.edu/econ/files/2014/08/DLS1.pdf

Course Outcomes

Co No	On completion of this course, students will be able to
CO1	Defines and understand the concepts of general Equilibrium in the Economy and its models and approaches
CO2	Define, Illustrate and examine the role of rational expectations influencing macroeconomics variables, models of income and the various approaches to the working of business cycles.
CO3	To demonstrate, identify and to understand the functions of the major propositions of new Keynesian macroeconomics
CO4	To understand how, Evaluate and to analyse the open economy model in post Keynesian era
CO5	To explain and apply the role of stabilization policies such as fiscal and monetary policy on the economy and to analyze, elaborate and to know the importance government policies and tax frame work.

Mapping with Programme Outcomes

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	2	3
CO2	2	3	2	3	3
CO3	2	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	3	3
Total	12	15	13	13	15
Average	2.4	3	2.6	2.6	3

S-Strong (3) M-Medium (2) L-Low (1)

Public Economics

Title of the Course	Public Economics				
Course Type	Core VIII				
Course Code	25PMEC32				
Year	II	Semester	III	Credits	5
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	To understand the economics of government expenditure and taxation.
LO2	To discuss the implications of policy for efficiency and equity

Unit	Contents
I	Introduction Introduction Role of public finance - Major Fiscal functions- Private and Public goods – Mixed goods –Merit goods- Social goods-Market failure Public goods and externalities.
II	Theories of Public Expenditure Public Expenditure Theories of Public Expenditure – Musgrave – Wagner – Peacock Wiseman– Growth of Public Expenditure – Canons and Evaluation of Public Expenditure
III	Taxation Taxation and Public Debt Direct and Indirect taxation – Cannons and Principles of Taxation – Theory of optimal taxation – modern theory of incidence- Classification and Sources of public debt–Burden of public debt–Principles of public debt–Methods of repayment of public debt–Compensatory aspects of public debt policy.
IV	Fiscal Policy Fiscal Policy and Fiscal Federalism Objectives and Instruments of Fiscal policy – Compensatory Fiscal policy – Fiscal policy for Economic stability and growth– Effectiveness of fiscal policy- Fiscal federalism – Role of finance commission – Principles Recommendations of 14th Finance Commission and Terms of Reference of the 15th Finance Commission – Transfer of resources from Union and States and States to Local Bodies.
V	Financial Administration Indian Public Finance - Financial Autonomy in India – Tax Reform proposals of Kelkar Committee Tax structure and Working of Fiscal federalism in India – Resource transfer from union to state of Tamil Nadu – VAT – Merits and Demerits- GST design, implementation and impact- Fiscal consolidation in India since 2001-2002 – Fiscal responsibilities of central and state- FRBM Act 2003- Central and State government Budgets – issues of fiscal deficit- Fiscal policy and Economic downturn : Fiscal correction versus additional Stimulus.

Textbooks	
1.	Tyagi B.P., Public Finance, Jai Prakash Nath & Company, 2014
2.	AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.
Reference Books	
1.	AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.
2.	Rao, M. Govida and Nirvikar Singh, (2005), The Political Economy of Federalism in India, Oxford University Press, New Delhi.
3.	Government of India, Economic Survey (Annual issues). Ministry of Finance, New Delhi. Tamilnadu State Council for Higher Education 15.
Web Resources	
1.	https://www.india.gov.in/my-government/documents/policy
2.	http://www.niti.gov.in
3.	https://www.indiabudget.gov.in/

Course Outcomes

Co No	On completion of this course, students will be able to
CO1	To label and interpret the basic theories of public finance.
CO2	To explain, identify and analyse the public expenditure.
CO3	To recall, outline and determine about taxes
CO4	To organize, examine and evaluate about fiscal policy.
CO5	To summarize, develop and explain about Indian public finance

Mapping with Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3.0	3.0	3.0	3.0	3.0

S-Strong (3) M-Medium (2) L-Low (1)

Research Methodology

Title of the Course	Research Methodology				
Course Type	Core IX				
Course Code	25PMEC33				
Year	II	Semester	III	Credits	4
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	This course describes the ethical issues in social science research and the present position of economic research. It covers data collection methods and different types of research design. It also discusses about qualities of a good research report
LO2	To Develop and equip quality research culture among students

Unit	Contents
I	Research in Economics Research Methods in Economics Nature of Social Science Research – Research Methods in Social Science – Formulating the problem- Types and Sources of Hypothesis – Characteristics of a Good hypothesis- Components and types of research design – Collection of data – sources and methods- Presentation of results – Format of a Report.
II	Data Collection Sampling and Data collection Sampling; Need, types, Probability sampling, random, systematic, stratified, multistage or cluster sampling, Non Probability sampling; Purposive Judgment, quota and snowball sampling- Data collection; Primary and Secondary data; NSS and censuses data Methods of data collection- Tools of data collection; schedule and questionnaire.
III	Research Design Data Processing and Presentation Processing and analysis of data: Editing, coding and tabulation; use of computers in social science research- Diagrammatic and graphic representation of data- Interpretation of results and Report writing – Preparation of Project Proposals.

IV	Data Analysis-I Statistical Inferences Census Versus sampling –Random and Non-Random sampling Techniques Estimation – Point and interval estimation– Statistics and Parameter – Standard Error – Confidence interval- Null and Alternative hypothesis – Type I Error and Type II Error, Level of Significance – Critical region – Steps in Testing of Hypothesis.
V	Data Analysis –II Large and small Sample Tests Properties and uses of Normal Distribution – Standard normal ‘Z’ Statistic Z –Test of Significance of proportions, means and Correlation -‘t’ Test for sample mean and Equality of mean – Paired ‘t’ Test-Chi-Square Test for Association of Attributes.

Textbooks	
1.	C.R.Kothari(2002),Research Methodology Vikas publishing House,NewDelhi.
2.	GoodeW.JandHatt(1952),Methods in Social Research, Mcgraw HillBookCo, Tokyo.

Reference Books	
1.	Young, Pauline V., Scientific Social Surveys and Research, 4 th Edition, Prentice Hall of India, 1977
2.	Bryman,Alan,Socialresearchmethods,4 th Edition, Oxford University Press, 2008
3.	Patton, M.Q., Qualitative Research and Evaluation Methods, 3rdEdition Sage 41 Publications, 2002
Web Resources	
1.	www.socialresearchmethods.net
2.	www.ualberta.ca
3.	http://finmin.nic.in

Course Outcomes

Co No	On completion of this course, students will be able to
CO1	To understand what are all the basic concepts in Research and explain means of data collection
CO2	Explain and distinguish various sources of primary and secondary data and to apply it in data collection
CO3	Demonstrate, construct, and explain the functions of presenting data in different methods
CO4	To develop the statistical inference and to explain the errors that can happen during data analysis
CO5	To illustrate, identify, evaluate and create new models and evaluate the data

Mapping with Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	2	3
CO2	2	3	2	3	3
CO3	2	3	3	3	3
CO4	3	3	3	2	2
CO5	3	3	3	3	3
Total	12	15	14	13	14
Average	2.4	3	2.8	2.6	2.8

S-Strong (3) M-Medium (2) L-Low (1)

Econometric Methods

Title of the Course	Econometric Methods				
Course Type	Core X				
Course Code	25PMEC34				
Year	II	Semester	III	Credits	5
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	To provide an understanding on the knowledge of Econometrics and its use for Economists and social scientists, how economic theories are used to test empirical data.
LO2	To impact the knowledge of Regression Analysis and familiarize the terms Multi collinearity, Auto Correlation and Heteroscedasticity.

Unit	Contents
I	Econometrics Econometrics: Meaning – Scope – Methodology – Limitations – Basic Ideas of Linear Regression Model – Two Variable Model – Error Term – Significance – Stochastic vs Non- stochastic Variable.
II	Regression Analysis Classical Linear Regression Model – Assumptions – Method of Ordinary Least Square (OLS) – Derivation of OLS – Properties of OLS Estimators – Gauss Markov Theorem – Proof – Multiple Linear Regression Model (Concepts Only)
III	Multicollinearity Multicollinearity: Nature–Causes–Consequences–Detection – Remedial Measures
IV	Auto Correlation Autocorrelation: Meaning–Nature–Consequences –Detection – Remedial Measures
V	Heteroscedasticity Heteroscedasticity: Meaning–Nature–Consequences–Detection – Remedial Measures

Textbooks	
1.	Jeffrey M Wooldridge, Introductory Econometrics :A Modern Approach, Cengage Learning India Pvt Ltd, New Delhi, 2012.
2.	James H. Stock & Mark W. Watson, Introduction to Econometrics, Pearson Education Pvt. Ltd, Singapore, 2010.
Reference Books	
1.	Kalirajan, K.P.(1995, Applied Econometrics [Oxford and IBH, New Delhi].
2.	Suresh, J. Ghosh (1994), Econometric Theory and Applications [Prentice Hall of India, New Delhi],

Web Resources	
1.	https://learneconometricsfast.com .
2.	https://inomics.com .
3.	https://economicsnetwork.ac.uk

Course Outcomes

Co No	On completion of this course, students will be able to
CO1	Summarize the basics of Econometrics
CO2	Estimate and interpret Regression Analysis
CO3	Evaluate the Nature, Consequences, Detection and Remedial Measures of Multicollinearity
CO4	Assess the Auto Correlation
CO5	Appraise the Heteroscedasticity

Mapping with Programme Outcomes :						
CO/Po	PO1	PO2	PO3	PO4	PO5	PO6
CO1	2	3	3	3	2	3
CO2	3	3	2	2	3	2
CO3	3	3	2	2	3	3
CO4	3	3	2	2	3	2
CO5	3	2	2	2	3	2
Total	14	14	12	13	14	12
Average	2.8	2.8	2.4	2.6	2.8	2.4

S-Strong (3) M-Medium (2) L-Low (1)

Population Studies

Title of the Course	Population Studies				
Course Type	ELECTIVE – V				
Course Code	25PEEC31				
Year	II	Semester	III	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		3	--	--	3

Learning Objectives

1. To apply demographic concepts and population theories to explain past and present population characteristics.
2. To evaluate the use of demographic concepts and population theories to understand contemporary socio-economic issues and current affairs and to assess the relationship between demographic change and policy.

UNIT I: INTRODUCTION POPULATION STUDIES:

Nature and scope, Concepts and Definitions, Population Studies and Demography, Development of population Studies in World and India, Inter relationship between population studies and other disciplines. Sources of Population Data: Population Census-History of Census Taking in India, Vital Statistics Registration Systems-Historical Background-Vital Registration in different countries, Civil Registration in India-Historical Background, Sample Surveys-Important Demographic Sample Surveys conducted in India. Dual Reporting System, Population Registers and International Publications.

UNIT II: POPULATION GROWTH AND DISTRIBUTION

POPULATION GROWTH

World, Developing and Developed countries. India's Population Growth-Trends and differentials in state and union territories, Factors Responsible for Rapid Population increase in India, Current Population situation and Future Prospects, Population Distribution among developed and developing regions of the world, Factors affecting Population distribution of India, Basic measures of population distribution.

UNIT III: POPULATION STRUCTURE AND CHARACTERISTICS SEX AND AGE STRUCTURE

Sex and Age Structure of various countries, Population PYRAMID, Factors affecting Age and Sex

Structure of population, Aging Population. Marital status classification of population, Literacy and Educational attainment: Definition, Source of Data Measures used to study Literature, Religious classification of population.

UNIT IV: POPULATION DYNAMICS FERTILITY

Terms and Concepts, Factors affecting Fertility: Physiological factors, Social and Cultural factors, proximate determinants of Fertility, Sources Fertility data, Basic measures of Fertility. Mortality: Importance of the study, Terms and Concepts Data Sources and limitations, Factors important in the analysis of mortality, Measures of mortality, infant childhood and Maternal Mortality, Components of infant mortality, Levels and Trends and Mortality rates, Global HIV/AIDS Epidemic. Migration: of the study, Concepts and Definitions, Internal and International migration, Sources of Migration data, Measures of migration: Direct and Indirect methods, Everett Lee's Conceptual Framework for Migration analysis.

UNIT V: POPULATION POLICY CONCEPTS

Types of population Policies, Mortality, Fertility and Migration influencing Policies, World Population Plan of Action, Millennium Development Goals (MDGs), India's Population Policy, Family Planning Programme under various Five Year Plan Periods, Approaches to Family Planning Programme, Reproductive and Child Health Approach, National Population Policy 2000.

Text Books:

1. Shrivastava O.S. (2007), Demography and Population Studies, Quality Publishing Company (Ajay)
2. Jain R.K. (2014), Textbook of Population Studies, Astha Publishers and Distributors

References:

1. Bhende Asha, A and Tara Kanitkar, (2012) Principles of Population studies, Mumbai Himalaya Publishing House.
2. Bogue, Donald J (1969), Principles of Demography, New York: John Wiley and Sons.
3. Baskar D. Misra. (1980), An introduction to the Study of Population, Madras: South Asian Publishers Pvt.Ltd.

Web Resources:

1. <https://censusindia.gov.in/census.website/>
2. <https://www.taylorfrancis.com/series/international-population-studies/ashser1353>
3. <https://data.worldbank.org/indicator/SP.POP.GROW>

Course Outcome

Co No	On completion of this course, students will be able to
CO1	To define and explain the basic concepts of population studies.
CO2	To outline construct and conclude the population growth and distribution.
CO3	To organize and interpret the various population structure.
CO4	To examine and criticise the various population dynamics.
CO5	To label, and outline the various population policy.

Mapping with Programme Outcomes

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3.0	3.0	3.0	3.0	3.0

S-Strong (3) M-Medium (2) L-Low (1)

Entrepreneurial Development

Title of the Course	Entrepreneurial Development				
Course Type	ELECTIVE – V				
Course Code	25PEEC32				
Year	II	Semester	III	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		3	--	--	3

Learning Objectives	
LO1	To understand the concept of Entrepreneurship
LO2	To understand the responsibilities and process of an entrepreneur

Unit	Contents
I	Introduction Introduction of Concepts Concept of Entrepreneur – characters of an Entrepreneur – distinction between Entrepreneur & Manager – function & Types of Entrepreneur. Concept Entrepreneurial ship – Role in Economic Development, Women Entrepreneurial ship – function, problems recent trends.
II	Entrepreneurial Growth Entrepreneurial Growth Economic & Non-Economic Factors – Role of Government Entrepreneurial Motivation – Theories – factors- Entrepreneurial Development – Need, Objectives, Phases Evaluation.
III	Project Formulation and Selection Projects & Entrepreneur Meaning – Identification – Selection- Project Formation: Meaning and Significance – Contents of a Project Report – Formation– Planning Commission Guidelines.
IV	Project Appraisal Project Appraisal and Finance Concept – methods of Appraisal- Need for financial Planning – Source of finance – Capital structure – Capitalisation – venture capital – Export Finance.

V	<p>Institutional Finance Institutional Finance to Entrepreneurs Commercial Bank, Industrial Development of India (IDBI), Industrial Finance Corporation of India (IFCI), Industrial Credit & Investment Corporation of India (ICICI) Unit Trust of India (UTI), State Financial Corporation's (SFCs), State Industrial Development Corporation (SIDCO) Exam Bank of India- Institutional Support to Entrepreneur National Small Industries Corporation Ltd.(NSIC)- Small Industries Development Organisation (SIDO)- Small Scale Industries Board (SSIB)- State Small Industries Development Corporations (SSICS)- Small Industries Service Institutes (SISI)- District Industries Centre (DICs).</p>
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Textbooks	
1.	Dr.S.S.Khanka (2011), Entrepreneurial Development, S.Chand& Company Ltd, Ram Nagar New Delhi. State Integrated Board of Studies – Economics PG 58.
2.	Poornima M. Charantimath,(2007),Entrepreneurship Development and Small Business Enterprises, Pearson Education, New Delhi.

Reference Books	
1.	Vasant Desai,(2008), Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, New Delhi.
2.	Robert D. Hisrich, MichaelP. Peters and Dean A. Shepherd, (2007) Entrepreneurship, Tata McGraw Hill, New Delhi.
3.	Khanka,S.S.(2007), Entrepreneurial Development, S.Chand& Company, New Delhi.

Web Resources	
1.	https://www.startupindia.gov.in/content/sih/en/reources/l-d-listing.html
2.	https://elearningindustry.com/entrepreneurship-and-elearning-top-5-elearning-options-newbie-entrepreneurs

Course Outcomes

Co No	On completion of this course, students will be able to
CO1	Understand the concept of Entrepreneurship
CO2	Ability to learn the factors involved in business
CO3	Identify the process involved in the project
CO4	Assess the methods of Project Appraisal
CO5	Acquire the knowledge about source of Finance

Mapping with Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	2	3	3
Total	15	15	12	15	15
Average	3	3	2.4	3	3

S-Strong (3) M-Medium (2) L-Low (1)

Personality Development

Title of the Course	Personality Development				
Course Type	Skill Enhancement Course II				
Course Code	25PSEC31				
Year	II	Semester	III	Credits	2
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		3	--	--	3

Learning Objectives

LO1	To mark the students able and effective leadership and personality development
LO2	To learn the self-evaluation skill

Unit	Contents
I	Concept of Personality Personality-Definition and meaning, Importance, Leadership and Management, Leader vs Manager, Essential qualities of an effective leader
II	Personality Characteristics Personality: Concept and Definition, Determinants of personality, Personality traits, Personality characteristics in organizations
III	Self-evaluation Self-evaluation, Locus of control, Self-efficacy, Self-esteem, Self-monitoring: Positive and negative Impact. Organizational Context of Leadership and Personality – Contemporary Business Leaders.
IV	Qualities of Personality Development Body language – Problem-solving – Conflict and Stress Management – Decision-making skills – Character building –Team-work – Time management – Work ethics and etiquette.
V	Aspects of Employability Resume building- Interactive session – Facing the Personal (HR & Technical) Interview – Self Introduction – Psychometric Analysis – Mock Interview Sessions.

Textbooks	
1.	Parikh, M., & Gupta, R.K. (2010). Organisational behaviour. Tata McGraw Hill Education Pte. Limited.
2.	Mullins, L. J., & McLean, J. E. (2019). Organisational behaviour in the workplace. Harlow: Pearson.

Reference Books	
1.	Hofmann, D.A., & Jones, L.M. (2005). Leadership, collective personality, and performance. Journal of Applied psychology, 90(3), 509.
2.	Aurthur, J. (2006). Personality development. Lotus Press.
3.	Roberts, B. W. (2006). Personality development and organizational behavior. Research in organizational behavior, 27, 1-40.

Web Resources	
1.	https://hbr.org/2017/09/could-your-personality-derail-your-career
2.	https://au.indeed.com/career-advice/resumes-cover-letters/personal-skills
3.	https://socialsci.libretexts.org/Courses/College_of_the_Canyons/COMS_246%3A_Interpersonal_Communication_(Leonard)/2%3A_Communication_and_the_Self/2.1%3A_Self-Concept%2C_Self-Esteem_and_Self-Efficacy

Course Outcomes

Co No	On completion of this course, students will be able to
CO1	Understand the importance of personality development
CO2	To evaluate the Characteristics of Personality
CO3	Examine and analyse the concept of Self-evaluation
CO4	Describes the concept of Qualities of Personality Development
CO5	Create the self-evaluation and Organizational Context of Leadership and Personality

Mapping with Programme Outcomes						
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6
CO1	2	3	3	3	2	3
CO2	3	3	3	3	2	3
CO3	3	2	3	2	2	3
CO4	3	2	2	2	3	3
CO5	3	2	2	2	3	3
Total	14	12	13	14	12	15
Average	2.8	2.4	2.6	2.8	2.4	3

S-Strong (3) M-Medium (2) L-Low (1)

International Economics

Title of the Course	International Economics				
Course Type	Core XI				
Course Code	25PMEC41				
Year	II	Semester	IV	Credits	5
Instructional Hours Per week	Lecture		Tutorial	Lab Practises	Total
	6		--	--	6

Learning Objectives	
LO1	To make the students to understand theories of International Trade.
LO2	To understand the concept of balance of payments and equilibrium in BOP and to know the functioning of international institutions and its role.

Unit	Contents
I	Theories of Trade-I Pure Theory of International Trade Comparative Cost Theory- Refinements of Comparative Cost Theory Modern Theory of Factor Endowments – Leontief Paradox- Factor price equalization theorem – Factors Intensity Reversal: The Stolper-Samuelson Theorem and the Rybezynski Theorem.
II	Theories of Trade-II Recent Theories of International Trade Karvi’s Theory of Availability – Lindar’s Theory of Volume of Trade and demand pattern- Posner’s Technological Gap Theory – Vernon’s Product Cycle Theory –Kenen’s Human capital theory- Intra- Industry Trade – Theory of Imperfect Competition – Strategic Theory – External Economies and International Trade.
III	Balance of Payment Balance of Payments Policies BOP Disequilibrium – Adjustment Mechanism: Elasticity Approach, Absorption approach and Monetary Approach- Expenditure changing monetary and fiscal policy – Monetary and Fiscal policies for internal and external balance: The Swan Model and Mundallian Model- Expenditure Switching Policies and Expenditure Reducing Policies – Foreign Trade Multiplier.

IV	<p>Foreign Aid Foreign Aid and MNCs Foreign Aid – Types of Foreign aid – Advantages and Disadvantages – Factors determining foreign aid – Foreign Investment – Foreign Direct investment– Types of FDI – FDI Policy of India- Multinational Corporations – Features of Multinational Corporations – Advantages and Limitations of MNCs–MNCs and International Trade.</p>
V	<p>Foreign Exchange Managing Foreign Exchange Risk Foreign exchange risk – Sources of foreign exchange risk – types of exchange rate risk Transaction risk, Translation risk, Economic risk Measurement of Exchange Rate Risk – value-at-risk (VAR) model. Methods of managing foreign exchange risk – internal and external techniques- Forward contracts, Money market hedges, Currency futures, Currency Options, Currency swaps.</p>

Textbooks	
1.	D.N.Dwivedi (2013) International Economics: Theory And Policy. Vikas Publishing House ,New Delhi
2.	M.L.Jhingan (2016) International Economics, Vrindha Publications, New Delhi.

Reference Books	
1.	Francis Cherunillam (2004), International Economics (Tata McGraw Hill, New Delhi).
2.	Paul Krugman and Maurice (2013), International Economics: Theory and Policy Obstfeld (New Delhi: Pearson).
3.	J.N.Bhagwati(2003),FreeTradeToday(OxfordUniversityPress, NewDelhi).State Integrated Board of Studies – Economics PG 20.

Web Resources	
1.	https://www.worldbank.org/en/country/eu
2.	https://www.imf.org/en/Data
3.	https://www.economagic.com/

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	Understand Theories of International trade
CO2	Learn the Recent Theories in International trade
CO3	Ability to know the concept of Balance of Payments Policies
CO4	Assess the working of MNCs, Foreign Aid
CO5	Understand the working of Foreign Exchange

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	2	3
CO2	3	3	3	2	3
CO3	3	3	3	2	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	12	15
Average	3	3	3	2.4	3

S-Strong (3) M-Medium (2) L-Low (1)

Development Economics

Title of the Course	Development Economics				
Course Type	CORE – XII				
Course Code	25PMEC42				
Year	II	Semester	IV	Credits	5
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		6	--	--	6

Learning Objectives	
LO1	Tracing the evolution of theories of economic development
LO2	To impart ideas on economic development and economic growth and its determinants and to familiarize the students about the index of measuring economic development

Unit	Contents
I	<p>Introduction conceptualizing development a)GNP) as development indicator (b)Sen’s capabilities approach to development The Human Development Index- The structural characteristics of developing economies- Factors of development : (a) Capital accumulation(b) Labour (c) Natural resources (d) Technological Progress (e) Social institutions cultural values and entrepreneurial ability.</p>
II	<p>Theories of Development and growth Theories of Development as growth: (a) Harrod Domar model (b) Rostow’s stages of growth theory (C) Lewis theory (d) balanced and unbalanced growth –Solow Model - Kaldor's Model of Growth -The "Big Push Theory".</p>
III	<p>Poverty, Inequality and Human Capital Measurement Measurement of inequality and poverty- Cause of inequality- Investing in education and health- (a) social and private benefits of education- (b) education inequality and poverty (c) Women’s education and development Health system in development (a) health and productivity(b) financing health system in developing economies (c) Gender perspective in health care</p>

IV	<p>Agriculture and Rural Development Agriculture and Rural Development The role of agriculture in development- Agricultural policy: (a) agricultural taxation (b) pricing policy- Risk aversion and uncertainty in subsistence farming-- Rural urban migration –Rural credit markets (a) providers and characteristics (b) theories of informed credit markets: lender’s monopoly and default collateral.</p>
V	<p>Policies for Market Development Policies for development Market and the state in development: (a) The Washington consensus components and critical evaluation (b) The role of state in development (c) market failure, state failure and development- Trade Policy in development : (a) import substitution (b) export promotion- Fiscal policy for development: (a) direct Vs indirect taxes (b) pattern and level of taxation.- Financial system in development: (a) the role of financial system in development (b) role of central banks (c) financial liberalization.</p>

Textbooks	
1.	JhinganM.L.JhinganBK.,2019 The Economics of Development and Planning., 42ed., VrindaPublications
2.	Agarawal,A.N., Indian Economy: Problems of Development and Planning

Reference Books	
1.	Michael P. Todaro and Stephen C.Smith(2004), Economic Development, Pearson Education, Singapore cha- 2, 6,7, 8.
2.	Yujiro Hayami (2003), Development Economics: Oxford University Press, New Delhi. Tamilnadu State Council for Higher Education 17.
3.	Debraj Ray (2009), Development Economics, Oxford University Press, New Delhi.

Web Resources	
1.	https://economicsconcepts.com/human_development_index_(hdi).htm
2.	https://hdr.undp.org/data-center/human-development-index#/indicies/HDI
3.	https://web.stanford.edu/~chadj/facts.pdf

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	Understand the concepts of Development
CO2	Acquire knowledge about the theories of economic development
CO3	Ability to understand the concepts related to Poverty, Inequality, Health and Education
CO4	Gain knowledge about the insights of Rural Development
CO5	Understand the role of State in Fiscal Management

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	2	3
CO2	3	3	3	2	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	2	3
Total	15	15	15	12	15
Average	3	3	3	2.4	3

S-Strong (3) M-Medium (2) L-Low (1)

Human Resource Development

Title of the Course	Human Resource Development				
Course Type	Elective – VI				
Course Code	25PEEC41				
Year	II	Semester	IV	Credits	3
Instructional Hours Per week		Lecture	Tutorial	Lab Practices	Total
		5	--	--	5

Learning Objectives	
LO1	To make the student understand acquire, develop, motivate, and utilize human resources to Achieve organizational goals.
LO2	To enable students acquire knowledge on effective utilization of manpower and to maintain a harmonious employee-employer relationship among the work teams.

Unit	Contents
I	Introduction to Human Resource Management (HRM) Evolution of HRM - Objectives and Function of HRM - Role and Responsibilities of HR Manager - Relevance of HRM - Systems approach to HRM.
II	Recruitment and Selection Human Resource Planning: Purpose and Process - Recruitment and Selection: Source of Recruitment, Stages in Selection Process - Placement, Goals Analysis: Job Description and Job Specification.
III	Training and Development Training and Development: Training Needs, Training Methods, Application of Computers in Training, Developing Effective Training Programmes - Concept of HRD - Management Development Programmes.
IV	Performance Appraisal Concept and Objectives of Performance Appraisal - Process of Performance Appraisal - Criteria for Performance Appraisal - Benefits of Performance Appraisal - Limitation and Constraints - 360 Degree Performance Appraisal - Promotion-Degree, Transfer Air Separation: Promotion, Purpose, Principles, and Types; Transfer: Reasons, Principles and Types; Separation: Lay-Off, Resignation, Dismissal, Retrenchment, Voluntary Retirement Scheme.
V	Compensation Management Compensation Management, Major Elements of Compensation Management - Incentives: Concepts, Types of Incentives; Incentives schemes in Indian Industries; Fringe Benefits - Discipline and Employees' Grievance Redressal - .Emerging Trends in HRM.

Textbooks	
1.	Dessler, Gray, and BijuVarkkey, (2009) Human Resource Management, 11ed., Pearson Education, New Delhi.
2.	Aswathappa K (2017), Human Resource Management: Text & Cases, 8th Edition, Tata McGraw-Hill Education
Reference Books	
1.	Rao, V.S.P (2010), Human Resource Management –Text & Cases, Excel Books, New Delhi.
2.	David S. Decenzo and Stephen P. Robbins (2006), Personnel & Human Resource Management, 3rd edition, Prentice-Hall of India, New Delhi.
3.	Dwivedi, R.S. (2000) A Textbook of Human Resource Management, Vikas Publications, New Delhi.

Web Resources	
1.	https://www.shrm.org/
2.	https://workforce.com/
3.	https://www.hrexaminer.com/

Course Outcomes

CO No	On Completion of this Course, Students will be able to
CO1	To understand the outline of HRM and concepts there in.
CO2	To know the approaches in acquiring the human talents.
CO3	To analyze the trends in training and developing the man power acquired.
CO4	To identify the methods to improve the performance.
CO5	To gain insight to motivate and retain the employees.

Mapping With Programme Outcomes						
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	3	3	2	3	3
CO2	3	3	3	2	3	3
CO3	3	3	3	2	3	3
CO4	2	3	2	3	3	3
CO5	2	3	2	3	2	3
Total	13	15	13	12	14	15
Average	2.6	3.0	2.6	2.4	2.8	3.0

S-Strong (3) M-Medium (2) L-Low (1)

Economics of Social Issues

Title of the Course	Economics of Social Issues				
Course Type	Elective – VI				
Course Code	25PEEC42				
Year	II	Semester	IV	Credits	3
Instructional Hours Per week	Lecture	Tutorial	Lab Practices	Total	
	5	--	--	5	

Learning Objectives	
LO1	To understand the insights to the economic theory in the design and implementation of public policy related to the social sectors .
LO2	This course finds roots in social economics, health, education and the problem of discriminations in the society.

Unit	Contents
I	INTRODUCTION – SOCIAL ECONOMICS Introduction of Social Economics: Definition – Equality in Human Societies – Role of government – Social security – Subsidies – Social banking – Refugees, Slavery and Beggary.- Principles of Social Doctrines: Marx, Pope and Gandhi.
II	ECONOMICS OF HEALTH Concept of Welfare Economics – Health dimensions – Determinants of Health - Demand and Supply of Health care – Financing of healthcare - Concept of human life value – Inequalities in health – Healthcare constraints.
III	ECONOMICS OF EDUCATION Education as an instrument of economic growth – Concept of human capital – components of human capital – Private and Social demand for education – Educational planning and economic growth – Manpower requirements approach – Human resource mobilization and utilization.
IV	SOCIAL DISCRIMINATION Sources of Social Discrimination – Class, Caste, Religion, Race and language – Monopoly power - Consumerism – Provision of information – Economic crimes and their prevention – Violation of Human Rights – Terrorism: Causes and consequences – Need to control terrorism

V	<p>HUMAN DEVELOPMENT INDEX</p> <p>Indicators – Life expectancy, Per Capita income and Education - Index – HDI Reports, UNDP - Dimensions - Poverty – Inequality – Gender.</p>
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Textbooks	
1.	SeetaPrabhu, K. Economic Reform and Social Sector Development, Sage Publications, New Delhi, 2012
2.	Dreze, Jean and AmartyaSen, Hunger and Public Action, Clarendon Press, London.1999

Reference Books	
1.	Baumol, W J, & Oates, W E, Theory of Economical Policy, Cambridge University Press, 2000
2.	Culyer, A.J., The Economics of Social Policy, Martin Robertson and Co. Ltd., London. 1993.
3.	Douglass C. North and Roger Leroy Miller, The Economics of Public Issues, Harper & Row Press, New York. 2001

Web Resources	
1	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjI4KeSh
2	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjI4KeSh-
3	https://link.springer.com/content/pdf/bfm:978-1-349-15632-0/1.pdf

Course Outcome

CO No	On Completion of this Course, Students will be able to
CO1	To define social economics and illustrate the role of the government in creating equality in human societies
CO2	To explain and elaborate the concept of welfare economics with specific reference to healthcare
CO3	To illustrate and discuss the importance of education in creating human capital; private and social demand for education .
CO4	To recall, classify and compare the various sources of social discrimination, causes and consequences of the same..
CO5	To examine, estimate and illustrate the several components of human development index and the importance of these indices on development of the social sector

Mapping With Programme Outcomes						
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	3	3	3	3	3
CO2	3	3	3	3	3	3
CO3	3	3	3	3	3	3
CO4	3	3	3	3	3	3
CO5	3	3	3	3	3	3
Total	15	15	15	15	15	15
Average	3	3	3	3	3	3

S-Strong (3) M-Medium (2) L-Low (1)

Economics for Competitive Examinations

Title of the Course	Economics For Competitive Examinations				
Course Type	Skill Enhancement Course -III				
Course Code	25PSEC41				
Year	II	Semester	IV	Credits	2
Instructional Hours Per week	Lecture		Tutorial	Lab Practices	Total
	5		--	--	5

Learning Objectives	
LO1	To enable the students to acquire knowledge related to various Economics concepts Per training to Indian Economy.
LO2	To help the students to have reason and think Economics and apply it in real terms

Unit	Contents
I	Economic Growth and Development The basic concept and definition of economy and economics – its uses and transfer of resources, distributive effects, macro and micro economic policy, micro-macro balance, the distributive impact of economic policies, development versus growth, determinant of growth and development, concepts such as HPI/ MPI, HDI, PQLI, GEM, GDI / GII, TAI, Green index, sustainable development, India's ranking in the various indices.
II	Inclusion and Poverty Definition, relevance, types, financial inclusion, recent initiatives – Poverty – Definitions, causes, distribution – deprivation, income versus calories, measurement of poverty, the status of poverty, eradication programmes, poverty and resource policy, tribal rights and issues, livelihood mission.
III	Basic Economic Indicators and Features of Indian Economy National Income – Concepts, Methods of calculation –Features of Indian Economy – Economic and Non-economic factors - Price Index, Production, Population, Foreign Trade – Division of economic activities – Human Development Reports.

IV	Agriculture and Industry Crops, Seasons, Agricultural Credit Agencies, Kisan Credit Agencies, Land Reforms, Insurance, Green, White, Blue, Yellow Revolutions, Irrigation – Industrial Policies (1948, 1956, 1991), Small Scale Industries, Industrial Sickness, Disinvestment, PSU Policy, Industrial Finance. – Labour Policies.
V	Public Finance Fiscal Policy – Definition, Components, Receipts, Revenue and Capital Account, Tax Revenue, Expenditure, Budget - Finance Commission, Taxation, Deficit Financing, Public Spending and Debt – Monetary Policy – Instruments – Current affairs in Economics

Text books	
1.	Puri V.K., Misra S.K., Indian Economy, Himalaya Publication House
2.	Bhatia H.L., Public Finance, Vikas Publishing House

Reference Books	
1.	Jhingan M.L., The Economics of Development and Planning, Vrinda Publications P Ltd
2.	Koutsoyiannis A., Modern Microeconomics, Palgrave Macmillan U.K.
3.	GauravDatt and AshwaniMahajan, Datt and Sundharam Indian Economy, S Chand andCo Ltd

Web Resources	
1.	https://www.indiabudget.gov.in/
2.	https://www.nabard.org/news-article.aspx?id=24andcid=552andNID=220
3.	https://www.birmingham.ac.uk/news/2017/green-white-and-blue-why-india-needs-a-third-agricultural-revolution#:~:text=Agriculture%20is%20the%20backbone%20of,the%20world's%20largest%20milk%20producer.

Course Outcomes

Co No	On Completion of this Course, Students will be able to
CO1	To explain and outline the concepts of Economic growth and development
CO2	To explain and identify the problems of inclusion and poverty.
CO3	To interpret, develop and determine the economic indicators and features of Indian Economy.
CO4	To illustrate and discuss the Agriculture and Industrial Sector.
CO5	To determine and estimate the Public Finance.

Mapping With Programme Outcomes					
CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Total	15	15	15	15	15
Average	3.0	3.0	3.0	3.0	3.0

S-Strong (3) M-Medium (2) L-Low (1)

Blue Print

Class : P.G.

Time : 3 Hours

Max. Marks: 75

Section A

(10 x 1 = 10)

Answer All questions.

Choose the correct answer. (With four options)

	Unit I	Unit II	Unit III	Unit IV	Unit V
Question Nos.	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10

Section B

(5 x 5 = 25)

Answer All questions choosing either (a) or (b).

Answer should not exceed 250 words

	Unit I	Unit II	Unit III	Unit IV	Unit V
Question Nos.	11 (a) & 11 (b)	12 (a) & 12 (b)	13 (a) & 13 (b)	14 (a) & 14 (b)	15 (a) & 15 (b)

Section C

(5 x 8 = 40)

Answer All questions choosing either (a) or (b).

Answer should not exceed 500 words

	Unit I	Unit II	Unit III	Unit IV	Unit V
Question Nos.	16 (a) & 16 (b)	17 (a) & 17 (b)	18 (a) & 18 (b)	19 (a) & 19 (b)	20 (a) & 20 (b)