

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

NAGAPATTINAM – 611001

(Nationally Re-accredited with “A” Grade by NAAC – 4th Cycle)

PG & RESEARCH DEPARTMENT OF ECONOMICS

(for the candidates admitted from the academic year 2024-2025 onwards)

M.A. Economics



SYLLABUS

2024-2025

Programme Educational Objectives (PEO)

PEO-1 To become ethical persons who think like economists and serve the society.

PEO-2 To be provided with structured syllabi which support the academic development of them

PEO-3 To prepare students for employment and further studies in Economics.

PEO-4 To be provided well resourced learning environment for Economics.

PEO-5 To be equipped with the opportunities to apply economic principles in policy issues of the Economy

Programme Outcomes – PG

At the end of a Post-Graduate programme students of Economics should be able to

PO-1 Academic Proficiency:

To understand theoretical and analytical aspects with advanced economic theories and concepts..

PO-2 Personal and Professional Proficiency:

Develop the theoretical, interdisciplinary training necessary for the understanding the application of Economics, Economic policies.

PO-3 Research Proficiency:

Demonstrate a thirst for advanced learning and research in their domain of interest so as to address economic and social related problems faced by the society.

PO-4 Entrepreneurial and Social Proficiency:

Exhibit competent skills to become successful entrepreneurs and leaders who will engage in policy making and apply economic theory to real world issues as well as critically evaluate market economy.

PO-5 Social ethics and environmental responsibilities:

Emerge as responsible citizens who engage in activities that promote wellness in the community and environmental sustainability.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: Demonstrate an understanding of complex economics mechanism that characterize modern society and to develop ability to present economic theory and applications in decision making in real life.

PSO2: Analyse and investigate economic theory and issues in the field of economics as well as contemporary socio-economic problems along with formulation and analyses of policy.

PSO3: – To adopt the digital advancement in the field to understand complex economic mechanism using statistical tools and packages and to embrace new opportunity in emerging technology.

PSO4: – Develop understanding of economic trade-offs and social values, impact public/private socio-economic policy for the achievement of intended outcomes which provide skills to become empowered and forecast outcomes of the policy as an entrepreneur employed in various positions.

PSO5: – Demonstrate the ability to employ the “economic way of thinking.” i.e. the ability to use critical thinking skills within the discipline of economics about economic matters, social and moral ethic

CURRICULUM STRUCTURE
M.A ECONOMICS
(For I Year 2024 Batch onwards)

Category of Courses	No. of Courses	Hrs	Total Credits
Core Courses (CC)	12	72	54
Core Choice Courses(CCC)	3	18	12
Elective Courses(EC)	3	16	11
Entrepreneurship/ Industry Based Course	1	4	3
Internship	0	0	2
Skill Enhancement Courses (SEC)	2	4	4
Project	1	6	4
Value Added Courses (Extra Credit)*	2	0	4
TOTAL	22+2	120	90+4

M.A. ECONOMICS
SCHEME OF EXAMINATIONS – 2024-2026 Batch

SEMESTER I						
COURSE TYPE	COURSES	HRS	CRE DITS	EXAM DURA TION	MAX. MARKS	
Core Course I	CC I - ADVANCED MICRO ECONOMICS THEORY -I	6	5	3	25	75
Core Course II	CC II - - MACRO ECONOMICS THEORY AND POLICY -I	6	4	3	25	75
Core Course III	CC III - INDIAN ECONOMIC DEVELOPMENT AND POLICY	6	5	3	25	75
Core Choice Course I	CCC I - - HUMAN RESOURCE DEVELOPMENT/WELFARE ECONOMICS	6	4	3	25	75
Elective Course I	EC I - STATISTICS FOR ECONOMISTS	6	4	3	25	75
	No. of Courses –5	30	22			

SEMESTER II						
COURSE TYPE	COURSES	HRS	CRE DIT S	EXAM DURA TION	MAX. MARKS	
Core Course IV	CC IV - ADVANCED MICRO ECONOMICS THEORY -II	6	5	3	25	75
Core Course V	CC V - MACRO ECONOMICS THEORY AND POLICY -II	6	4	3	25	75
Core Course VI	CC VI - MATHEMATICAL ECONOMICS	6	4	3	25	75
Core Choice Course II	CCC II - RESOURCE ECONOMICS /RURAL ECONOMICS	6	4	3	25	75
Elective Course II	EC II - LABOUR ECONOMICS	4	4	3	25	75
Skill Enhancement Course I	SEC I - ECONOMICS FOR COMPETITIVE EXAMINATION	2	2	3	25	75
Value Added Course I	VAC I –SWAYAM / MOOC	-	2	3	0	100
	No. of Courses –7	30				
Internship/Industrial Activity during the Summer Vacation after I Year						

SEMESTER III						
COURSE TYPE	COURSES	HRS	CREDITS	EXAM DURATION	MAX. MARKS	
Core Course VII	CC VII - MONETARY ECONOMICS	6	5	3	25	75
Core Course VIII	CC VIII - DEVELOPMENT ECONOMICS	6	4	3	25	75
Core Course IX	CC IX - RESEARCH METHODOLOGY	6	5	3	25	75
Core Choice Course III	CCC III - AGRICULTURAL ECONOMICS /ENTREPRENEURIAL DEVELOPMENT	6	4	3	25	75
Industry Based Course I	IBC I - INDUSTRIAL ECONOMICS	4	3	3	25	75
Skill Enhancement Course II	SEC II - ECONOMICS IN EVERYDAY LIFE	2	2	3	25	75
Internship/Industrial Activity	Internship/Industrial Activity	-	2			
Value Added Course II	VAC II – CALCULATION OF INCOME TAX	-	2	3	0	100
	No. of Courses –7	30				

SEMESTER IV						
COURSE TYPE	COURSES	HRS	CREDITS	EXAM DURATION	MAX. MARKS	
Core Course X	CC X - INTERNATIONAL ECONOMICS	6	5	3	25	75
Core Course XI	CC XI - PUBLIC ECONOMICS	6	4	3	25	75
Core Course XII	CC XII - CONTRIBUTIONS OF NOBEL LAUREATES IN ECONOMICS	6	4	3	25	75
Core Course XIII	CC XIII - Project	6	4	3	25	75
Elective Course III	EC III - - URBAN ECONOMICS	6	3	3	25	75
	No. of Courses –	30				
	Grand Total	120	90+4			

Semester – I/CC -I	Advanced Micro Economic Theory- I	Course Code :
Instruction Hours : 6	Credits : 5	Exam Hours: 3
Internal Marks : 25	External Marks : 75	Total Marks : 100

Cognitive Level	K1-Recalling K2-Understanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating	
Course Objectives	The Course aims <ul style="list-style-type: none"> • To make the students aware of consumer behavior's theories. • To learn various theories of production function. • To enable the students to understand the price discrimination in perfect competition • To learn various theories of oligopoly • To understand the different pricing theories of firm 	
UNIT	Contents	No. of Hours
I	DEMAND ANALYSIS Indifference Curve - Meaning - Characteristics - Consumer's Equilibrium-Revealed Preference Theory- Hicksian Reformulation Theory - Consumer Choice Involving Risk- N.M Hypothesis – Friedman - savage Hypothesis - Markowitz Hypothesis.	18
II	THEORIES OF PRODUCTION FUNCTION Cobb-Douglas, CES Production Function - Euler's Theorem - Law of Variable Proportions -Technical Progress of Production Function.	18
III	PRODUCT PRICING – I Perfect Competition: Meaning - Features - Short run and Long run Equilibrium -Price Discrimination -Monopoly - Bilateral Monopoly and Monopsony	18
IV	PRODUCT PRICING – II Duopoly - Cournot, Bertrand, Edgeworth, Stackelberg Model, Hotelling Model and	18

	Chamberlin Model; Oligopoly: Meaning - Characteristics - Sweezy Model- Collusive Oligopoly - Cartels: Joint Profit Maximisation Model - Market Sharing Cartel - Price Leadership- Low Cost Price Leadership Model - Dominant Firm Price Leadership Model - Barometric Price Leadership Model - Non- Price Competition in Oligopoly.	
V	PRICING THEORIES OF FIRM Neo - Classical Theory of Firm - Marginal Cost Pricing Theory - Hall and Hitch – Full Cost Pricing Theory - Average Cost Pricing, Mark-up rule, Bain’s Limit Pricing Theory- Sylos -Labini’s Model of Limit Pricing Theory.	18

Text Book

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

References

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

Web Resources:

1. <http://open.oregonstate.edu/intermediatemicroeconomics/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 (Cos):

Upon Completion of this course, the Students will be able

On completion of the course students should be able to

CO1: Find out the price of the product

CO2: Understand the cost of production of the product

CO3: Know the procedure of price fixation in perfect competition

CO4: Understand the profit level of oligopoly and duopoly market.

CO5: Know about the different condition of price fixation

Mapping of Course outcomes with Programme outcomes / Programmes Specific outcomes

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –I/ CC-II	Macro Economics Theory and Policy-1	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To make the students be aware of the concepts of macro economics. • To develop the skill of calculating National Income. • To aware of various theories of Employment. • To make the students to be aware of the Consumption Function. • To understand the rational behavior of the producer

UNIT	Contents	No. of Hours
I	INTRODUCTION TO MACRO ECONOMIC ANALYSIS Macro Economic Concepts – Nature and Scope - Importance - Limitations – Macro Statics - Dynamic and Comparative statics - National Income Accounting- Definition- Concepts and components- Methods of Measuring National Income - Difficulties in Calculation- Circular Flow Model: Two Sector- Three Sector- Four Sector Model.	18
II	THEORIES OF EMPLOYMENT Classical theory - Keynes Theory of Employment – Principles of Effective Demand- Aggregate Supply Function - Aggregate Demand Function - Comparison and Contrast Between Classical and Keynes’s Theory	18
III	CONSUMPTION FUNCTION Concepts – Keynes Psychological Law - Determinants of Consumption Function - Theories: Absolute Income Hypothesis- Relative Income Hypothesis- Permanent Income Hypothesis- Life Cycle Hypothesis.	18
IV	NEW CLASSICAL MACRO ECONOMICS Supply Side Economics - Rational Expectations Hypothesis - New Classical Macro Economics – Labour Market – Goods Market - Policy Implications	18
V	NEW KEYNESION & MACRO ECONOMIC POLICY New Keynesion Macro Economics - Meaning - Objectives - Components - Monetary Policy: Meaning - Objectives and Components, Income Policy: Meaning, Objectives and Components - Trade off in Policy - Objectives - Problems of coordination of Macro Economic Policy.	18

Text Book

1. M.L. Jhingan - Macro Economics, Vrinda Publication Ltd, 2014.
2. D.N. Diwedi - Macro Economic Theory and Policy Tata McGraw Publishing Company Limited New Delhi, 2001.
3. Shapiro, E. - Macro Economic Analysis, Galgotia Publication, New Delhi, 1996.
1. Reddy. R.V - A Review of Monetary and Financial Sector Reforms in India – A Central Baker’s Perspective, UBSPD, New Delhi. 1982
2. Edward Shapiro. - Macro Economics , Harcourt Brace, Jovanovich, Inc, newYork, 2001.
3. Lucas. R - Studies in Business Cycle Theory, M.I.T. Press, Cambridge, Masscechusetts, 1981.

Web- Resources

1. <http://www.Principles of Macro Economics, Soumyeb Sikdar, 2nd Edition, Oxford Publication>
<http://www.nlist.inflibnet.ac.in>

Course Outcomes (Cos):

on Completion of the course , Students should be able to

CO1: Know the static and dynamic features of the Economy

CO2: Understand, how to calculate the National Income.

CO3: Find out, which theory of employment is more benefited in the economy

CO4: Understand the various theories of consumption functions.

CO5: Know the rational behavior of the producer

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –I/ CC III	INDIAN ECONOMIC DEVELOPMENT AND POLICY	Course Code :
Instruction Hours:6	Credits:5	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To provide the Structural changes understanding in Indian economy • To aware the Performance of agricultural and Industrial sector • To learn the trends in the economy • To learn the Impact of Poverty • To understand the Social Issues like Unemployment, Gender disparities

UNIT	Contents	No. of Hours
I	Introduction Growth and Structural Changes in Indian economy at Independence- The policy framework: transition to market-oriented policy, NITI Aayog- Two phases of growth (1950-1980 and 1980 onwards) - Structural changes in Indian economy.	18
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 - Issues in performance of public sector enterprises and privatization.	18
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.	18
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- Inequality in India in	18

	pre and post liberalization periods.	
V	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.	18

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

Reference Books:

1. KaushikBasu (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. AshimaGoyal (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 (Cos):

on Completion of the course , Students should be able to

CO1: Understand the Structural change in Indian economy

CO:2: Assess the Performance of agricultural and Industrial sector

CO3: Ability to learn the trends in the economy

CO4: Understand the Impact of Poverty

Co:5 Identify Social Issues like Unemployment, Gender disparities

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –I/ CCC-I-A	HUMAN RESOURCE DEVELOPMENT	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To understand the outline of HRM and concepts • To enable students to acquire knowledge on effective utilization of manpower and to maintain a harmonious employee-employer relationship among the work teams • To understand the trends in training and developing the manpower acquired • To aware the methods to improve the performance • To understand the Compensation Management

UNIT	CONTENTS	NO. OF HOURS
I	Introduction to Human Resource Development (HRD) Evolution of HRD - Concept of HRD - Objectives and Function of HRD - Role and Responsibilities of HR Manager - Relevance of HRD - Systems approach to HRD	18
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.	18
III	Training and Development Training and Development: Training Needs, Training Methods, Application of Computers in Training, Developing Effective Training Programmes - Management Development Programmes.	18
IV	Performance Appraisal Concept and Objectives of Performance Appraisal - Process of Performance Appraisal - Criteria for Performance Appraisal - Benefits of Performance Appraisal - Limitation and Constraints - Transfer Air Separation: Promotion, Purpose, Principles, and Types; Transfer: Reasons, Principles and Types; Separation: Lay-Off, Resignation, Dismissal.	18
V	Compensation Management Compensation Management, Major Elements of Compensation Management - Incentives: Concepts, Types of Incentives; Incentives schemes in Indian Industries; Discipline and Employees' Grievance Redressal - Emerging Trends in HRM.	18

Text Books:

1. Dessler, Gray, and Biju Varkkey, (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, 3edition, Prentice-Hall of India, New Delhi.
3. Dwivedi, R.S. (200) 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 (Cos):

on Completion of the course , Students should be able to

CO1: To understand the outline of HRM and concepts therein

CO2: To know the approaches in acquiring the human talents

CO3: To analyze the trends in training and developing the manpower acquired

CO4: To identify the methods to improve the performance

CO5: To gain insight to motivate and retain the employees

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –I / CCC-I B	WELFARE ECONOMICS	Course Code :
Instruction Hours:4	Credits:3	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To understand the fundamentals as well as development in the field of Welfare Economics • To know the importance of welfare Economics • To learn different theories of welfare. • To understand the new welfare theories of Economics • To learn the grand utility analysis of welfare

UNIT	Contents	No. of Hours
I	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.	18
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.	18
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	18
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.	18

V	<p align="center">Theories of Social Choice</p> <p>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</p>	18
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Text Books

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

- on Completion of the course , Students should 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 of Course outcomes with Programme outcomes / Programme Specific outcomes

CO /PO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S	S	S	S	S	S	S	M	S	S
CO2	S	S	M	M	S	M	S	M	S	M
CO3	S	S	M	M	S	S	S	M	S	M
CO4	S	S	S	M	S	M	S	M	S	M
CO5	S	S	S	S	S	M	S	M	S	S

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –I /EC-I	STATISTICS FOR ECONOMISTS	Course Code :
Instruction Hours:6	Credits:5	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100
Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating	
Course Objectives	The Course aims <ul style="list-style-type: none"> • To provide the basic Probability rules and theoretical distributions. • The course facilitates in inferring knowledge on the various sampling methods and testing Of Hypotheses • To provide the t test and chi square for analysis • To learn the importance of one and two way ANOVA • To enable the students to know the various decision making tools available 	

UNIT	Contents	No. of Hours
I	Probability Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Theoretical Distributions - Binomial, Poisson and Normal- Properties only.	18
II	Hypothesis Testing Sampling Theory - Types of Sampling - Sampling Distributions - Parameter and Statistic - Testing of Hypothesis –null and alternative hypothesis - Level of Significance - Type I and Type II Errors - Standard Error – Uses of standard error.	18
III	Test of Significance Large and Small Sample Difference between Large and Small Samples - Test of Significance for Large Samples - Test for single proportion- difference of proportion- single mean-difference of two Means and Standard Deviations - Small Sample Test – t-test - Paired t- test - Chi-square Test- Test of independence of attributes	18
IV	Analysis of Variance F test: Assumptions in F test - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.	18
V	Statistical Decision Theory Definitions – Concepts – Maximin - Minimax - Bayes Criterion - Expected Monetary Value -Decision Tree Analysis: Symbols - Steps - Advantages .	18

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.

References:

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 & Chand Sons, New Delhi.

Web Resources

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 should be able to

CO1: Summarize 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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –II/CC -IV	Advanced Micro Economic Theory-II	Course Code:
Instruction Hours:6	Credits:5	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To make the students to be aware of applications and different theories in Micro Economics. • To highlight the practical applications of two sector model. • To make the students to understand Economics of risk. • To understand the different theories of searching. • To know about the Welfare Economics

UNIT	Contents	No. of Hours
I	DISTRIBUTION Macro Theories of Distribution: Functional Distribution - Personal Distribution - Theory of Distribution: Ricardian - Marxian- Marginal Productivity Theory of Distribution - Kelecki Degree of Monopoly Theory – Keynesian or Kaldor Model –Sraffa Model - Euler’s Theorem	18
II	GENERAL EQUILIBRIUM General Equilibrium – Meaning –Application –Problem Existence stability and Uniqueness of Equilibrium Walrasian Excess Demand model – 2x2x2 model.	18
III	ECONOMICS OF UNCERTAINTY Individual Behaviour Towards Risk- Certainty Equivalence Approaches - Risk Version - Gambling - Insurance - Problems - Choice Between Insurance and Gambling - Asset Portfolio Selection	18
IV	THEORY OF SEARCHING AND MARKET SIGNALING Theory of Search - Stigler’s Model - Rothschild’s Model - Salop’s Model - Salop and	18

	Stiglitz's Model - Asymmetric Information - Market Signaling - Efficient Market Hypothesis - Types - Limitations.	
V	WELFARE ECONOMICS Welfare Economics: Concepts - Old Welfare Idea - Pigou - Pareto's optimality - Social Welfare Functions - Compensation Criteria - Kaldor, Hicks criteria - Arrow's Impossibility Theorem - Market Failure & Externalities Theory of Second Best	18
	TOTAL	90

Text Book

1. Koutsoyiannis, A - Modern Micro Economics 2nd Edition Macmillan Publication, 1980.
2. Jhingan. M.L - Advanced Micro Economic Theory, 12th Edition , Vrinda Publication Private Limited, 2018

References Books

1. Ahuja H.L - Advanced Economic Theory, 11th Edition, S Chand and co., Ltd., Ram Nagar, New Delhi, 2015.
2. Agarwal H.S - Principles of Economics, 2010.
3. Waston - Price theory and uses scientific book Co., Calcutta, 2011.
4. Stigler G - Theory of prize 4th edition prentice hall of India, New Delhi. 2017.
5. Thomas Nagle, John E. Hogan & Joseph Zale - "The Strategy and Tactics of Pricing". 5th Edition, Pearson International Edition, 2013.

Web- Resources:

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

Course Outcomes (Cos):

On completion of the course students should be able to

CO1: Know the distribution of returns of the Economy

CO2: Understand the Difference between one sector and Two sector model of general Equilibrium

CO3: Aware of Individual Behaviour of risk and gambling

CO4: Find out the Lowest price of the Commodity Through searching Theory

CO5: Know the welfare schemes introduced by the Government

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –II/CC-V	Macro Economic Theory and Policy-II	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • This course on macro economics intends to make the students understand the general Equilibrium in the Economy and its models and approaches • This course also the role of rational expectations influencing macro economics variables, models of income and the various approaches to the working of business cycles • To enable the students to understand the major propositions of new Keynesian macroeconomics • To know the importance of the open economy model in post Keynesian era • To enable the students to understand the stabilization policies such as fiscal and monetary policy on the economy

UNIT	Contents	No. of Hours
I	INVESTMENT FUNCTION Keynes Theory of Investment - Marginal Efficiency of capital - Marginal Efficiency of Investment - Investment Multiplier - The Principle of Acceleration -The Multiplier - Concept of Super Multiplier.	18
II	THEORY OF INTEREST Classical - Neo Classical Theories - Keynesian Liquidity Preference Theory Post Keynesian Theory -Integration of Real and Monetary Sectors Through IS and LM Functions – Dynamic Shifting of IS and LM Functions	18
III	INFLATION & STAGFLATION Inflation - Meaning- Types - Inflationary Gap - Causes - Relation between Unemployment and Inflation - Phillips Curve - Long-Run Phillips Curve - Tobin’s View- Solow’s View - Rational Expectations- implications of Phillips Curve - Measures to Control Inflation - Effects of Inflation – Stagflation: Meaning- Friedman’s View - Measures to Control Stagflation.	18

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.	18
V	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	18

Text Books

- 1.M.L. Jhingan - Macro Economics, Vrinda Publication Ltd, 2014.
- 2.D.N. Dwivedi - Macro Economic Theory and Policy Tata McGraw Publishing Company Limited New Delhi , 2001
- 3.Reddy. R.V - A Review of Monetary and Financial Sector Reforms in India – A Central Baker’s Perspective, UBSPD, New Delhi.2001

Reference Books

1. Edward Shapiro. - Macro Economics , Harcourt Brace, Jovanovich, Inc, New York, 2001.
2. Lucas. R - Studies in Business Cycle Theory, M.I.T. Press, Cambridge, Masscehsetts, 1981.
3. Shapiro, E. - Macro Economic Analysis, Galgotia Publication, New Delhi, 1996.

Web- Resources:

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

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 (Cos):

on Completion of the course , Students should 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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester – II /CC VI	MATHEMATICAL ECONOMICS	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To introduce students to the basic building blocks of mathematical analysis used in modern economic theory • To equip the students with mathematical tools and to optimize both static and dynamic economic environment • To enable students to understand the technical writing appear in standard economic journals • To know the dynamics of macroeconomic policies in an economy • To enable students to understand the growth process in an economy

UNIT	Contents	No. of Hours
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, open and closed models , quadratic equation, characteristic (eigen) roots and vectors	18
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.	18
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	18

	homogenous functions, Euler's theorem, Cobb – Douglas Production Function - Constrained Optimization-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	18
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- Difference Equations - Types-Linear Difference Equations with Constant Coefficients (First and Second order) and solutions	18
	TOTAL	90

Textbooks:

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.

References:

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 (Cos):

on Completion of the course , Students should be able to

CO1: Understand the mathematical structure of standard economic theoretical framework

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 macroeconomic policies in an economy

CO5: analyse mathematically the dynamics of the growth process in an economy

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester – II/ CCC –II- A	RESOURCE ECONOMICS	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To trace the Natural resources in the country • To understand the quality of the available natural resources • This course would provide an understanding of the water resources in the country and related environmental issues • To understand the mineral resources in the country • To understand the conservation of Natural Resources

UNIT	Contents	No. of Hours
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.	18
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	18
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	18
IV	Mineral Resources	18

	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	18

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 ReeCs (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 Outcomes (Os):

on Completion of the course , Students should 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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –II-CCC-II B	RURAL ECONOMICS	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To understand the nature and scope of rural economics • To know about the theories of rural development and rural resources • To analyse the rural demography and occupation structure • To learn the importance of rural poverty and unemployment • To understand the rural empowerment programs

UNIT	Contents	No. of Hours
I	Introduction to Rural Economics Nature and Scope of Rural Economics - Inter-disciplinary approach of Rural Economics – Components - Structure and Characteristics -Pre and Post-independence - Rural Development: Meaning, Nature and Scope - Factors Affecting Rural Growth	18
II	Rural Resources and Rural development theories Rural Resources: Nature, Types and Magnitude - Rural Resources Management and Development -Problems and prospects - W.W. Rostow’s - Lewis-Fei-Ranis and Gandhian Approach to Rural Development	18
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.	18
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.	18
V	Rural Empowerment Programmes Bharat Nirman, Provisions of Urban Amenities in Rural Area (PURA), Mahatma Gandhi National Rural Employment Guarantee Act - Agencies for Rural Development: Government, Semi-Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.	18

Text Books:

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

References 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.

Course Outcomes (Cos):

on Completion of the course , Students should be able to

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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester – II/EC –II	LABOUR ECONOMICS	Course Code :
Instruction Hours:4	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To enable and acquire the knowledge about labour market • To understand the man power in Economic Development • To understand the trade unions and their impact on labour market • To enable students to aware the Industrial relations • To show the current trends of social security measures

UNIT	Contents	No. of Hours
I	Labour Market and Policies Labour Market- Nature and Characteristics, 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	12
II	Employment and Wage Determination Employment and Development relationship- poverty and unemployment, Unemployment- Types, concepts and measurement, Employment Policy Wage Determination- Concepts of minimum wage and efficiency wage; Non-wage component	12
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	12
IV	Industrial Relation Need for Industrial Relation Machinery-Preventive and Curative methods-Collective Bargaining, Arbitration and Adjudications-industrial Democracy, the concept of Workers	12

	participation in management- Role of State in Industrial Relations.	
V	Social Security and Reforms Social Security- 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, mobility of labour	12

Text books

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

References

1. Tyagi P.B.(1995),Labour Economics and Social welfare,(JaiprakashNath&Co.Meerut),
2. Baholiwal T.N.(1981), Economics of Labour and Industrial Relations,(SahityaBhawan, 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..](https://fac.ksu.edu.sa/sites/default/files/Moder..)
2. [http://students.aiu.edu > resources > onlineBook > q...](http://students.aiu.edu/resources/onlineBook/q...)
3. [http://assets.vmu.ac.in > PGDLL06](http://assets.vmu.ac.in/PGDLL06)

Course Outcomes (Cos):

on Completion of the course , Students should be able to

CO1: Study the recent trends of labour and their productivity

CO2: assess the determination of employment and wages

CO3: Understand the trade unions and their impact on labour market

CO4: evaluate the Industrial relation

CO5: analyze the current trends of social security measures

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –II/SEC-I	ECONOMICS FOR COMPETITIVE EXAMINATION	Course Code :
Instruction Hours:2	Credits:2	Exam Hours:3
Internal Marks:	External Marks :100	Total Marks:100

Cognitive Level	K1-Recalling K2-Understanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	<p>The Course aims</p> <ul style="list-style-type: none"> • To enable the students to acquire knowledge related to various Economics concepts pertaining to Indian Economy. • To help the students to have reason and think Economics and apply it in real term • To understand the Economic Indicators and Features of Indian Economy • To understand the concepts of Agriculture and Industry • To understand the Components of Public Finance

UNIT	Contents	No. of Hours
I	<p>Economic Growth and Development</p> <p>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</p>	6
II	<p>Inclusion and Poverty</p> <p>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.</p>	6
III	<p>Basic Economic Indicators and Features of Indian Economy</p> <p>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</p>	6
IV	<p>Agriculture and Industry</p> <p>Crops, Seasons, Agricultural Credit Agencies, Kisan Credit Agencies, Land</p>	6

	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	6
	TOTAL	30

Text Books

1. SeetaPrabhu, K. Economic Reform and Social Sector Development, Sage Publications, New Delhi, 2012.
2. Dreze, Jean and Amartya Sen, 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 Outcomes (Cos):

on Completion of the course , Students should 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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester – III	MONETARY ECONOMICS	Course Code :
Instruction Hours:6	Credits:5	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To know the theories of money. • To know the types and determines of money supply • To learn the Functions of capital market • To aware the importance of banking sector • To understand the objectives and instruments of monetary policy

UNIT	CONTENTS	NO. OF HOURS
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	18
II	Supply of Money Supply of Money Types and determinants of money supply – money multiplier- Theories of interest rate – classical – Keynes – Hicks – Hansen.	18
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.	18
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	18
V	Monetary Policies Monetary Policy Objectives and Instruments of Monetary policy– Limitations of monetary policy- Monetarism and Keynesianism – Comparison - Supply side policies.	18
	TOTAL	90

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

References:

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 (Cos):

on Completion of the course , Students should be able to

CO1:Explain and outline the theories of money

CO2:Explain the types and determines of money supply

CO3: Explain the Functions of capital market.

CO4: Discuss the importance of banking sector.

CO5 :Analysis the objectives and instruments of monetary policy

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester -III	DEVELOPMENT ECONOMICS	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To aware the introduction of Conceptualizing development • To understand the theories of Development as growth • To understand the concepts related to Poverty , Inequality, Health and Education • To gain knowledge about the insights of Rural Development. • To understand the role Policies for Market Development

UNIT	CONTENTS	NO. OF HOURS
I	Introduction conceptualizing development 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	18
II	Theories of Development as 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 (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:	18
III	Poverty, Inequality and Human Capital Measurement Poverty, Inequality and Human Capital Measurement of inequality and poverty- Inverted –U hypothesis - Causes 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	18

	health system in developing economics (c) Gender perspective in health care	
IV	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-sharecropping and interlocking factor markets- Rural urban migration –Todaro model –Rural credit markets (a) providers and characteristics (b) theories of informed credit markets: lender’s monopoly and default collateral	18
V	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.	18
	TOTAL	90

Text Books:

1. Jhingan M.L. Jhingan B K.,2019 The Economics of Development and Planning.,42 ed.,Vrinda Publications
2. Agrawal, 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: OxfordUniversity Press, New Delhi. Tamilnadu State Council for Higher Education 17.
3. Debraj Ray (2009), Development Economics, OxfordUniversity Press, New Delhi.

Web Resources

1. [https://economicsconcepts.com/human_development_index_\(hdi\).htm](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 (Cos):

on Completion of the course , Students should 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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester – III	RESEARCH METHODOLOGY	Course Code :
Instruction Hours:6	Credits:5	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> ● To define research, explain and apply research techniques in Economics ● To propose a research study and justify the theory as well as the methodological decisions, including Research Problem and Hypothesis ● To learn the sample design and to develop the skills for sampling and sampling techniques used to collect survey data ● To learn the Data Collection method and the Data Source based on the selected topic ● To know the significance of Report writing and mechanics of thesis writing.

UNIT	CONTENTS	NO. OF HOURS
I	TYPES OF RESEARCH Research -Meaning and Definitions, Types of Research - Features- Facts - Theory - Concepts - Causality - Objectivity in Research.	18
II	RESEARCH PROBLEM AND HYPEOTHESIS Choice of the Research Problem - Factors involved in the choice - Review of Literature - Characteristics of a Good Hypothesis.	18
III	SAMPLING TECHNIQUES AND RESEARCH DESIGN Census Method - Sampling Method - Methods of Sampling: Random sampling method - Judgement Method - Stratified, Systematic, Quota and Multistage sampling Method - Sampling and Non Sampling errors -Methods of reducing both Sampling size - Scaling techniques - Research design.	18
IV	DATA SOURCE Merits and Demerits - Methods of collecting Primary data - Schedule methods - Observation Methods - Interview method -Questionnaire Method- Qualities of a good Questionnaire - Secondary data - Merits and Demerits -Sources of Secondary data- Published and Unpublished.	18
V	RESEARCH REPORT WRITING Meaning of analysis -Editing -Coding - Classification of Research - Statistical and Mathematical tools of Analysis -Research Report writing	18
	TOTAL	90

Text Book:

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

Reference Books:

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

. Web- Resources:

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

Course Outcomes (Cos):

on Completion of the course , Students should be able to

CO 1: Understand the research and apply research techniques in Economics.

CO 2: Understand a research study and justify the theory as well as the methodological decisions, including Research Problem and Hypothesis

CO 3: know the sample design and to develop the skills for sampling and sampling techniques used to collect survey data

CO 4: Collect the Data based on the selected topic

CO 5: know Report writing and mechanics of thesis writing

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester –III	AGRICULTURAL ECONOMICS	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To know the nature and scope of Agricultural Economics. • To understand the concept of Cropping Pattern. • To understand the sources of Agricultural Finance. • To know the channels of Agricultural Marketing • To understand the promotional strategies in Agriculture

UNIT	CONTENTS	NO. OF HOURS
I	NATURE OF AGRICULTURAL ECONOMICS Nature and Scope of Agricultural Economics -Features of Indian Agriculture - Inter relationship between Agriculture and industry-Significance of Agriculture in India - Inter sectoral Linkage - Agri and Agro based Industries.	18
II	CROPPING PATTERN Meaning - Factors - Productivity Trends in Area Production -Productivity and strategies -Crop Insurance - sea farming.	18
III	AGRICULTURAL FINANCE Meaning -Needs - Types - Source - Role of Co-operatives, Commercial Bank - NABARD in rural Finance -Problems - Institutional - Non - Institutional Finance.	18
IV	AGRICULTURAL MARKETING Marketed and marketable surplus - Marketing of Agro- based Industrial Produces - Agricultural marketing System -Need for marketing Research - Procedure for Conducting Marketing Research -Food Corporation of India - TNCSC- Agricultural Pricing Policy Marine Products Market.	18
V	PROMOTIONAL STRATEGIES Organic- In-organic fertilizers- Compost manure - Bio-fertilizer - Recycling of Agricultural Products - Value Addition of Agricultural Commodities –Value addition of Fishery Product- Cold storage - Prospects of Agricultural Business in India -MNCs in Fisheries Business	18
	TOTAL	90

Text Book:

1. B.P. Vasant Desai - Agricultural Economics, Rural development, Jai Prakash North Publication. 1996.
2. V. Natarani - Agricultural Prices and Development with stability
3. S. Sankaran - Indian Economy, Margham Publication, Chennai – 2015

Reference Book:

1. Government of India - Agricultural Marketing Reports
2. Ruddar Dutt and K.P.M. Sundaram - Indian Economy S.Chand Ltd, New Delhi 2015.

Web- Resources:

1. <http://dare.nic.in>
2. <http://ari.gov.in>
3. <http://aquaculture.tn.nic.in>
4. <http://agricoop.nic.in>
5. <http://drdpat.bih.nic.in>

Course Outcomes (COs):

on Completion of the course, Students should be able to

- Know the nature of Agricultural Economics
- Understand the concepts of Cropping Pattern
- Understand the sources of Agricultural Finance
- know the channels of Agricultural Marketing
- Understand the promotional strategies in Agriculture

Mapping of Course outcomes with Programme outcomes / Programme Specific Outcome

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester -III	INDUSTRIAL ECONOMICS	Course Code :
Instruction Hours:4	Credits:3	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	<p>The Course aims</p> <ul style="list-style-type: none"> • To describe the basic models of industrial organization • To learn the students to understand the important theories of industrial Economics • To learn the sources of Industrial finance • To learn the structure of Industrial labour • To have knowledge of the new industrial policy and issues in industries and project planning and appraisal

UNIT	CONTENTS	NO. OF HOURS
I	<p>PATRENS AND STRUCTURE</p> <p>Rationale of Industrialization - Process and pattern of Industrialization - Industrial structure and change - Alternative patterns; Chenery- Hoffman, Simon Kuznet,</p>	12
II	<p>THEORIES OF INDUSTRIAL LOCATION</p> <p>Theories of Industrial location - Weber, Sargent Florence, and Losch - Factors affecting location.- Factors determining location - Cost approach - Demand approach</p>	12
III	<p>INDUSTRIAL FINANCE</p> <p>Institutional Finance - Need- Sources - IDBI - IFCI - SFCs - SIDCO, Commercial Bank - Insurance company - LIC- Private LIC - AXIS Bank</p>	12
IV	<p>INDUSTRIAL LABOUR</p> <p>Structure of Industrial labour - Labour in organized and unorganized</p>	12

	industries - Industrial Legislation, Wages and problems of Bonus - Absenteeism, Migration Turnover, and Attrition - Labour Market Reforms	
V	PROJECT PLANNING AND APPRAISAL Process-Methods- Pay Back Period and CPM - Project Evaluation Review Techniques - Net present value - Internal Rate of Return.	12
	TOTAL	60

Text Books:

1. Industrial Economics: An Introductory Textbook, R.R. Barthwal.
2. Industrial Economics, I.C. Dhingra.

References:

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]
- Anup Chatterjee, (2012) “Industrial Policy and Economic Development in India – 1947 - 2012” – New Century Publications, New Delhi

Web Reference:

1. <https://www.amazon.in/Birth-Death-Consumers-Population-Studies-ebook/dp/B074Vfy96j>
2. <https://www.taylorfrancis.com/series/international-population-studies/ashser1353>
3. <https://www.indiabudget.gov.in/economicsurvey/>

Course Outcomes (Cos):

on Completion of the course , Students should be able to

CO1:Understand the basic models of industrial organization

CO2:Understand the important theories of industrial Economics.

CO3:Understand the sources of Industrial finance

CO4:Understand the structure of Industrial labour

CO5:Gain the knowledge of the new industrial policy and issues in industries and project planning and appraisal

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester -III	ECONOMICS IN EVERYDAY LIFE	Course Code :
Instruction Hours:2	Credits:2	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To analyse the thinking about prices • To aware the value of economics in social customs of the society • To know the evils happening in the economy and measures to overcome those evils • To Know the importance of various dimensions of economics in the society • To understand the role of economics in the effective functioning of the country

UNIT	CONTENTS	NO. OF HOURS
I	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	6
II	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	6
III	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.	6
IV	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	6

V	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- Living through an economic downturn	6
	TOTAL	30

Text Books:

1. ManjunathCVandMohammedUmair.IncomeTax-I,SkywardPublishers,Bangalore
2. BhagwathiPrasad.(1996).DirectTaxesLawandPractice.WishwaPrakashana.
3. DinakarPagare.(1991).LawandPracticeofIncomeTaxSultanChandandsons.
4. SanjeevKumar.(2008).SystematicApproachtoIndirectTaxes.BharathLawHouse.

References:

1. ManjunathCVandMohammedUmair.IncomeTax-I,SkywardPublishers,Bangalore
2. BhagwathiPrasad.(1996).DirectTaxesLawandPractice.WishwaPrakashana.
3. DinakarPagare.(1991).LawandPracticeofIncomeTaxSultanChandandsons.
4. SanjeevKumar.(2008).SystematicApproachtoIndirectTaxes.BharathLawHouse.

Course Outcomes (COs):

on Completion of the course , Students should be able to

CO1:Get cognizant of the scope and importance of Income tax.

CO2:Get introduced to the illustration of income tax in Budgets.

CO3:BecomefamiliarisedtothecalculatiofpersonalincometaxandtforHUF.\

CO4: Learn the calculation of corporate tax.

CO5: Develop the skills for filing e-mode of income tax with latest lab limit in the budget

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester -IV	INTERNATIONAL ECONOMICS	Course Code :
Instruction Hours:6	Credits:5	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To understand the theories of International Trade • To understand the recent theories in International trade • To aware the concept of Balance of Payments Policies • To understand the working of MNC s, Foreign Aid • To Understand the working of Foreign Exchange

UNIT	CONTENTS	NO. OF HOURS
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.	18
II	Theories of Trade - II Recent Theories of International Trade Kravi’s Theory of Availability – Lindar’s Theory of Volume of Trade and demand pattern - Kenen’s Human capital theory- Intra- Industry Trade – Theory of Imperfect Competition - Strategic Theory – External Economies and International Trade	18
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: Expenditure Switching Policies and Expenditure Reducing Policies – Foreign Trade Multiplier	18
IV	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	18

	Limitations of MNCs – MNCs and International Trade	
V	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	18
	TOTAL	90

Text Books:

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 Delh

References:

1. Francis Cherunillam (2004), International Economics (Tata McGraw Hill, New Delhi).
2. Paul Krugman and Maurice (2013), International Economics: Theory and PolicyObstfeld (New Delhi: Pearson).
3. J.N. Bhagwati (2003), Free Trade Today (Oxford University Press, New Delhi).State Integrated Board of Studies – Economics PG 20.

Web References:

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

Course Outcomes (COs):

on Completion of the course , Students should 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 MNC s,Foreign Aid

CO5: Understand the working of Foreign Exchange

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester – IV	PUBLIC ECONOMICS	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To understand the functions of public finance • To discuss the basic theories of public finance • To understand the cannons and principles of Taxation • To know the objectives and instruments of fiscal policy • To know the Indian Public finance

UNIT	CONTENTS	NO. OF HOURS
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.	18
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.	18
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	18
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	18
V	Financial Administration	18

	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.	
	TOTAL	90

Text Books:

2. Tyagi B.P., Public Finance, Jai Prakash Nath & Company, 2014
3. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.

References:

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 (Cos):

on Completion of the course , Students should be able

CO1: To explain the functions of public finance

CO2: To identify the basic theories of public finance

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 of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester -1V	CONTRIBUTION OF NOBLE LAUREATES	Course Code :
Instruction Hours:6	Credits:4	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To enable the students to understand about the Theories of trade cycle • To know about their economic contributions in detail. • To prepare the students to know about poverty and inequality. • To enable the students to understand the theories of international trade. • To know about the recent Nobel laureates and their contributions.

UNIT	CONTENTS	NO. OF HOURS
I	PAUL A.SAMUELSON AND SIR JOHN HICKS Theory of Revealed Preference - Business Cycle Social Welfare Function - Utility Possibility Approach -Main Economic Ideas Consumer's Equilibrium - Revision of Demand Theory - Consumer's Surplus – General Equilibrium - Economic Dynamics - Stationary State - Theory of Trade Cycle - Welfare Economics.	18
II	MILTON FRIEDMAN Quantity Theory of Money - Demand Functions – Permanent Income Hypothesis - Savage Hypothesis	18
III	AMARTHYA SEN Poverty and Famines - Poverty And Inequality - Concept of Capability –Entitlement - Choice of Technique - Time Series Criteria	18
IV	ROBERT A.MUNDELL Theory of International Trade -Open Macro Economy Optimum Currency Area Argument - Monetary Approaches to the Balance of Payment - Macro Economics - Fiscal & Monetary Mixtures and the Assignment Rule	18
V	RECENT NOBEL LAUREATES AND THEIR CONTRIBUTION Jean Tirole(2014), Angles Deaton (2015), Oliver Hart(2016),Richard Thaler (2017), Paul Romer(2018),William Nordhaus(2018), Bergt Holmstrom (2018).	18
	TOTAL	90

Text Book

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

References

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

Web- Resources:

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

Course Outcomes

On completion of the course students should be able to

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

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

CO3:Know the Amarthiya sen's ideas of economics

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

CO5:Aware of the Recent Nobel Laureates and their contribution

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation

Semester -IV	URBAN ECONOMICS	Course Code :
Instruction Hours:6	Credits:3	Exam Hours:3
Internal Marks:25	External Marks :75	Total Marks:100

Cognitive Level	K1-Recalling K2-Uderstanding K3-Applying K4-Analyzing K5- Evaluating K6-Creating
Course Objectives	The Course aims <ul style="list-style-type: none"> • To know the sources of urban Growth. • To enables the process of Urbanization • To know theories of urban growth. • To understand the factors for Urbanisation in India. • To know about the Urban Problems and Urban Planning

UNIT	CONTENTS	NO. OF HOURS
I	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 services sector growth –Urbanization and urban economic growth – Urbanization and globalization	18
II	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	18
III	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	18
IV	Urbanization and Labour Market Urbanisation and Labour Market - Pull and Push Factors for	18

	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	
V	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	18
	TOTAL	90

Text books

1. Shukla, V. (1996) Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd (New Delhi).
2. Robert L Bish and Hugh O Nourse (1975), Urban Economics and Policy Analysis, McGraw Hill Kogakusha Ltd (Tokyo).

References

1. O' Sullivan (2012), Urban Economics, McGraw Hill Higher Education (Boston).
2. Edwin S. Mills. (1987). Handbook on Regional and Urban Economics, Volume 2: Urban Economics. North-Holland (Amsterdam).
3. Duranton, G., & Strange, W. C. (1986). *Handbook of regional and urban economics: applied urban economics* (Vol. 3). Elsevier.

Web resources

1. [https://link.springer.com/bfm:978-1-349-15661-0/1.pdf](https://link.springer.com/bfm/978-1-349-15661-0/1.pdf)
2. https://www.academia.edu/Urban_economics_Arthur_O.
3. <https://www.ysk-books.com/show/book/regional-a..>

Course Outcomes

On completion of the course students should be able to

CO1: Understand the Sources of urban Growth

CO2: Aware of the process of urbanization

CO3: Know the theories of urban growth

CO4: Find out the factors for Urbanisation in India.

CO5: Aware the Urban Problems and Urban Planning

Mapping of Course outcomes with Programme outcomes / Programme Specific outcomes

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

S - Strongly Correlated M - Moderately Correlated W - Weakly Correlated N - No Correlation