

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM
DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-I CORE COURSE - I:

ADVANCED MICRO ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

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
Unit III: Price and Output determination Perfect competition and Imperfect Competition - Price and Output determination under perfect competition- Monopoly - Monopolistic competition - Oligopoly and Monopsony.
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- Modern theory of distribution - Ricardian Theory - Theory of Wages -Subsistence theory of wages - Theories of profit - Dynamic Theory 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.

Books for reference:

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

Web references:

(1) <http://open.oregonstate.education/intermediatemicroeconomics/chapter/module-1>
(2) http://saylordotorg.github.io/text_introduction-to-economic-analysis/s16-monopoly.html

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Provide knowledge about cardinal and ordinal utility theory	K1
CO2	Deliberate the information about asymmetry and choice under uncertainty	K2
CO3	Discuss price and output determination under perfect competition and imperfect competition.	K3
CO4	Evaluate various alternative theories of the firm	K4
CO5	Evaluate the neo-classical approach of distribution theories	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	2	3	4	3	2	2
CO2	3	3	4	3	3	2	2
CO3	3	2	3	4	5	2	2
CO4	3	2	2	4	3	2	2
CO5	4	2	3	4	3	2	2

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit (3X10=30)

S. Rajaraj

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DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-I CORE COURSE - II:

INDIAN ECONOMIC DEVELOPMENT AND POLICY

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit 1: 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 2: 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 3: 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 4: 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 5: Social Sector Social Issues Gender gap in India and trends in female labour force participation rates, factors determining female labour force participation- Employment: changing nature of employment in India, "jobless growth"- Labour in informal sector- India's graphic transition.

Text Books:

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

Books for reference:

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 references:

- (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 : On completion of the course, students will be able to:		Level
CO1	To indicate the role of erstwhile planning commission and NITI	K1
CO2	To compare agriculture and industrial sector in India and distinguish agriculture and industrial growth before and after reforms	K2
CO3	Evolution of the GST-rational and impact of post-liberalization periods	K3
CO4	To debate of the poverty and inequality in pre and post liberalization periods in India.	K4
CO5	To justify the social issues Gender gap in India and trends in female labour force participation rates in India.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	3	2	1	1	-	-
CO2	4	3	2	1	1	-	-
CO3	4	3	2	1	1	-	-
CO4	4	3	2	1	1	-	-
CO5	4	3	2	1	1	-	-

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit (3X10=30)

S. Prasad

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DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDIT SYSTEM
SEMESTER-I CORE COURSE - III:

STATISTICS FOR ECONOMISTS

PEC103

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	4	25	75	100

Course Contents

UNIT-I: Sampling – Random Sampling–Randomized Experiments–Data Collection – Primary and Secondary Data – Sampling Methods – Classification of Data –Graphic and Diagrammatic Representation
UNIT-II: Descriptive Statistics – Centre of Distribution – Mean, Median and Mode –Use of Various Measures of Average – Spread of a Distribution –Range –Quartile Deviation– Mean Deviation – Standard Deviation
UNIT-III: Relationship between variables–Correlation Techniques–Regression Analysis –Fitting Least Squares Lines – Standard Error of the Estimates –Index Numbers–Time Series Analysis
UNIT-IV: The Significance of Mean and other statistics–Standard Error of Mean–Standard Error of Standard Deviation – The Distribution of 't' – Degrees of freedom–Level of Significance
UNIT-V: Hypothesis Testing – Testing Procedures – Hypothesis Testing using confidence intervals – Using 't' Distribution – Prob. Value (Two – Sided) –SPSS: An Introduction.

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", Cengage, 2014.

Books for reference:

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.
- (3) Pillai R.S.N. and Bagavathi V (2010), Statistics, Sultan & amp; Chand Sons, New Delhi.

Web references:

1. <https://www.statista.com>.
2. <https://techjury.net>
3. https://dss.princeton.edu/online_help/analysis/interpreting_regression.htm

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Introduce statistics for the students about sampling methods and techniques	K1
CO2	Knowledge about central distribution of mean, median and mode	K2
CO3	Compare between the economic variables and statistical tools like regression analysis and index number	K3
CO4	Application of mean and other statistics and level of significance	K4
CO5	To gain practical knowledge about hypothesis testing and SPSS and using t-distribution	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	-	-	3	2	-	-	2
CO2	-	-	4	2	-	-	1
CO3	-	-	4	3	-	-	1
CO4	-	-	4	4	-	-	1
CO5	-	-	4	-	-	-	2

Strong-3 Medium-2 Low-1
Question pattern: Theory 40%; Problems: 60%

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3x10=30)

S. Rajarajeswari

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OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-I SKILL ENHANCEMENT-I

CODE: MANAGERIAL SKILLS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CLA	External	Total
Theory	2	-	-	2	25	75	100

Course Contents

Unit I: Communication Definition - characteristics of communication - purpose of communication - importance - Process of communication - Barriers to communication - Principles of effective communication - Benefits of effective communication - Formal Business report - Business letter format
Unit II: Role of Manager in organization Interpersonal roles - informal role - Decision Making roles, Levels of Management - Top Management - Upper Middle Management - Middle Management - Operating Management.
Unit III: Types of Managerial Skills Technical skill, Human or Psychological Skill, Conceptual Skill, Diagnostic Skill, Design Skill, Analytical Skill, Decision making skill - Digital Skill, Interpersonal Skill, Planning and Administration Skill, Teamwork Skill, Strategic Action skills, Global Awareness Skill, Self-management skill. Personal skills - Dedication, Persistence, Assertiveness.
Unit IV: Emotional Intelligence Meaning, Personal Competencies, Self-Awareness, Self-regulation, Self-Motivation, Social Competencies, Empathy, Social Interpersonal Skills. Attitude - Meaning, Features of Attitude, sources of Attitude - Formation of attitudes - Values - Characteristics - types of Values
Unit V: Problem solving: Steps in Analytical problem solving - attributes of good problem solving - Generating Alternatives - Evaluation and selection of an alternative. Team building - Developing Team and Team work - advantages

Text Books:

1. Dr. K. Alex (2015) Managerial Skills S. Chand New Delhi
2. S.A. Rahmath Ameena Begum, Managerial Skill Development, Charulatha Publications, India

Books for reference:

1. E.H. McGrath, S.J (2011) Basic Managerial Skills for All, Prentice Hall India Learning Pvt Ltd, India
2. Cynthia Menezes Prabhu (2022) Managerial skills 2, Pen to print Publishing, India

Web references:

1. <https://elearningindustry.com/tips-improving-management-skills-in-online-training>
2. <https://corporatefinanceinstitute.com/resources/careers/soft-skills/management-skills/>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Provide knowledge about managerial skill and remove communication barriers to the students	K1
CO2	Highlight the successful role of managers in organization	K2
CO3	Enumerate various types of managerial skills to improve managerial activities	K3
CO4	Discuss the various emotional intelligence and characteristics to improve the values	K4
CO5	Evaluate of various problems and try to solve the problems and find out the different alternatives	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	2	2	1	2	3	2
CO2	4	4	4	3	4	3	2
CO3	1	1	2	2	4	3	2
CO4	1	1	1	1	3	2	1
CO5	1	1	1	2	2	3	2

Strong-3 Medium-2 Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3x10=30)

S. Rajkumar

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SEMESTER-I
CORE COURSE -

ICODE: FINANCIAL ECONOMICS

EC-I
PECE 121

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	5	-	-	3	25	75	100

Course Contents

UNIT I: INTRODUCTION TO FINANCIAL MARKETS

Capital Markets - Consumption and Investments with and without Capital Markets - Market Places and Transaction Costs and the Breakdown of Separation - Fisher Separation Theorem - The Agency Problem - Maximization of Shareholder's Wealth.

UNIT II: THEORY OF UNCERTAINTY

Axioms of Choice Under Uncertainty - Utility Functions - Expected Utility Theorem - Certainty Equivalence - Measures of Risk-Absolute and Relative Risk Aversions - Stochastic Dominance-First Order, Second Order and Third Order - Measures of Investment Risk-Variance of Return - Semi-Variance of Return - Shortfall Probabilities.

UNIT III: PORTFOLIO THEORY

Measuring Portfolio Return and Risks - Effect of Diversification, Minimum Variance Portfolio - Perfectly Correlated Assets - Minimum Variance Opportunity Set - Optimal Portfolio Choice - Mean variance Frontier of Risky and Risk-Free Asset - Portfolio Weights.

UNIT IV: INDEX MODELS

Models of Asset Returns - Multi Index Models - Single Index Model - Systematic and Specific Risk - Equilibrium Models-Capital Asset Pricing Model - Capital Market Line - Security Market Line - Estimation of Beta - Arbitrage Pricing Theory.

UNIT V: FIXED INCOME SECURITIES

Bond Prices - Spot Prices - Discount Factors and Arbitrage - Forward Rates and Yield-To-Maturity - Price Sensitivity - Hedging.

Text Books:

(1) Copeland, T. E. and J. F. Weston (1992), Financial Theory and Corporate Policy, Addison Wesley. (2) Brealey, R. and Myers S (1997), Principles of Corporate Finance, fifth edition, New York, McGraw Hill.

Books for reference:

(1) Roy E. Baiky: The Economics of Financial Markets, Cambridge University Press. (3) Jaksacvitanie and Zapatiro Fernando: Introduction to the Economics and Mathematics of Financial Markets, MIT Press. (3) Chris Jones (2008), Financial Economics, the Taylor & Francis Group.

Web references:

(1) <https://www.worldscientific.com/worldscinet/afe>
(2) <https://libraries.etsu.edu/research/guides/economicsandfinance/oerhttps://www.hrexaminer.com> (3) https://www.teacheron.com/online-financial_economics-tutors

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Understand the concepts of financial market and to maximization of shareholder's wealth	K1
CO2	Examine the role played by time, uncertainty, stochastic Dominance and shortfall probabilities	K2
CO3	Measuring portfolio return and Risks to identify the optimal portfolio choice and weights.	K3
CO4	Train students to apply index model and various financial Economics model for their project and internship works individually	K4
CO5	Provide awareness about capital market bond prices and their fluctuations.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	2	2	3	1	2	2
CO2	4	2	3	3	1	2	2
CO3	1	2	3	3	1	2	2
CO4	1	2	2	2	1	1	1
CO5	2	2	3	1	1	1	1

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3X10=30)

S. Rajaraj

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M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-I
CORE COURSE-I

ICODE: ECONOMICS OF INFRASTRUCTURE

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	5	-	-	3	25	75	100

Course Contents

Unit I: Introduction Introduction - Infrastructure and economic development — Infrastructure as a public good; Social and physical infrastructure; Special characteristics of public utilities. The peak-load - Off-Load Problem - Dual Principle Controversy; Economics of scale of Joint supply; Marginal Cost Pricing vs. other methods of pricing in public utilities.
Unit II: Transport Economics Transport Economics - The structure of Transport Costs and Location of Economic Activities. Demand for Transport - Models of Freight and Passenger Demand - Model Choice; Cost Functions in the Transport Sector - Principle of Pricing - Special Problems of Individual Modes of Transport; Inter-modal condition in the Indian Situation.
Unit III: Energy Economics - I Energy Economics - Primacy of Energy in the Process of Economic Development - Factors Determining Demand for Energy; Effects of Energy Shortages - Energy Conservation - Renewable and Nonconventional Sources of Energy - Energy Modelling - The Search for an Optimal Energy Policy in the Indian Context.
Unit IV: Energy Economics - II Electricity, Gas and Water Supply- Bulk Supply and Pricing of Electricity - The Relative Economics of Thermal, Hydel and Nuclear Power Plants - The Case for a National Power Grid - Financing Water Utilities - Urban and Rural Water Supply - The Exploitation of Natural Gas - Pricing Problem.
Unit V: Social Infrastructure Social Infrastructure - Education and Economic Growth - The Case for Universal, Free, Primary Education; Structure of higher education and problems of its financing in India - Human Resources and Human Capital Development - Health dimensions of development; Determinants of Health - poverty, malnutrition, illiteracy and lack of information; Demand and supply of health care; Financing of health care; Inequalities in health - class and gender perspectives; Institutional issues in health care delivery.

Text Books:

1. Becker, G.S. (1974), Human Capital (2nd Edition), National Bureau of Economic Research, New York.
2. Crew, M.A. and P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.

Books for reference:

1. India Infrastructure Report, Urban Infrastructure, 3i Network, 2006
2. Jha, R., Chandiramani, J., Perspectives in Urban Development: Issues in Infrastructure, Planning and Governance, Capital Publishing Company, New Delhi, 2012.

Web references:

1. www.niua.org
2. <https://censusindia.gov.in/>
3. https://onlinecourses.nptel.ac.in/noc22_hs64/preview

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Basic knowledge about infrastructure and economic development	K1
CO2	Examine the structure of transport cost and demand for transport	K2
CO3	Evaluation of the importance of the energy economics	K3
CO4	Analyse the recent development of energy like thermal and nuclear power plants	K4
CO5	Examine the structure of various social infrastructure and used for human development	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	-	1	1	-	-	2
CO2	2	2	2	1	-	-	1
CO3	2	1	2	1	-	-	1
CO4	1	1	2	2	-	-	1
CO5	1	1	2	1	-	4	1

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3X10=30)

S. Rajapuri

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM

DEPARTMENT OF ECONOMICS

M.A., ECONOMICS

OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM

SEMESTER - II CORE COURSE - IV

MONETARY ECONOMICS

code : ?

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit 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.
Unit II: Supply of Money Supply of Money Types and determinants of money supply – money multiplier- Theories of interest rate – classical – Keynes – Hicks – Hansen.
Unit III: Money and Capital Market Money and Capital Market Significance and functions of Money market and capital market- Role of financial intermediaries – Effects of financial intermediation- Non-banking financial institutions – Gurley and Shaw theory.
Unit IV: Banking and its functions Banking Functions of Commercial banks - Credit creation – process and limitations Role of Commercial banks after nationalization – after reforms- Role of RBI – Regulation of money supply and credit- Narasimham Committee Reports– 1991 and 1998- RaguramRajan Committee Report -2007.
Unit V: Monetary Policies Monetary Policy Objectives and Instruments of Monetary policy– Limitations of monetary policy- Monetarism and Keynesianism – Comparison - Supply side policies.

Text Books:

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

Books for reference:

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 references:

1. <https://www.amazon.in/Handbook-Monetary-Economics-Benjamin-Friedman-ebook/dp/B00EXOTZ96>
2. <https://link.springer.com/book/10.1057/9780230280854>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	To define the Quantity theory of money, Fisher, Cambridge and Keynesian QTM Tobin analysis and Don Patinkin integration theory of money	K1
CO2	To describe the supply of money and money multiplier	K2
CO3	To illustrate the money and capital market and non-Banking financial intermediaries (NBFIs)	K3
CO4	To categories on the commercial bank and role of RBI. Narasimham Committee Report – 1991.	K4
CO5	To examine the monetary policy and monetarism and Keynesianism	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	3	2	1	1	2	1
CO2	3	3	2	1	1	2	1
CO3	2	3	3	1	1	2	1
CO4	2	3	2	1	1	2	1
CO5	2	3	3	2	1	2	1

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3x10=30)

S. Rajarajeswari

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM
DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-II CORE COURSE - V

AGRICULTURAL ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit I: Agricultural Economics

Introduction, Scope and Significance of Agricultural Economics- Inter-Sectoral Linkages - Production Function Analysis - Relevance to Farm Production Economics- Productivity Trends; Low production and Productivity: Causes, Consequences and Measures- Farm size, productivity and efficiency in Indian Agriculture-A.K. Sen's Hypothesis- Role of Technology in Agriculture - Structural Changes in Agriculture.

Unit II: Agricultural Labour

Agricultural Labour: Definition and Characteristics - Rural Labour Market- Rural Unemployment: Types, Consequences and Remedial Measures- Agricultural Wages in India - Male -Female Wage Differentials.

UNIT III: Agricultural Prices and Finance

Agricultural Prices-Reasons for Fluctuations in Prices-Procurement /Support Prices- Minimum Support Price - Buffer Stocks- Commission for Agriculture Cost and Prices: objectives, functions and role in stabilization of Agriculture Prices- Commodity Markets-Agricultural Finance: Meaning, Types, Sources- and Commercial Banks and NABARD- Farm Capital - Meaning, Types, and Marginal Efficiency of Farm Capital and Capital formation in Agriculture

Unit IV Information Technology and Agriculture

Role of Information Technology and telecommunication in marketing of agricultural commodities - Weather Forecasting- electronic auctions- Digital Mandi - Kisan Call Centres -e- Choupal- Use of Geographic Information System and Global Positioning System- Remote Sensing and Drones

Unit V: Globalisation and impact on Agriculture

Role of MNCs- Globalisation of Indian Economy: Problems and Prospects of Indian Agriculture- Impact of WTO on Indian Agriculture- Agreement on Agriculture (AoA) -WTO Agriculture Subsidies Boxes and Criticisms.

Text Books:

1. Subba Reddy S, Raghu Ram P, T.V Neelakanta Sastry and I. Bhavani Devi (2019) Agricultural Economics, Second Edition, Oxford & IBH Publishing Co Pvt. Ltd
2. Dantwala M.L (ed) (1991), Indian Agricultural Development since Independence (Oxford and IBH Publishing company private limited, New Delhi).

Books for reference:

1. Barkley, A., & Barkley, P. W. (2016). Principles of agricultural economics. Routledge.
2. Sloman, J., Norris, K., & Garrett, D. (2013). Principles of economics. Pearson Higher Education AU.
3. Colman, D., & Young, T. (1989). Principles of agricultural economics: markets and prices in less developed countries. Cambridge University Press.

Web references:

1. <http://www.rvskvv.net/images/Principles-of-Agri...>
2. <https://zalamsyah.files.wordpress.com/2018/02/2...>
3. http://archive.mu.ac.in/myweb_test/M.A.PAR...

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Knowledge about scope and significance of A. Economics	K1
CO2	Enumerate the characteristics of A. Labour and their consequences and remedies.	K2
CO3	Analyse various A. pricing policies in India and find out different sources of Finance	K3
CO4	Discuss the role of modern information technologies and telecommunication in marketing of A. Commodities	K4
CO5	Compare between MNCs and Globalization of Indian Economy	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	4	3	2	1	2	3
CO2	4	3	4	2	1	2	3
CO3	4	3	4	3	1	3	3
CO4	2	4	3	1	1	2	2
CO5	3	3	2	1	1	2	2

Strong-3

Medium-2

Low-1

Question pattern:

Section A		Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3X10=30)

S. Rajaraj

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM
DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-I CORE COURSE VI

MATHEMATICAL ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	4	25	75	100

Course Contents

Unit I: Introduction to Linear Algebra Sets-Basic concepts-Ordered sets-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, - open and closed models , quadratic equation, characteristic (eigen) roots and vectors
Unit 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.
Unit 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 - Vector and Matrix Differentiation - Applications-Utility maximization, Profit maximization and Cost minimization.
Unit 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.
Unit 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- Applications to Market models- Difference Equations - Types-Linear Difference Equations with Constant Coefficients (First and Second order) and solutions - Applications- Samuelson's Accelerator-Multiplier model.

Text Books:

1. Geoff Renshaw, (2016) Maths for Economics, 4E Oxford University Press.
2. Mabbet A J (1986) Workout Mathematics for Economists, Macmillan Master Series, 4th Edition London.

Books for reference:

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.

Web references:

1. <https://www.udemy.com/course/mathematics-for-economists-functions-and-derivatives/>
2. <https://www.classcentral.com/course/swayam-mathematical-economics-14187>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Basic knowledge about mathematical economics	K1
CO2	Calculate differential calculus and derivatives for revenue maximization under different market conditions	K2
CO3	Distinction between linear and non-linear programming-formulation and its applications	K3
CO4	Evaluation of basic ideas about Economic dynamics, types and solution of differential equations	K4
CO5	Practical knowledge about optimization techniques adopted various theories and find out some important constraints	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	2	4	3	-	-	-
CO2	2	2	4	4	-	-	-
CO3	2	2	4	2	-	-	-
CO4	2	2	3	2	-	-	-
CO5	2	2	4	3	-	-	-

Strong-3

Medium-2

Low-1

Question pattern: Theory 40%; Problems:60%

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit (5X5=25)
		1 question from each unit (3X10=30)

S. Rajarani

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM
DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER- II SEC- II

SOCIAL ETHICS AND RESPONSIBILITIES

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CLA	External	Total
Theory	2	-	-	2	25	75	100

Course Contents

Unit 1: 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.
Unit 2: Workplace and Professional Ethics Ethical Issues in Workplace- Types - Accountability - Employee Favoritism -Bad Leadership Behavior- Gender Ethics- Sexual Harassment and Discrimination.
Unit 3: Social Responsibility of Business Social Responsibility of Business towards Shareholders, Employees, Customers, Dealers, Community & Government – Social Audit Social Responsibility of Business – Shareholders-Employees –Customers Community and Government - Corporate Social Responsibility Initiatives Dimensions-Ethics of Environment Protection & Pollution Control.
Unit 4: Social Inclusion Meaning of Social Inclusion and Exclusion – Dimensions of Social Inclusion- Gender Inclusion and Equality
Unit 5: Opportunities for Disabled Mainstreaming Disability- Provision of Employment Opportunities for disabled – Indian Government Schemes – Ministry of Social Justices and Empowerment

Text Books:

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.

Books for reference:

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 textbook with Cases Cengage Learning.

Web references:

1. <https://pachamama.org/social-justice/social-responsibility-and-ethics>
2. <http://www.fimt-ggsipu.org/study/bbabi310.pdf>

Course Outcomes : On completion of the course, students will be able to:	Level
CO1 Provide knowledge about social ethics to the students in the modern era	K1
CO2 Enumerate the knowledge about work place and professional ethics	K2
CO3 Discuss various social responsibilities dimensions and ethics of environmental protection control	K3
CO4 Examine the various dynamics of social inclusion and exclusions	K4
CO5 Analyse the various opportunities for disabled and to find out improve the status namely providing employment opportunities social justice and empowerment	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	2	2	2	1	-	-
CO2	4	4	4	4	4	-	-
CO3	3	3	3	3	4	-	-
CO4	4	4	3	3	3	-	-
CO5	2	1	2	3	2	-	-

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 question from each unit (5X2=10)	1 question from each unit (3x10=30)

S. Rajkumar

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OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-III CORE COURSE - VII

ADVANCED MACRO ECONOMICS

P23ECC307

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CLA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit-1: Modern Keynesian Macroeconomics: Central propositions of Keynesian macroeconomics- Mundell-Fleming model- Minsky's financial instability hypothesis- The Great Recession and the revival of Keynesian macroeconomics.
Unit-2: The New Classical Macroeconomics Assumptions of Rational Expectation Hypothesis- Policy Ineffectiveness Theorem- Aggregate supply hypothesis- Policy implications of new classical approach.
Unit-3: Real Business Cycle Theory Source of Productivity shocks in Real Business Cycle Theory- Stabilisation Policy and Unemployment- Role of money in Real Business Cycle Theory- Policy implications of real business cycle theory.
Unit-4: New Keynesian Macroeconomics Core propositions of new Keynesian macroeconomics- Wage and Price Rigidities- New Keynesian business cycle theory- Policy implications of new Keynesian macroeconomics.
Unit-5: Austrian Macroeconomic Theory Basic Principles of Austrian Economic Theory- Austrian Theory and Business Cycles- Policy Implications of Austrian Theory.

Text Books:

1. Dornbusch, Rudiger, Stanley Fischer, and Richard Startz (2000). Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.
2. Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore.

Reference Books:

1. Shapiro .E (1996) Macro Economic Analysis, Galgotia Publication, New Delhi
2. Ackley .G (1978) Macro Economics: theory and policy Maxmillan, New York.

Web references:

1. <https://www.econlib.org/library/Enc/bios/Keynes.html>.
2. <https://www.bu.edu/econ/files/2014/08/DLSI.pdf>

Course Outcomes	On completion of the course, students will be able to:	Level
CO1	Provide basic knowledge about modern Keynesian macro economics view	K1
CO2	Theoretical views of Neo-classical macro Economic and aggregate supply hypothesis	K2
CO3	Understanding the productivity shocks in real business cycle	K3
CO4	Analyse the proportions of neo-Keynesian macro economics	K4
CO5	Evaluate the principles of Austrian Economic theory and policy implications.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	4	3	3	-	-	-
CO2	3	4	3	3	-	-	-
CO3	2	4	4	2	-	-	-
CO4	3	4	3	4	-	-	-
CO5	2	4	2	2	-	-	-

Strong-3 Medium-2 Low-1

Question pattern: Maximum Marks 75

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3*10=30)

S. Rajitha

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M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-III CORE COURSE-VIII

PUBLIC FINANCE P23ECC308

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit – I: Introduction Role of public finance - Major Fiscal functions- Private and Public goods – Mixed goods – Merit goods- Social goods- Market failure Public goods and externalities.
Unit – II: Public Expenditure Theories of Public Expenditure – Musgrave – Wagner – Peacock Wiseman – Growth of Public Expenditure – Canons and Evaluation of Public Expenditure.
Unit – III: Taxation and Public Debt Direct and Indirect taxation – Canons 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.
Unit – IV: 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.
Unit – V: 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.

Text Books:

1. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
2. Rosen, Harvey (2013), Public Finance, McGraw Hill, New York.
3. Amerash Bagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.

Reference Books:

1. Rao. m. Govida and Nirvikar Singh (2005), The Political economy of Federalism in India, Oxford University Press, New Delhi.
2. Government of India, Economic Survey (Annual issues), Ministry of Finance, New Delhi. Tamilnadu State Council for Higher Education 15.

Web references:

1. <https://www.indiabudget.gov.in/>
2. <http://www.niti.gov.in>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Provide the information about role of Public finance in Indian Economy	K1
CO2	Theoretical background of Public Expenditure	K2
CO3	Inculcate the modern theory of incidence and canons and principles of taxation.	K3
CO4	Comparison between fiscal policy and fiscal federalism	K4
CO5	Analyse the structure and working of fiscal federalism in India.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	4	3	3	1	-	-
CO2	4	3	3	2	1	-	-
CO3	3	3	2	2	1	-	-
CO4	2	2	2	1	1	-	-
CO5	2	2	4	2	1	-	-

Strong-3 Medium-2 Low-1
Question pattern: Maximum Marks 75

Section A	Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit (3*10=30)

S. Rajaguru

OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-III CORE COURSE-IX

INDUSTRIAL ECONOMICS

P23ECC309

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CLA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit-I – Basic Concepts, Theory of Firm and Pricing Concepts: Firm, Industrial Combination-Causes-conglomerate, cartel, pattern of industrialization- Economies of scale – Market structure- Objectives of the firm – Growth of firms – Marginal cost pricing vs. full cost pricing – Depreciation – Administered prices.
Unit -II – Industrial Organization Industrial Organization -Structure and change- Relevance of industry studies for public policy- Monopoly and concentration: Concepts –Measures of monopoly – Control of monopoly-Industrial monopoly legislation- The Indian MRTP Act, 1969.
Unit –III – Theories of Industrial Location and Regional Development Industrial location: Factors affecting industrial location - Measures of localization – Weber and Sargent Florence - Regional growth of industry in India- Need for balance regional development of Industries- Industrial policy on backward areas.
Unit –IV – Industrial Productivity and Finance Industrial Productivity-Measures –factors affecting productivity- and efficiency- Financial statements: Ratio analysis and interpretation- Industrial finance-sources of finance- Industrial Development Bank of India – IFC-Objectives and functioning – Impact of these institutions.
Unit –V – Issues in Indian Industry Public sector: Rationale-organization – Pricing policies – The question of efficiency – Performance of public sector in India – The concept of joint sector- Industrial problems: Industrial sickness, Evaluation of Industrial reform measures- Industrial policy since 1991-Foreign capital and role of MMNC in India.

TextBooks:

1. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
2. Rosen, Harvey (2013), Public Finance, McGraw Hill, New York.
3. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.

Reference Books:

1. Divine P.J.et.al., (1978) An introduction to Industrial Economics 3e (George Allen and unwin, London)
2. Hay,D.A and D.J Morris (1979) Industrial Economics: Theory and Evidence (Oxford university Press, oxford.

Webreferences:

1. <https://www.indiabudget.gov.in/>
2. <http://www.niti.gov.in>

Course Outcomes : On completion of the course, students will be able to:	Level
CO1 Basic knowledge about process and pattern of industrialization.	K1
CO2 Examine the idea about determination of industrial location	K2
CO3 Bring out the different sources of Industrial finance in India.	K3
CO4 Enumerate the structure and Characteristics of industrial labour and find out the drawback of Indian Labour market.	K4
CO5 Practical knowledge of project planning and appraisal and implementation of the project.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	3	3	2	3	2
CO2	3	2	3	3	2	3	2
CO3	3	2	3	3	2	3	2
CO4	3	2	3	3	2	3	2
CO5	4	3	4	4	3	4	3

Strong-3 Medium-2 Low-1

Question pattern: Maximum Marks 75

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (6X5=25)	1 question from each unit (3*10=30)

S. Raj Arini

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OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER-III CORE COURSE - X

RESEARCH METHODOLOGY

P23E CC 310

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CLA	External	Total
Theory	6	-	-	4	25	75	100

Course Contents

Unit – I: 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.
Unit – II: 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 census data Methods of data collection- Tools of data collection; schedule and questionnaire.
Unit – III: 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.
Unit – IV: 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.
Unit – V: 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, New Delhi.
- 2.Goode W. J and Hatt(1952), Methods in Social Research, Mcgraw Hill Book Co, Tokyo
- 3.Kenneth.D, and Bailey(1962),Methods of Social Research, Longman's Green Co, New York.

References:

- 1.Bryman, Alan, Social research methods, 4th Edition, Oxford University Press 2008.
- 2.Patton M.Q., Qualitative Research and Evaluation methods, 3rd Edition Sage 41 Publications, 2002.

Web references:

- 1.www.socialresearchmethods.net
- 2.www.ualberta.ca

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Knowledge of steps in Research methods in Social sciences.	K1
CO2	Enumerate the need, types of sampling methods and sources of data collection	K2
CO3	Wide knowledge about processing and analysis of collected data from different sources.	K3
CO4	Knowledge of testing hypothesis and its types	K4
CO5	Application of various statistical tools in large and small sample test.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	2	4	4	1	2	2
CO2	3	2	4	3	1	2	1
CO3	3	1	4	4	1	2	1
CO4	3	2	4	4	1	2	1
CO5	3	2	4	4	1	2	1

Strong-3

Medium-2

Low-1

Question pattern: Maximum Marks 75

Section A	Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3*10=30)

S. Rajaraj

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DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDIT SYSTEM
SEMESTER- III SEC-3 INDIAN ECONOMIC PROBLEMS

P23EC3IDC

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	2	-	-	2	25	75	100

Course Contents

Unit – I Natural Resources and Population Natural resources -Meaning and importance -Forest Resources -Energy Resources - water Resources -Environmental degradation –Indian Population size, density and distribution. Trends -Problems and measures -National Population policy -The concept of Human Capital and its Development.
Unit – II Poverty and Unemployment Poverty - Its dimensions, Nature and causes –Poverty alleviation programmes- Unemployment and its types -New employment policy –Inequalities in distribution programmes and measures -Causes of income inequalities - Suggested measures to redress inequalities.
Unit – III Foreign Trade and WTO Direction of Foreign Trade -Balance of Payments –the New Economic Reforms - India's foreign Trade Policy-WTO- Features and assessment Globalization: Features and Problem
Unit – IV Agricultural and Industrial sectors Technological change in Agriculture -pricing of Agriculture Marketing-New Agricultural Policy - Issues in Food Security – New industrial Policy - Problem of Sick units- Privatization and Disinvestments.
Unit – V Planning in India Objectives - Achievements and shortcomings - Agriculture industry and social sector Concepts of NTIT AYOG.

TextBooks:

1. Agrawal A.N. (2004) Indian Economy. Wishwa Prakashan. New Delhi.
2. Datt and Sundaram (2015), Indian Economy. S. Chand & Co. New Delhi.
3. Dhigra C. (2012), The Indian Economy, Sultan Chand and Sons. New Delhi.

Books for reference:

1. Reserve Bank of India Report of Currency and Finance (Annual).
2. Alagh. Y.K. Indian Development planning and Policy. Vikas. New Delhi
3. Economic Survey - Various Issues.

Web references:

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

Note: Latest edition of the books may be used

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Clarify the natural resources and assess the Natural population policy	K1
CO2	Understand the causes and measures of poverty and unemployment in India	K2
CO3	Assess the India's Foreign Trade policy	K3
CO4	Evaluate the agricultural and Industrial policy	K4
CO5	Explain the achievements and short comings of planning in India	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	2	3	3	2	3
CO2	3	3	2	3	3	2	3
CO3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	3	3
CO5	3	3	2	3	3	2	3

Strong-3

Medium-2

Low- 1

Question pattern:

Section A		Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit	1 question from each unit

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M.A., ECONOMICS
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SEMESTER - III CORE COURSE -

IC CODE: ECONOMICS IN EVERYDAY LIFE

FCV
P23EFC3:1

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CLA	External	Total
Theory	4	-	-	3	25	75	100

Course Contents

Unit 1: Thinking about Prices What is price – How are prices determined: The concept of willingness to pay - Understanding Inflation: Meaning of Inflation and how it is measured in India- Inflation rate and the prices you pay in shops; why they diverge - Application: why prices are higher in some locations than others although the production and selling costs are identical.
Unit 2: Economics of Social Customs Economics of rising age of marriage and declining family size – Economics of Divorce - How economic globalization is changing the Indian family - Economics of gift-giving: why value of gift in kind is higher compared to gift in cash - Application: Reasoning about economic inequality between men and women.
Unit 3: Economics of Social Evils Discrimination: Why discrimination can be rational and the economic harm it causes - Pollution: The economic roots of the pollution problem - Economics of the leisure - Addiction: Economic case or legalizing drugs as solution to addiction - Corruption - An Economists Perspective - application: Why prohibition does more harm than good: An Economic Perspective
Unit 4: Economics of Arts, Sports, and Science Understanding the declining demand for performing arts from economic perspective - Economics of Sports: Role of economic competition in sporting activity - Economics and Science: science perspective of economics - What motivates scientific research? - Application: How economic Globalization and commercialization enrich Indian music
Unit 5: National Issues The Union Budget and you - Taxes, Subsidies and Fiscal Deficit - How the stock market works - Bulls and Bears - Gig economy - The global economic crisis: Its origin and impact on India - Application: Living through an economic downturn.

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Determine the Economic view at Society and everyday life	K1
CO2	Explain the basic concept of Economics of Social customs and Economic inequality	K2
CO3	Illustrate the economics of social evils and economics prospective	K3
CO4	Categorise the economics of Arts, sports and Science	K4
CO5	Justify the National issues and Global Economic crises	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	3	4	4	1	1	2
CO2	4	4	4	3	1	1	2
CO3	3	3	4	4	1	1	2
CO4	2	3	4	3	1	2	2
CO5	2	3	3	3	1	2	2

Strong-3 Medium-2 Low-1
Question pattern: Maximum Marks 75

Section A		Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3*10=30)

S. Rajaraj

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M.A., ECONOMICS

OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER- IV CORE COURSE - XI

INTERNATIONAL ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit - 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.
Unit-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.
Unit-III: 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.
Unit-IV: 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.
Unit-V: 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.

Text Books:

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

References:

- 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)

Web references:

1. <https://www.worldbank.org/en/country/eu>.
2. <https://www.imf.org/en/Data>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Student know about various theories applicable in the international trade.	K1
CO2	Enumerate the recent theories supported to international trade	K2
CO3	Bring out the various components of balance of payments and adjustment mechanism	K3
CO4	Examine the role of foreign aid and of MNCs in the trade activities	K4
CO5	Examine the various types of exchange rate influences in the trade practice.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	2	2	4	1	2	3
CO2	4	2	3	4	1	2	3
CO3	3	2	4	3	1	2	2
CO4	2	2	3	2	1	2	2
CO5	2	2	4	2	1	2	2

Strong-3 Medium-2 Low-1

Question pattern: Maximum Marks 75

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3*10=30)

S. Rajan

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM
DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDIT SYSTEM
SEMESTER-IV CORE COURSE -XII

DEVELOPMENT ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	6	-	-	5	25	75	100

Course Contents

Unit – I :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.
Unit – II: Theories of Development Development as growth: (a) Harrod-Doman model (b) Rostow's stages of growth theory (c) Lewis theory (d) balanced and unbalanced growth (e) Neo classical growth theory – Solow Model- Contemporary theory of development: (a) New growth theory: Romer model (b) Underdevelopment as Co-ordination failure (c) Kremer's O-Ring theory of development- Dependency theory-path dependence in development: QWERTY- Geography and development: Krugman's theory.
Unit – III : Poverty, Inequality and Human Capital Measurement of inequality and poverty-Inverted -U hypothesis -Cause of inequality- Investing in education and health-the human capital approach- Education and Development (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.
Unit – IV: 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-sharecropping and interlocking factor markets- Rural urban migration –Todaro model –Rural credit markets (a) providers and characteristics (b) theories of informal credit markets: lender's monopoly and default collateral.
Unit- V: 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.

Text Books:

1. Jhingan M.L Jhingan B.K 2019, The Economics of Development and Planning, 42 ed., Virinda Publications
2. Agarwal, A.N Indian Economy, Problems of Development and Planning.

References:

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.

Web references:

1. [https://economicsconcepts.com/human_development_index_\(hdi\).ht.m](https://economicsconcepts.com/human_development_index_(hdi).ht.m)
2. <https://hdr.undp.org/data-center/human-development-index#/indicies/HDI>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Basic knowledge about conceptualization of development	K1
CO2	Theoretical knowledge of development economics	K2
CO3	Key indicators namely poverty, inequality and Human Capital	K3
CO4	Comparison between agriculture and rural development	K4
CO5	Evaluate the different policies available for development of fiscal and Monetary policies.	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	2	2	3	1	2	2
CO2	4	2	3	3	1	2	2
CO3	1	2	3	3	1	2	2
CO4	1	2	2	1	1	1	1
CO5	2	2	3	1	1	1	1

Strong-3

Medium-2

Low-1

Question pattern: Maximum Marks 75

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3*10=30)

S. Jayapriya

DEPARTMENT OF ECONOMICS

PG - LIST OF ELECTIVE COURSE

S.No.	SUBJECT CODE	TITLE OF THE PAPER	CREDIT
1	EC - I	Financial Economics ✓	3
		Modern Economic Thought	3
2	EC - II	Economics of Infrastructure ✓	3
		Regional Economics	3
3	EC -III	Behavioural Economics ✓	3
		Gender Economics	3
4	EC - IV	Environmental Economics ✓	3
		Resource Economics	3
5	EC -V	Economics in Everyday Life ✓	3
		Entrepreneurial Development	3
6	EC -VI	Maritime Economics ✓	3
		Economics of Social Issues	3

Semester - I Hours - 5
 Elective Course Code - P23ECDE2 - Credit - 3

MODERN ECONOMIC THOUGHT **ECI**

Course 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

RagnarNurske - 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 (COs):

Upon completion of this Course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Understand modern economic concept of role of Entrepreneur Innovation, BusinessCycles and Capitalism and Socialism.	K1, K2, K4
CO2	Ability to understand about Capital Formation, Disguised UnemploymentImperfect Competition andMathematical Economic Analysis	K1,K2, K3,K4
CO3	Understand the ideas ofPermanent Income Hypothesis, Revealed Preference Theory, Social Welfare Function and Samuelson's Utility Possibility Approach	K1,K2, K4
CO4	Gain knowledge about the ideas of Modern Indian Economists-Regional Economics,Ecological Theory of Population - Economics of Growth and Development-Economics of Fast	K1, K2, K4
CO5	Understand economic ideas like role of Technological Progress- Poverty -DeficitFinancing and Public Expenditure, Human Factor in Economic Growth and Inequalityand Concept of Capability	K1,K2,K3,K4

K1 - Knowledge, K2 - Understand, K3 - Apply, K4 - Analyse, K5 -Evaluate, K6 - Create.

CO-PO Mapping (Course Articulation Matrix)

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
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3	3	3	3	3

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool - Cause andEffect Matrix)

Assign the value

1 - Low, 2 - Medium, 3 - High, 0 - No Correlation

Semester I
Elective Course Code - P23ECDE5

Hours - 5
Credit - 3

REGIONAL ECONOMICS

EC11

Course Objectives

1. To equip the analytical skills required to analyse the regional economic issues
2. 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, Economic and Functional regions.

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

Neoclassical models – Dualistic models: Social dualism – Labour surplus model of Arthur Lewis- Migration and development: Harris-Todaro – Core-Periphery models: Myrdal's Cumulative Casuation 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 interregional 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 Governments, Regional Orientation 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.

References

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, Weidenfeld & Nicolson (London)

Web resources

1. <http://www.rri.wvu.edu/WebBook/Giarratani/contents.htm>
2. <https://researchrepository.wvu.edu/cgi/viewcontent3>
3. https://ddceutkal.ac.in/Syllabus/MA_Economics

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	understand the Nature and scope of regional economics and its need	K1, K3, K4
CO2	Discuss the Models of regional, inter-regional and multi-regional models	K4, K5
CO3	Evaluate the various theories of regional economic growth	K2, K3, K4
CO4	Describes the Measurement of interregional economic growth at State level	K4, K4
CO5	apply Regional Aspects of Stabilization and Growth Policy	K1, K4, K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	3	2	2	3	2	3
CO3	3	2	3	2	2	2
CO4	3	3	3	2	3	3
CO5	3	2	2	2	3	2
Weightage	14	12	14	14	12	13
Weighted percentage of Course Contribution to Pos	2.8	2.4	2.8	2.8	2.4	2.6

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)

Assign the value

- 1 – Low
- 2 – Medium
- 3 – High
- 0 – No Correlation

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS), KUMBAKONAM
DEPARTMENT OF ECONOMICS
M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDITS SYSTEM
SEMESTER - II

CORE COURSE -
EC III

ICODE: BEHAVIOURAL ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	5	-	-	3	25	75	100

Course Contents

UNIT I : Introduction History and Evolution of Behavioural Economics - Neoclassical Concept and Criteria for Economic Rationality - Causes of irrationality - Herbert Simon - Bounded Rationality Methods used in Behavioural Economics
UNIT II : Heuristics & Biases Advantages and Disadvantages of Heuristics - Availability Heuristic - Anchoring Heuristic - Representative Heuristic - Self Evaluation Biases and Projection Bias
UNIT III : Animal Spirits and its impact on Economic Decisions Confidence - its feedback mechanism that amplifies disturbances - Fairness - Its influence in setting wages and prices - Corruption and Antisocial behaviour - Money Illusion - Improper interpretation of inflation and deflation
UNIT IV : Prospect Theory Conventional approaches to modifying Expected Utility theory - Prospect theory and Endowment effect - Reference points and Loss Aversion - Shape of the utility function - Decision weighting
UNIT V : Mental Accounting Nature and Components of mental accounting - Framing and Editing - Budgeting and Fungibility - Choice Bracketing and Dynamics

TextBooks:

1. Phillip Corr and Anke Plagnol Behavioral Economics: The Basics 1st Edition, Kindle Edition, Routledge, 2018, 2. Dan Ariely Predictably Irrational: The Hidden Forces That Shape Our Decisions, Harper Collins, 2009. 3. David Correll Behavioral Economics: Psychology, Neuroscience, and The Human Side of Economics (Hot Science) Icon Books Ltd, 2021

Books for reference:

1. Nick Wilkinson and Matthias Klaes (2012) An Introduction to Behavioural Economics 2nd Edition, Palgrave Macmillan, London
2. David R. Just (2014) Introduction to Behavioural Economics, Wiley Publication, New Jersey

Web references:

1. www.behavioraleconomics.com/BEGuide2017.pdf
2. academic.oup.com/restud/pages/behavioral_economics,
3. <https://www.behavioraleconomics.com/>

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Instruct the students about the course of behavioural economics	K1
CO2	Students themselves known self evaluation biases and projection bias	K2
CO3	Motivate the students and improve the confidence namely fairness setting wages prices and money illusion	K3
CO4	Theoretical knowledge to modify expected utility theory and loss Aversion	K4
CO5	Practical knowledge about mental accounting and choice breaking and dynamics	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	3	3	3	2	2
CO2	3	2	3	3	3	2	2
CO3	3	2	3	3	3	2	2
CO4	4	2	3	4	3	2	2
CO5	4	2	3	4	3	2	2

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice questions from each unit (10X1=10)	1 (a & b) question from each unit (5X5=25)	1 question from each unit (3X10=30)

S. Rajaraj

Semester - II
Elective Course Code - P23ECDE8

Hours - 5
Credit - 3

GENDER ECONOMICS

EC III

Course Objectives:

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

Unit I: Introduction

Definition- Objectives of Gender Studies - Importance of gender Studies -Women and work: unpaid, underpaid and casualwork - 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

Unit 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

Unit 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.

Unit 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.

Unit V: Social issues and Women in Indian Planning

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.

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.

References

1. Humphries, J. (1995). *Gender and economics*. EdwardElgar 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.

Web Resources

1. https://www.academia.edu/9_Ch_1_Gender_Economi..
2. <https://ftp.iza.org/>.
3. <https://www.oecd.org/derec/worldbankgroup>

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the Gendered jobs and Social Inequality	K1, K3
CO2	describes the Issues of wage discrimination and exploitation in unorganised sector	K3,K4
CO3	Explain the Gender issues in Health, Environment, Family welfare Measures	K4,K5
CO4	Evaluate the Impact of Globalization on working women and National Policy for the empowerment of women 2001	K1, K3,K4
CO5	Assess the Initiatives towards recognition of women as agents of development from sixth five year plan.	K1,K4,K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PS01	PS02	PS03	PS04	PS05	PS06
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
Weightage	12	11	14	15	12	14
Weighted percentage of Course Contribution to Pos						

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool – Cause andEffect Matrix)

Assign the value

1 – Low, 2 – Medium, 3 – High, 0 – No Correlation

Semester - II
Elective Course Code - P23ECDE10
Environmental Economics Course
Hours - 5
Credit - 3

Objectives:

1. To make the students to understand consumer behavior with the theories of Demand and Production.
2. To elaborate various market structure and the theories of distribution.

Unit-I: Economy and the Environment

The interaction between the economic system and the environmental system - The Material Balance model- Effects of pollution: Local and global air pollution (acid rain, ozone depletion, global warming), water pollution, municipal solid waste.

Unit-II: Market and the Environment

Market failure and environmental damage- Environmental damage as an externality- Environmental goods as public goods-Pollution control Policies- Command-and-control policy.

Unit-III: Environmental Valuation

Cost-Benefit analysis- Methods of environmental valuation-Revealed preference methods: Hedonic pricing method, travel cost method: -Stated preference approach; Contingent Valuation Method.

Unit-IV: Natural Resource Economics

Types of natural resources, -Allocating non-renewable resources: The Hotelling Theorem -Renewable resources- Forests: Frontier model and immiserisation models of deforestation; Consequences of deforestation; Common Property Resources (CPRs) - Characteristics of CPRs - Dissipation of Hotelling rents ("tragedy of the commons") - Ostrom's "design principles" for sustainable local CPR governance.

Unit-V: Economic Growth and the Environment

The environmental Kuznets curve- The "limits to growth" Club of Rome model.-Theories of sustainable development :weak sustainable development and strong sustainable development - sustainability rules:"green national accounts";genuine savings- Link between poverty and environmental degradation- Economics of Climate Change.

Textbooks

1. Karpagam. M, (2017), Environmental Economics-Third Edition, Sterling Publication Pvt. Ltd, Noida.
2. Nick Hanley, Jason Shogren and Ben White, (2013), Introduction to Environmental Economics, Second Edition, Oxford University Press, Oxford.
3. Eugene .T Environmental Economics, Oxford University Press, New Delhi. (2014),
4. Hanley N, Shogren JF, White B "Environmental Economics in Theory and Practice", 2nd Edition. Palgrave Macmillan, 2007
5. Kolstad, Charles D, (2000), Environmental Economics, New York: Oxford University Press,

Reference Books

1. Maureen L. Cropper and Wallace E. Oates, "Environmental Economics: A Survey", Journal of Economic Literature, Volume 30, 1992,
2. Barry C. Field, (1994) Environmental Economics: An Introduction, Singapore, McGraw-Hill,
3. Hussen, Ahmed.M.(1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London:Routledge.

5. Mark Maslin(2014) "Climate Change: A Very Short Introduction 3rd Edition Oxford University Press.

Web Resources

1. <https://unfccc.int/>
2. <https://www.undp.org/>
3. <http://moef.nic.in/>
4. <https://www.envis.nic.in>
5. <https://www.unep.org>

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Have a better understanding of Environment-Economy Linkages.	P01, P02,P05
2	Apply environmental concepts to Economic Theories.	P02,P03
3	Create economic policies incorporating Environmental Issues.	P05, P07
4	Analyse the methods to value Environment Pollution.	P02,P03
5	Evaluate the need for reduction of Pollution.	P02,P07

Mapping with Programme Outcomes:

	P01	P02	P03	P04	P05	P06	P07	P08
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	3
CO2	3	3	2	2	3
CO3	3	3	2	3	3
CO4	2	3	2	3	3
CO5	3	3	2	3	3
Weightage	14	15	10	13	15
Weighted percentage of Course Contribution to PSOs	2.8	3	2	2.6	3

S-Strong-3

M-Medium-2 L-Low-1

Semester - II
Elective Course Code - P23ECDE11 Credit - 3
RESOURCE ECONOMICS

Hours - 5

ECIV

Course Objectives:

1. To trace the resources in the country
2. To understand the quality of the available natural resources.

Unit 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.

Unit 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

Unit 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

Unit 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)

Unit 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

Text Books:

1. M.L.Jhingan, ChandarK.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 Economicsand 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 Outcomes (COs):

Upon Completion of this course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Ability to understand land resources in India and the issues related to it	K1, K2, K3K4
CO2	Assess the availability of Forest resources and understand the methodsto conserve the resources	K1,K2, K3K4
CO3	Understand the water resources in thecountry and related environmental issues	K1,K2, K3K4
CO4	Trace the mineral resources in the country	K1, K2, K3K4
CO5	Ability to know about conservation of Natural Resources	K1,K2,K3,K4

K1 - Knowledge, K2 - Understand, K3 - Apply, K4 - Analyse, K5 -Evaluate, K6 - Create.

CO-PO Mapping (Course Articulation Matrix)

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
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3	3	3	3	3

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool - Cause andEffect Matrix)

Assign the value

- 1 - Low
2 - Medium
3 - High
0 - No Correlation

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M.A., ECONOMICS
OUTCOME BASED EDUCATION CHOICE BASED CREDIT SYSTEM
SEMESTER- III ELECTIVE COURSE -V

ENTREPRENEURIAL DEVELOPMENT

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	4	-	-	3	25	75	100

Course Contents

Unit 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.
Unit II: Entrepreneurial Growth Entrepreneurial Growth Economic & Non-Economic Factors – Role of Government Entrepreneurial Motivation – Theories – factors- Entrepreneurial Development – Need, Objectives, Phases Evaluation.
Unit III: Project Formulation and Selection Projects & Entrepreneur Meaning – Identification – Selection- Project Formation: Meaning and Significance - Contents of a Project Report – Formation- Planning Commission Guidelines.
Unit 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.
Unit V: 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).

Text Books:

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. 4. Poornima M. Charantimath, (2007). Entrepreneurship Development and Small Business Enterprises. Pearson Education, New Delhi.

Books for reference:

1. Vasant Desai, (2008). Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, New Delhi.
2. Robert D. Hisrich, Michael P. Peters and Dean A. Shepherd, (2007) Entrepreneurship, Tata McGraw Hill, New Delhi.

Web references:

1. <https://www.startupindia.gov.in/content/sih/en/resources/1-d-listing.html>
2. <https://elearningindustry.com/entrepreneurship-and-elearning-top-5-elearning-options-newbie-entrepreneurs>

Note: Latest edition of the books may be used

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	Understand the concept of Entrepreneurship	K1
CO2	Ability to learn the factors involved in business	K2
CO3	Identify the process involved in the project	K3
CO4	Assess the methods of Project Appraisal	K4
CO5	Acquire the knowledge about source of Finance	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	2	3	3	2	3
CO2	3	3	2	3	3	2	3
CO3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	3	3
CO5	3	3	2	3	3	2	3

Strong-3

Medium-2

Low-1

Question pattern:

Section A		Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 question from each unit (5X2=10)	1 (a & b) question from each unit	1 question from each unit

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SEMESTER **IV** ELECTIVE COURSE **VI**

CODE: MARITIME ECONOMICS

Category	Hours			Credits	Marks		
	Lecture	Tutorial	Practical		CIA	External	Total
Theory	5	-	-	3	25	75	100

Course Contents

Unit 1: Basic Concepts of Maritime Economics

Meaning-Nature- Scope and Importance- Challenges of Maritime Economics - Basic Analytics and Economic Concepts: Time Value of Money - Decision Making and Risks.

Unit 2: Demand and Supply

Demand and Supply - law of Demand and Supply- Measures of Economic Activity - Derived Demand And Supply - Elasticity of Demand And Supply - Factors Influencing Demand and Supply.

Unit 3: Maritime Shipping

Maritime Shipping: Evolution- Characteristics - Importance Of Shipping -Factors Affecting Shipping Business - Composition Of The Shipping Industry- Shipping Conferences - Shipping Policies- Problems Of Maritime Shipping. Shipping Transports: Types - Challenges. Cargo: Types, Functions. Role of Maritime Shipping in India- Marine Insurance- Objectives and Features.

Unit 4: Maritime Trade Economy

History of Maritime Trade - Basic Concepts of Maritime Trade- Principle of Sea Borne Trade- Relationship between International Trade & Domestic Trade Importance- Importance of Maritime Trade- WTO regulations & Roles of Global Trade- International Maritime Trade Laws.

Unit 5: Trends in Maritime Economy

Trends in maritime Economy: Impact on National Economy and World Economy- Maritime Industry in India - International Maritime Organization- Features- Functions - Recent Trends In Maritime Trade in Developing and Developed countries.

Text Books:

1. Martin Stopford, Maritime Economics, Third Edition, 2009, Routledge Publisher
2. Wayne K. Talley, The Blackwell Companion to Maritime Economics, 2012, Wiley-Blackwell Publisher

Books for reference:

1. Jansson, J.O. & Shincerson, D. (1982): "The optimal ship size", Journal of Transport Economics and Policy, v. 16, n. 3, pp. 217-38.
2. Costas Grammenos, (2010) The handbook of Marine time Economics and Books, Routledge.
3. Elias Karakitsos and Lambros Varnavides (2014) Maritime economics a Macroeconomic approach palgrave Macmillan

Web references:

1. <https://www.economist.com/business/2018/10/27/sulphuremissions-rules-for-shipping-will-worsen-global-warming> EY (2017): Repositioning Greece as a global maritime capital.
2. [https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/\\$FILE/Shipping_Survey_en_short.pdf](https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/$FILE/Shipping_Survey_en_short.pdf)

Note: Latest edition of the books may be used

Course Outcomes : On completion of the course, students will be able to:		Level
CO1	To understand the knowledge of challenges of Maritime Economics	K1
CO2	To know the factors influencing demand and supply	K2
CO3	Identify types of shipping and to know shipping policies	K3
CO4	Gain in-depth knowledge in maritime trade in economy	K4
CO5	Analyze the impact and trends in developed and developing countries	K5 & K6

Mapping of Course Outcomes with Pos

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	4	2	4	2	-	-	-
CO2	3	2	3	2	-	-	-
CO3	2	1	2	1	-	-	-
CO4	4	1	4	1	-	-	-
CO5	2	1	4	2	-	-	-

Strong-3

Medium-2

Low-1

Question pattern:

Section A	Section B	Section C
2 Multiple choice question from each unit (10X1=10)	1 (a & b) question from each unit	1 question from each unit

S. Rajaraj