

THIRUVALLUVAR UNIVERSITY

BACHELOR OF ARTS

B.A. ECONOMICS

DEGREE COURSE

CBCS PATTERN

(With effect from 2022 - 2023)

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	Micro Economics I	25	75	100
4.	III	Core Theory	Paper-2	5	3	Statistics for Economics I	25	75	100
5.	III	ALLIED -1	Paper-1	6	3	(To choose 1 out of 4) 1. History of India - I 2. Agricultural Economics 3. Basics of Computer Application I 4. Financial Accounting - I	25	75	100
6.	III	PE	Paper-1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-3	4	3	Micro Economics II	25	75	100
12.	III	Core Theory	Paper-4	4	3	Elementary Statistics for Economics II	25	75	100
13.	III	ALLIED-1	Paper-2	6	5	(To choose 1 out of 4) 1. History of India II 2. Agricultural Marketing 3. Basics of Computer Application II 4. Financial Accounting II	25	75	100
14.	III	PE	Paper-2	6	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	Value Education	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		200	600	800

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
17.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	4	3	Indian Economy I	25	75	100
20.	III	Core Theory	Paper-6	3	3	Monetary Economics I	25	75	100
21.	III	ALLIED-2	Paper-3	6	3	(To choose 1 out of 4) 1. Economics of Entrepreneurship 2. Economic Development of Tamil Nadu - I 3. Women and the Economy 4. Cost and Management Accounting I	25	75	100
22.	IV	Skill based Subject	Paper-1	3	2	Interview Skills and Personality Development	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	Fundamentals of Economics I	25	75	100
				30	21		175	525	700
SEMESTER IV							CIA	Uni.Exam	Total
24.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
25.	II	English	Paper-4	6	4	English	25	75	100
26.	III	Core Theory	Paper-7	4	3	Indian Economy II	25	75	100
27.	III	Core Theory	Paper-8	4	3	Monetary Economics II	25	75	100
28.	III	ALLIED-2	Paper-4	6	5	(To choose 1 out of 4) 1. Basics Econometrics 2. Economic Development of Tamil Nadu II 3. Development Economics 4. Cost and Management Accounting II	25	75	100
29.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-major elective	Paper-2	2	2	Fundamentals of Economics II	25	75	100
				30	23		175	525	700
SEMESTER V							CIA	Uni.Exam	Total
31.	III	Core Theory	Paper-9	6	4	Macro Economics I	25	75	100
32.	III	Core Theory	Paper-10	6	5	Fiscal Economics I	25	75	100
33.	III	Core Theory	Paper-11	6	4	Managerial Economics	25	75	100
34.	III	Core Theory	Paper-12	6	4	Industrial Economics	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
35.	III	Internal Elective	Paper-1	3	3	[To choose 1 out of 4] 1.Environmental Economics I 2.International Trade I 3.Industrial Organization I 4.Economics of Capital Market and Digital Economy	25	75	100
36.	IV	Skill based Subject	Paper-2	3	2	Introduction to Research Methodology	25	75	100
				30	22		150	450	600
SEMESTER VI							CIA	Uni.Exam	Total
37.	III	Core Theory	Paper-13	6	5	Macro Economics II	25	75	100
38.	III	Core Theory	Paper-14	6	4	Fiscal Economics II	25	75	100
39.	III	Core Theory	Paper-15	5	4	History of Economic Thought	25	75	100
40.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
41.	III	Internal Elective	Paper-2	3	3	[To choose 1 out of 4] 1.Environmental Economics II 2.International Trade II 3.Industrial Organization II 4.Energy Economics	25	75	100
42.	III	Internal Elective	Paper-3	3	3	[To choose 1 out of 4] 1.Labour Economics 2.Insurance & Economics 3.Demography 4. Economics of Development and Planning	25	75	100
43.	III	NMSDC III : Digital Banking and Audit Essential for Employability	Paper-3	2	2	Fintech Course	25	75	100
44.	V	Extension Activities		0	1		100	-	100
				30	27		275	525	800
TOTAL					142				4300

(I) PROGRAMME OBJECTIVES

PO 1: To inculcate economic thought process in the young minds.

PO 2: To enable them to understand micro and macroeconomic events.

PO 3: To see the real-life time issues through the mirror of economic prism.

PO 4: Understanding economics for their own standing up in life.

PO 5: To develop their human relations skills through the knowledge of economics, as economics is a human behavioural science.

(II) PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1: Impart in-depth knowledge of Economics to the students and make them comprehend its relevance in day-to-day life.

PEO 2: Explain Economic theories and highlight its correlation with human behavioural science.

PEO 3: To understand core economic principles and their application to a wide range of real-world issues.

PEO 4: To master the theoretical and applied tools required to both understand and analyse economic research at a global level.

PEO 5: To learn how to bring out pragmatic, principles-based policies aiming to enhance economic well-being and promote social justice.

(III) PROGRAMME SPECIFIC OUTCOMES

PSO-1: Understand the basic concepts and theories in Micro Economics, Macro Economics, International Economics, Public Economics, Agricultural Economics, Economic System and Demography.

PSO-2: Grasp the application of Mathematical and Statistical methods in Economics.

PSO-3: Build up their capacity in undertaking Socio-economic surveys and project.

PSO-4: Contribute in solving economic problems faced by them and the society.

PSO-5: Assess the impact of green revolution and Industrial revolution and foreign capital on Indian Economy.

PSO-6: Get job opportunities in government department and private institutions in India and all over the world.

PSO-7: Empowering with the knowledge in economic systems for meeting their real-life challenges.

PSO-8: To take decisions on investing, saving, insuring at an appropriate time.

PSO-9: Enriching the economic knowledge along with the sweet mixing of computer, history, accounting skills.

PSO-10: Create awareness about economics and ecology and environment.

(IV) PROGRAMME OUTCOMES (PO) FOR UNDER GRADUATE DEGREE IN ECONOMICS

PO1: A sound understanding of the science of Economics and its application through the aid of Mathematics, Statistic, Accounting and Computer Application.

PO2: Application of economic theories in handling real-life situations.

PO3: Students equipped with the knowledge and skills required to fit into Industrial, Agricultural and Service sectors, which will make them industry ready and employable immediately after graduation.

PO 4: Gaining broad idea of Macro Economic policies being adopted in the Indian economy

PO 5: Students reaped the advantage of a comprehensive curriculum including Economics along with Mathematics, Accountancy, History and Statistics will motivate graduates to apply for Indian Economic Service examination.

PO 6: The ability to collect process and interpret data including statistical inferences and create hypotheses and sets of economic variables.

PO 7: Creation of knowledge to evaluate the solutions available for complex economic issues and train them in problem solving.

PO 8: An awareness of institutions and institutional forces that shape the Indian Economy like RBI and Planning Commission.

PO 9: An awareness of international institutions and institutional forces like IMF & WTO that impacts the Indian Economy.

PO 10: Enlightening ethics of inland and international trade.

THIRUVALLUVAR UNIVERSITY

B.A. ECONOMICS

SYLLABUS

UNDER CBCS

(With effect from 2022-2023)

SEMESTER I

PAPER - 1

MICRO ECONOMICS I

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COURSE OBJECTIVES:

1. The make students capable of analyzing individual rationality in situation of scarcity and choice.
2. The students understand the definitions of Economics and concepts Normative Economics, Positive Economics, Inductive and Deductive method.
3. Acquires the knowledge of the Cardinal utility analysis.
4. The students understand the Indifference curve analysis & Consumer Surplus.
5. Understands the importance of the theory of production& Producer Equilibrium.
6. The student acquires the skill of calculating various cost and revenues in the process of production.

COURSE OUTCOMES

1. After studied unit-1, the student will be able to understand the concept of Micro Economics, Definitions of Economics, Inductive and Deductive methods and Positive and Normative Economics.
2. After studied unit-2, the student will be able to acquire Knowledge of the law of Diminishing Marginal utility Law of Demand and Elasticity of Demand.
3. After studied unit-3, the student will be able to understand the Indifference curve analysis, Consumers equilibrium and consumer surplus.
4. After studied unit-4, the student will be able to gain knowledge of the theories of Production Function and producer equilibrium.

5. After studied unit-5, the student will be able to gain knowledge of types of cost and Revenue

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: Definitions, Nature and Scope of Economics(15hrs)

Definition of Economics - Adam Smith - Marshall - Robbins - Samuelson –Micro Economics-Meaning-Importance and Uses of Micro Economics- Macro Economics - Meaning-Difference between Micro and Macro Economics - Inductive and Deductive methods - Positive vs Normative study - Static and Dynamic analysis - Partial vs General Equilibrium.

UNIT-II: Marshallian Cardinal Utility Analysis (15hrs)

Introduction-Assumptions of cardinal Utility Analysis- Law of Diminishing Marginal utility- Law of Equi - Marginal Utility -Law of Demand–Exceptions to Law of Demand- Elasticity of Demand-Types of Elasticity of Demand -Factors determining elasticity of demand- Importance of Elasticity of Demand.

UNIT-III: Indifference Curve Analysis(15hrs)

Indifference Curves- Meaning-Indifference Map- Properties of Indifference Curve-Budget Line-Consumer's Equilibrium-Income Effect-Substitution Effect - Price Effect - Consumer Surplus –Meaning –Definition- Marshall's Measurement of Consumer Surplus.

UNIT-IV: The Theory of Production(15hrs)

Production Function-Meaning- Law of Variable Proportions-Law of Returns to Scale- Cobb-Douglas production function-Isoquants – Marginal Rate of Technical Substitution-Producers equilibrium.

UNIT-V: Cost and Revenue Functions(15hrs)

Cost concepts- Money cost- Economic cost- Real cost- Opportunity cost- Marginal cost, Average cost- Variable cost- Fixed cost and Total cost- Relationship between Average Cost and marginal cost – Revenue concepts - Average and Marginal revenue curves- Relationship between AR and MR

TEXT BOOKS:

Unit-I: Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.

Unit-II: Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.

Unit-III: Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.

Unit-IV: Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.

Unit-V: Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi

REFERENCE BOOKS:

1. R.Cauvery, U.K.SudhaNayak ,M.Girija, N.KruparaniR.Meenakshi , Micro Economic Theory, Sultan Chand & Company LTD, Ram Nagar New Delhi.
2. Dewett, K.K. Modern Economic Theory, S. Chand & Company LTD, New Delhi
3. M.L.Jhingan, Modern Micro Economics, Vrinda Publication Private Limited, New Delhi 2011.
4. S.K.Misra and V.K.Puri, Advanced Micro Economic Theory, Himalaya Publishing House, 2009.
5. Koutsoyiannis, A: Modern Micro Economics, Macmillan Press Limited.
6. Maurice Dobb: Theories of Value and Distribution since Adam Smith – Vikas Publishing House, New Delhi. 2012.
7. Sankaran, S: Micro Economics - Margham Publications, Chennai Edition 2012.

E- MATERIALS

1. www.managementnote.com/introduction-microeconomics
2. www.oxfordreference.com/view/10.1093/oi/...
3. uk.life123.com/Study microeconomics/
4. en.wikipedia.org/wiki/Microeconomics
5. www.investopedia.com/terms/m/microeconomics.asp
6. economictimes.indiatimes.com/.../microeconomics
7. www.businessdictionary.com/definition/microeconomics.html

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	S	M	S	M	S	M	M	M
CO2	S	S	S	M	S	M	S	M	M	M
CO3	S	M	S	M	S	M	S	M	M	M
CO4	S	M	S	M	S	M	S	M	M	M
CO5	S	M	S	M	S	M	S	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low

CORE THEORY

PAPER – 2

STATISTICS FOR ECONOMICS –1

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COURSE OBJECTIVES:

1. To bring awareness on the aspects of statistics namely, correlation and regression, probability and distributions and index numbers.
2. To impart the knowledge of data collection.
3. The course will mainly emphasize the different statistical methods.
4. To develop detailed understanding of discrete and continuous distributions.
5. Encourage to critically examine the economic indicators with the help of statistics.
6. To understand the role of statistics in day today life.

COURSE OUTCOMES

1. After studied unit-1, the student will be able to understand the concept of statistics with its functions.
2. After studied unit-2, the student will be able to acquire the Knowledge of methods of collecting primary data.
3. After studied unit-3, the student will be able to gain knowledge of calculating mean, mode and median.
4. After studied unit-4, the student will be able to gain knowledge on measures of dispersion.
5. After studied unit-5, the student will be able to gain knowledge of skewness and kurtosis

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	Yes	No	No
2	Yes	Yes	No	No	No	No
3	Yes	Yes	Yes	No	No	No

4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: Introduction:

(15hrs)

Statistics: Origin and Definition - Relationship with other Subjects - Functions of Statistics - Objectives - Importance and Limitations - Classification – Tabulation: -Objectives, Rules, Types and Parts – Diagrams: Types of Diagrams, One dimensional and Two dimensional - Graphical presentation: Types, Merits and Demerits.

UNIT-II: Collection of Data

(15hrs)

Primary And Secondary Data - Methods of Collecting Primary Data: Census and Sampling methods, Random Sampling Method, Pre-testing and Pilot Survey - Sources of Secondary Data: Published and Unpublished Sources – Questionnaire.

UNIT-III: Measures of Central Tendency

(15hrs)

Meaning – Definition – Characteristics of a good Average - Objectives of Average - Types of Average: Mean, Median, Mode - Geometric Mean - Harmonic Mean.

UNIT-IV: Measures of Dispersion

(15hrs)

Meaning - Definition - Objectives - Characteristics of a good Measures of Dispersion - Types: Range - Quartile Deviation - Mean Deviation - Standard Deviation and Co-efficient of Variation - Lorenz Curve.

UNIT- V: Skewness and Kurtosis:

(15hrs)

Skewness: Meaning - Methods – Features – Karl Pearson's Co-efficient of Skewness - Bowley's Co-efficient of Skewness. Kurtosis: Meaning – Moments – Difference between Skewness and Kurtosis.

TEXT BOOKS:

Unit-I: Gupta, S.P.: Statistics for Economic - S. Chand & Company LTD, New Delhi 2017

Unit-II: Gupta, S.P.: Statistics for Economic - S. Chand & Company LTD, New Delhi 2017

Unit-III: Gupta, S.P.: Statistics for Economic - S. Chand & Company LTD, New Delhi 2017

Unit-IV: Gupta, S.P.: Statistics for Economic - S. Chand & Company LTD, New Delhi 2017

Unit-V: Gupta, S.P.: Statistics for Economic - S. Chand & Company LTD, New Delhi 2017

REFERENCE BOOKS:

1. D.C.Sancheti , V.K.Kapoor, Statistics Theory, Methods And Application Sultan Chand & Company LTD, New Delhi.
2. S.P.Gupta Statistical Methods Sultan Chand & Company LTD New Delhi 2017
3. R.S.N. Pillai and V.Bagavathi Statistics Theory and Practice Sultan Chand &Company LTD, New Delhi.

E - RESOURCES

1. [www.homeandgardenideas.com/Economics statistics/](http://www.homeandgardenideas.com/Economics%20statistics/)
2. [in.zapmetasearch.com/Statistics For Economics](http://in.zapmetasearch.com/Statistics%20For%20Economics)
3. www.toppr.com/guides/economics/statistics-
4. www.learnbse.in/statistics-for-economics
5. [en.wikipedia.org/wiki/Economic statistics](http://en.wikipedia.org/wiki/Economic_statistics)
6. www.ncrtsolutions.in/...statistics-for-economics-ncert.html
7. books.google.co.in/books/about/Statistics..
8. [www.thefreedictionary.com/statisticsin.zapmetasearch.com/Statistics For Economics](http://www.thefreedictionary.com/statisticsin.zapmetasearch.com/Statistics%20For%20Economics)
9. www.investopedia.com/terms/m/Statistics.asp

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	S	M	M	M	M
CO2	S	S	S	M	S	S	M	M	M	M
CO3	S	M	S	M	S	S	M	M	M	M
CO4	S	M	S	M	S	S	M	M	M	M
CO5	S	M	S	M	S	S	M	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

ALLIED – 1

PAPER – 1

2. AGRICULTURAL ECONOMICS

COURSE OBJECTIVES

1. To help the students to understand Scope and Role of Agriculture in Economic development.
2. To understand the term agricultural productivity and cropping pattern.
3. To gain knowledge of wage Discrimination and problems of farmers.
4. To acquire knowledge of Size of holdings in India.
5. To gain knowledge of indebtedness and sources of Agricultural credit.
6. To understand Scope and Types of Agricultural markets.

COURSE OUTCOMES

1. After studied unit-1, the student will be able to understand the nature and importance of Agriculture
2. After studied unit-2, the student will be able to gain knowledge of Agricultural productivity.
3. After studied unit-3, the student will be able to understand the size of Land holdings.
4. After studied unit-4, the student will be able to gain knowledge of sources of Agricultural Credits.
5. After studied unit-5, the student will be able to understand the scope and types of Agricultural markets.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	yes	Yes	Yes	No	No
2	Yes	Yes	No	Yes	No	No

3	Yes	Yes	No	Yes	No	No
4	Yes	Yes	No	No	NO	No
5	Yes	Yes	No	No	No	No

UNIT-1: Nature and Importance of Agriculture (18hrs)

Definition - Scope of Agriculture Economics - Nature of Agriculture Economics - Interdependence between Agriculture - Agriculture in a Growing Economy - Role of Agriculture in Economic development.

UNIT-II: Agriculture Productivity (18hrs)

Measuring Agriculture Productivity - Farm size - Cropping Pattern - Agricultural Labour and Wages - Women in Agriculture - Wage Discrimination - Green Revolution - Problems of Small and Marginal Farmers.

UNIT-III: Size of Land Holdings (18hrs)

Types of Farming - Factors Determining the Types of Farming - Economic Holding - Size Pattern of holding in India - Subdivision and Fragmentation of Holding in India - Causes of Sub-division and Fragmentation - Problems of Fragmentation - Ceiling on Land Holding.

UNIT-IV: Agricultural Credit (18hrs)

Meaning - Importance - Agricultural Indebtedness - Causes - Remedies - Co-operatives Bank - Commercial Banks - Regional Rural Banks - Agricultural Credit in India - Institutional Agencies Supplying Agricultural Credit.

UNIT-V: Agricultural Markets (18hrs)

Meaning - Definition - Scope - Importance - Types of Agricultural Markets - Co-operative Marketing - Regulated Markets –Agricultural Marketing in India.

TEXT BOOKS:

Unit-I: Sankaran, S.: Agricultural Economic – Margham& Company LTD, New Delhi.2014

Unit-II: Sankaran, S.: Agricultural Economic – Margham& Company LTD, New Delhi.2014

Unit-III: Sankaran, S.: Agricultural Economic – Margham& Company LTD, New Delhi.2014

Unit-IV:B.P.Tyagi, Agricultural Economics and Rural Development, Jai Prakash Nath&co, Meerut.2010

Unit-V:Sankaran, S.: Agricultural Economic – Margham& Company LTD, New Delhi 2014

REFERENCE BOOKS:

1. R.G.Desai, Agricultural Economics, Himalaya Publishing House, New Delhi, 2017.
2. B.P.Tyagi, Agricultural Economics and Rural Development, Jai Prakash Nath&co,Meeryt.2010
3. P.Mala,AgriculturalEconomics,Dominent Publisher, New Delhi.2018
4. S.K.Mishra&V.K.Puri,IndianEconomyHimalaya Publishing House, New Delhi.2011
5. S.SubbaReddy,AgriculturalEconomics,Oxford&IBH Publishing Co.Pvt.Ltd., New Delhi.2018

E- MATERIALS

1. [www.answerroot.com/Agricultural_economics/Look no further](http://www.answerroot.com/Agricultural_economics/Look_no_further)
2. [uk.life123.com/Agricultural_economics/See now](http://uk.life123.com/Agricultural_economics/See_now)
3. [in.downloadsearch.cnet.com/Agriculture/Look no further](http://in.downloadsearch.cnet.com/Agriculture/Look_no_further)
4. [www.amazon.in/Agricultural Economics/Agricultural Economics](http://www.amazon.in/Agricultural_Economics/Agricultural_Economics)
5. www.economicsdiscussion.net/agricultural-economics/...
6. en.wikipedia.org/wiki/agricultural-economics
7. www.britannica.com/topic/agricultural-economics
8. www.studyingeconomics.ac.uk/.../agricultural-economics
9. www.sciencedirect.com/journal/agricultural-economics
10. www.researchgate.net/topic/Agricultural-Economics

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	M	S	S	M	M
CO2	S	S	S	M	S	S	S	S	M	M
CO3	S	S	S	M	S	S	S	M	M	M

CO4	S	S	S	M	S	S	S	M	M	M
CO5	S	S	S	M	S	S	S	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

SEMESTER II

PAPER – 3

CORE THEORY

MICRO ECONOMICS –II

COURSE OBJECTIVES:

1. The main objective of this paper is to introduce the concept of Market to the students.
2. The students understand the behavior of firms in Perfect competitions.
3. Acquires the knowledge of the firms in output and price determination in a imperfect competition.
4. Gains knowledge of the Marginal productivity theory of distribution and theories of Rent.
5. Understands the importance of Trade unions and wage theories.
6. The student understands the theories of Interest and Profit.

COURSE OUTCOMES

1. After studied unit-1, the student will be able to understand the concept of market competition and how price and output determined in a perfect competition.
2. After studied unit-2, the student will be able to acquire Knowledge of the Imperfect market, price and output determination in the short run and long run.
3. After studied unit-3, the student will be able to understand the Marginal productivity theory of distribution and the theories based on which the rent is fixed.
4. After studied unit-4, the student will be able to gain knowledge of the theories of wages and the importance of Trade unions.
5. After studied unit-5, the student will be able to gain knowledge of the theories of Interest and profit.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	Yes	No	No
2	Yes	Yes	No	Yes	No	No

3	Yes	Yes	No	No	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	Yes	No	No

UNIT-I: Market Structures and Perfect competition (12hrs)

Market – Meaning - Classification of market - Perfect competition – Features, Price and Output determination – Equilibrium of the Firm and Industry in the short run and long run.

UNIT-II: Imperfect Competition (12hrs)

Imperfect competition-Meaning-Monopoly-Meaning-Price and Output Determination-Monopolistic Competition –Features- Price and Output determination the short run and long run – Price discrimination – Oligopoly: Features- Kinds of Oligopoly - Kinked Demand Curve -Duopoly –Meaning and Cournot Model.

UNIT-III: Theory of Distribution (12hrs)

Distinction between personal and functional distribution - Marginal Productivity Theory of Distribution - Rent –Meaning- Ricardian Theory of Rent - Modern theory of rent – Quasi-Rent.

UNIT-IV: Wages (12hrs)

Wages-Meaning- Real and Money wages – Factors determining Real wages - Theories of Wages - The Subsistence Theory of Wages - Wage fund theory - Modern theory of wages Minimum wages - Trade Union and wages.

UNIT-V: Interest and Profits (12hrs)

Interest – Meaning - Loanable Fund theory- Liquidity Preference Theory – Profits - Modern Theory of Interest - Theories of Profit - Schumpeter's Innovation theory of Profit - Knight's Uncertainty Bearing Theory of Profit - Hawley's Risk theory of profit.

TEXT BOOKS:

Unit-I:Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.
Unit-II:Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.
Unit-III:Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.
Unit-IV:Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.
Unit-V:Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.

REFERENCE BOOKS:

1. R.Cauvery, U.K.SudhaNayak ,M.Girija, N.KruparaniR.Meenakshi , Micro Economic Theory, Sultan Chand & Company LTD, Ram Nagar New Delhi.
2. Dewett, K.K. Modern Economic Theory, S. Chand & Company LTD, New Delhi
3. M.L.Jhingan, Modern Micro Economics, Vrinda Publication Private Limited, New Delhi 2011.
4. S.K.Misra and V.K.Puri, Advanced Micro Economic Theory, Himalaya Publishing House, 2009.
5. Koutsoyiannis, A: Modern Micro Economics - Macmillan Press Limited.
6. Maurice Dobb: Theories of Value and Distribution since Adam Smith – Vikas Publishing House, New Delhi. 2012.
7. Sankaran, S: Micro Economics - Margham Publications, Chennai Edition 2012.

E - MATERIALS

1. www.managementnote.com/introduction-microeconomics
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3. uk.life123.com/Study microeconomics/Save your time
4. en.wikipedia.org/wiki/Microeconomics
5. www.investopedia.com/terms/m/microeconomics.asp
6. economictimes.indiatimes.com/.../microeconomics
7. www.businessdictionary.com/definition/microeconomics.html

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	M	S	M	S	M	M	M
CO2	S	S	M	M	S	M	S	M	M	M

CO3	S	S	M	M	S	M	S	M	M	M
CO4	S	S	M	M	S	M	S	M	M	M
CO5	S	S	M	M	S	M	S	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low

PAPER – 4

CORE THEORY

STATISTICS FOR ECONOMICS –II

COURSE OBJECTIVES:

1. To give adequate information to the students regarding the testing of hypothesis such that how various types of tests can be utilized under different situations.
2. To make the students aware about the various types of index numbers and their constructions.
3. To impart knowledge regarding the development of linear relationship between the two correlated variables to the students.
4. To understand the relevance of probability and its limitations.
5. To improve the analytical skill sync with statistics.
6. Improving the interpreting skills through statistical knowledge.

COURSE OUTCOMES

1. After studied unit-1, the student will be able to understand the calculation of coefficient of correlation and rank correlation.
2. After studied unit-2, the student will be able to acquire Knowledge of importance and calculation regression analysis.
3. After studied unit-3, the student will be able to acquire knowledge on the components of time series.
4. After studied unit-4, the student will be able to gain in depth knowledge of methods of constructing index numbers.

5. After studied unit-5, the student will be able to understand probability theorem.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	Yes	No	No
2	Yes	Yes	No	Yes	No	No
3	Yes	Yes	No	Yes	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: Correlation

(12hrs)

Meaning – Types, Measurement of Correlation - Karl Pearson's Co-efficient of Correlation - Spearman's Rank Correlation and Concurrent Deviation Method.

UNIT-II: Regression

(12hrs)

Meaning - Definition - Difference between Correlation and Regression –Importance of Regression Analysis - Regression Equations - Calculation of Regression Coefficient - Correlation Coefficient from Regression Coefficients.

UNIT-III: Time Series

(12hrs)

Time series – Components of Time Series- Measurement of trend – Moving average, method of least square, Seasonal indices by simple average method.

UNIT-IV: Index Numbers

(12hrs)

Meaning - Uses - Problems in The Construction of Index Numbers –Methods of constructing Index numbers – Simple and weighted Index Numbers - Laspyre's Method – Paachee's Method - Fisher's Index Method - Cost of living Index – Uses of Index Numbers.

UNIT-V: Probability

(12hrs)

Meaning - Definition - Uses - Types - Objectives - Empirical Probability - Subjective Probability - Theorems of Probability: Addition Theorem - Multiplication Theorem.

TEXT BOOKS:

Unit-I: Gupta.S.P.:StatisticsforEconomics – S.Chand& Company LTD, New Delhi 2017

Unit-II: Gupta.S.P.:StatisticsforEconomics – S.Chand& Company LTD, New Delhi 2017

Unit-III: Gupta.S.P.:StatisticsforEconomics – S.Chand& Company LTD, New Delhi 2017

Unit-IV: Gupta.S.P.:StatisticsforEconomics – S.Chand& Company LTD, New Delhi 2017

Unit-V: Gupta.S.P.:StatisticsforEconomics – S.Chand& Company LTD, New Delhi 2017

REFERENCE BOOKS:

1. D.C.Sancheti , V.K.Kapoor, Statistics Theory, Methods And Application Sultan Chand & Sons New Delhi, 2019
2. S.P.Gupta Statistical Methods Sultan Chand & Sons New Delhi. 2017
3. R.S.N. Pillai and V.BagavathiStatistics Theory and PracticeSultan Chand & Sons New Delhi. 2019

E - RESOURCES

1. [www.homeandgardenideas.com/Economics statistics/](http://www.homeandgardenideas.com/Economics%20statistics/)
2. [in.zapmetasearch.com/Statistics For Economics](http://in.zapmetasearch.com/Statistics%20For%20Economics)
3. [www.teoma.co.uk/Economic/Tamil Nadu](http://www.teoma.co.uk/Economic/Tamil%20Nadu)
4. www.toppr.com/guides/economics/statistics-
5. www.learncbse.in/statistics-for-economics
6. [en.wikipedia.org/wiki/economics statistics](http://en.wikipedia.org/wiki/economics_statistics)
7. www.ncrtsolutions.in/...statistics-for-economics-ncert.html
8. books.google.co.in/books/about/statistics.
9. [www.thefreedictionary.com/statisticsin.zapmetasearch.com/Statistics For Economics](http://www.thefreedictionary.com/statisticsin.zapmetasearch.com/Statistics%20For%20Economics)
10. www.investopedia.com/terms/m/Statistics.asp

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	S	M	S	S	S	M	M	M
CO2	S	M	S	M	S	S	S	M	M	M
CO3	S	M	S	M	S	S	S	M	M	M
CO4	S	M	S	M	S	S	S	M	M	M
CO5	S	M	S	M	S	S	S	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low

ALLIED – 1

PAPER – 2

1. AGRICULTURAL MARKETING

COURSE OBJECTIVES

1. To enable the students to understand the concepts of Marketing.
2. To help the students to understand functions of Agricultural marketing.
3. To understand the term Marketing structure and role of wholesaler, retailer and middlemen.
4. To gain knowledge of marketing agencies and channels.
5. To acquire knowledge of Supply chain management.
6. To gain knowledge of market regulations.

COURSE OUTCOMES

1. After studied unit-1, the student will be able understand to basic concepts of marketing.
2. After studied unit-2, the student will be able to acquire knowledge of marketing functions.
3. After studied unit-3, the student will be able to understand the structure of market.
4. After studied unit-4, the student will be able to acquire knowledge of channels of marketing.
5. After studied unit-5, the student will be able to know the regulations of market.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	No	No	No	No
3	Yes	Yes	No	No	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-1: Introduction**(18hrs)**

Meaning - Nature - Scope - Basic Concepts of Marketing - Significance of Marketing - Classifications - Marketing Processes - Market Structure - Market Force - Demand – Supply.

UNIT-II: Marketing Functions**(18hrs)**

Meaning - Classes of Functions - Functions of Exchange - Functions of Physical Supply - Facilitation Function - Buying - Assembling - Selling - Transportation - Warehousing - Standardization - Grading - Financing - Risk - Market Information.

UNIT-III: Marketing Structure**(18hrs)**

Marketing Of Agricultural Production - Marketing Structure - Regulated Market - Organized Markets - Wholesalers and Retailers - Functions and Services of the Wholesaler - Role of Middlemen and the Retailers - Cooperative Marketing Bodies.

UNIT-IV: Marketing Agencies and Channels**(18hrs)**

Meaning - Definition - Factors Affecting Marketing Channels - Contract Forming - Advantages of Contract Forming - Types of Contracts Forming - Supply Chain Management.

UNIT-V: Regulation**(18hrs)**

Definition - Objectives - History of Market Regulation - Progress - Important Features of Regulated Market - Need for Reorientation of Market Regulation - Council of State Agricultural Marketing Bodies.

TEXT BOOKS:

Unit-I: Acharya, S.S. Agricultural Marketing in India Oxford & IBH Company Pvt. Ltd., New Delhi 2010

Unit- II: Sankaran, S.Agricultural Marketing Margham Company Pvt Ltd., New Delhi 2012

Unit-III: Acharya, S.S. Agricultural Marketing in India Oxford & IBH Company Pvt. Ltd., New Delhi 2010

Unit- IV:. Acharya, S.S. Agricultural Marketing in India Oxford & IBH Company Pvt. Ltd., New Delhi 2010

Unit- V: Sankaran, S.Agricultural Marketing Margham Company Pvt Ltd., New Delhi 2012

REFERENCE BOOKS:

1. R.G.Desai Agricultural Economics Himalaya Publishing House, New Delhi
2. B.P.Tyagi Agricultural Economics and Rural Development Jai Prakash Nath&co,Meeryt.2010
3. P.Mala,Agricultural Economics Dominent Publisher, New Delhi.2018
4. Benjamin, Harioran&Karunagaran, Economics of Agriculture S.Chand& Co, New Delhi,2011

E- MATERIALS

1. www.hillagric.ac.in/edu/coa/agricoeextedursocio/lectures/...
2. www.agrimoon.com/agriculture-icar-ecourse-pdf-book
3. agritech.tnau.ac.in/agricultural_marketing/agrimark...
4. ecourses.icar.gov.in
5. www.agmarknet.gov.in
6. www.ccsniam.gov.in
7. www.indiaagronet.com/indiaagronet/Agri_marketing/...
8. www.uniprjectmaterials.com/agricultural...
9. en.wikipedia.org/wiki/agricultural-marketing

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	M	S	M	M	M
CO2	S	S	S	M	S	M	S	M	M	M
CO3	S	S	S	M	S	M	S	M	M	M
CO4	S	S	S	M	S	M	S	M	M	M

CO5	S	S	S	M	S	M	S	M	M	M
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PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

SEMESTER III
CORE PAPER - 5
INDIAN ECONOMY - 1

Course Objectives:

1. The salient objective of this paper is to introduce the students to understand the main concepts of the Indian Economy.
2. The concepts which help to the students to assess gain knowledge on various Economic Policies of the Government and also students should know that India is a fifth largest economy.
3. The students become aware of the historical and theoretical perspectives of the development of Indian Economy.
4. The students become aware of the various challenges of the Indian economy.
5. Students are able to analyse current economic scenario in India.
6. To impart knowledge about the functioning of various industrial financial institutions.

Course Out Comes

1. After studied unit-1, the student will be able to understand the various indicators of economic development.
2. After studied unit-2, the student will be able to understand the importance, causes and impact of population growth.
3. After studied unit-3, the student will be able to gain knowledge about the role of agriculture in economic development.
4. After studied unit-4, the student will be able to understand the industrial development during plan periods.

5. After studied unit-5, the student will be able to acquire knowledge about the role of industries in Economic development, and also to analyse the existing leading financial institutions in Indian Economic development.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	Yes	No	No
2	Yes	Yes	No	Yes	No	No
3	Yes	Yes	No	Yes	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No

UNIT- I: Introduction

(12hrs)

Concept of Economic Development and Growth - Basic Characteristics of LDCs - Economic and Non- economic factors - Factors inhibiting economic development.

UNIT- II: Human Development, Poverty and Unemployment

(12hrs)

Human development - Components of human development - HD Index - Recasting Planning in terms of Human development - Population Growth - Population Policy - Demographic Transition Theory - Poverty Alleviation Programmes - Unemployment - Types - Causes and Effects.

UNIT- III: Agriculture

(12hrs)

Indian Agriculture - Contribution to Economic Development - Agricultural Productivity - Land Reforms - Green Revolution II - Mechanization of Agriculture - Agricultural Development under Five Year Plans.

UNIT- IV: Industry

(12hrs)

Meaning and Definition of Industry - Role of Industries - Industrial Policy of 1991 and recent changes - Role of Small-Scale Industry in economic development - Large Scale Industry in India - Industrial Development Under Five Year Plans - Measures to Promote Small- and Large-Scale Industry in India

UNIT - IV: Industrial Finance

(12hrs)

Industrial Finance - Meaning and Definition - Need and Sources of Finance - Internal and External Sources - Industrial Financial Institutions (IDBI, SIDCO & SIDBI).

Text Books

Unit- I: Indian Economy Sankaran.SMargham Publications 7th edition 2014

Unit-II: Indian Economy RuddarDutt& Sundaram KPN Sulan Chand Publishing 7th edition 2016

Unit-III: Indian Economy Sankaran.SMargham Publications 7th edition 2014

Unit-IV: Indian Economy Sankaran.SMargham Publications 7th edition 2014

Unit- V: Indian Economy Sankaran.SMargham Publications 7th edition 2014

Reference Books:

1.Ruddar Dutt & Sundaram KPN Indian Economy S Chand Publishing 7th edition 2016

2. Sankaran .S..Indian Economy Margham Publications 7th 2014

3. Dhingra I.C. Indian Economy Manakin Press Sultan Chand & Sons 28th edition.

4.Puri V.K & Misra S.K Indian Economy Himalaya Publishing House 35th 2017

5. Agarwal A.N Indian Economy New Age 41st 2016

6. KK Dewett JD Varma & M Sharma Indian Economy S Chand & Company Pvt Ltd 1st 2016

E- Materials

1. www.studydhaba.com/indian-economy-study-material-pdf
2. www.examrace.com/IEcoS/IEcoS-Study-Material
3. www.winmeen.com/tnpsc-indian-economy-study-materials
4. www.jagranjosh.com/articles/ias-prelims-2015-gs...
5. www.governmentexams.co.in/tnpsc-indian-economy-notes
6. www.clearias.com/ias-study-materials
7. www.tnpscshouters.com/2019/02/tnpsc-indian...
8. www.hirensir.com/indian-economy-in-gujarati-pdf

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	M	M	M	M	M
CO2	S	S	S	M	S	M	M	M	M	M
CO3	S	S	S	M	S	M	M	M	M	M
CO4	S	S	S	M	S	M	M	M	M	M
CO5	S	S	S	M	S	M	M	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low

CORE PAPER - 6
MONETARY ECONOMICS -1

Course Objectives:

1. The main objective of this paper is to introduce the concept of Money.
2. The students will understand the stages of evolution of Money & Functions of Money.
3. The students gain knowledge on the Monetary Standards.
4. The Students understand various theories on value of money.
5. The Student gains knowledge of Demand for money & Supply of money.

Course Out Comes

1. After studied unit-1, the student will be able to understand the concept of Money, Stages of evolution of Money & Functions of Money.
2. After studied unit-2, the student will be able to acquire Knowledge from Monetary standards and standard system of Note issue.
3. After studied unit-3, the student will be able to understand the theories on value of money and Index numbers.
4. After studied unit-4, the student will be able to gain knowledge on Demand for money & Supply of money.
5. After studied unit-5, the student will be able to gain knowledge on Inflation, Deflation and effects of Inflation.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	No	Yes	No	No
3	Yes	Yes	No	No	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	Yes	No	No

UNIT-I: Evolution and Functions of Money

(9hrs)

Barter System and its Defects - Stages in Evolution of Money- Money-Commodity Money- Metallic Money-Paper Money-Credit Money-Definition of Money-Kinds of Money-Money and Near Money-Functions of Money-Primary Function-Secondary Function-Contingent Functions.

UNIT - II: Monetary Standards(9hrs)

Monetary standards- Meaning-Types of Monetary standards -Metallic Standard- Gold Standard - Types of Gold Standard -Merits and Demerits of Gold Standard-Downfall of Gold Standard -Bimetallism -Gresham's Law-Paper currency standard-Merits & Demerits of Paper Standard -Principles of Note Issue-Methods of Note issue- Qualities of Good Monetary Standard.

UNIT - III: Value of Money

(9hrs)

Meaning of value of money - Fisher's Quantity theory of money - The Cambridge equations - Marshall's Equation-Pigou's Equation - Robertson's Equation - Keynes's Equation - Superiority of Cash Balance Approach over Cash Transaction Approach - Saving and Investment theory.

UNIT-IV: The Demand and Supply of Money

(9hrs)

The Demand for Money- The Classical Approach-The Modern view of Demand for Money - Transaction Motive-Precautionary Motive -Speculative Motive-Liquidity Trap -The supply of Money-Definition- Different Views of Money Supply-Determinants of Money supply - Velocity of Circulation.

UNIT-V: Inflation and Deflation

(9hrs)

Inflation- Meaning and Definition -Types of Inflation - Inflationary Gap- Effects of Inflation- Measures to control Inflation- Deflation-Meaning-Effects of Deflation-Inflation Vs Deflation-Control of Deflation.

Text Books

Unit-I: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi.

Unit-II: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi.

Unit-III: M.L.Jhingan, MonetaryEconomics,Vrinda Publications(P)LTD,Delhi.7th Edition(2016)

Unit-IV: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi

Unit- V: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi

Reference Books:

1. K.K.Dewett, Modern Economic Theory,S.Chand& Company LTD,New Delhi.
2. T. T.Sethi, Monetary Economics, S.Chand& Company LTD, New Delhi.
3. Suraj,B.Gupta, Monetary Economics, Sultan Chand & Company, New Delhi.
4. S. Sankaran, Monetary Economics, Margham Publication, Chennai.

5. D.M.Mithani, Money, Public Finance and International Trade, Himalaya Publishing House.

E - Resources

1. <https://www.studynama.com/community/threads/monetary-economics-hand-written-notes-pdf-ebook-for-bcom-final-year-free-download.2474/>
2. <https://economicsnetwork.ac.uk/teaching/Online%20Text%20and%20Notes/Monetary%20Economics>
3. <https://www.coursera.org/learn/money-banking>
4. http://www.brainkart.com/article/Monetary-Economics_37077/
5. <http://whystudyeconomics.ac.uk/During-your-study/module-choices/monetary-economics/>
6. <https://www.springer.com/gp/economics/macroeconomics-monetary-economics-growth>
7. <https://www.stuvia.com/doc/293019/monetary-economics-ecs3701-selected-examination-questions-and-suggested-solutions>
8. [uk.life123.com/Monetary economics/Save your time](http://uk.life123.com/Monetary_economics/Save_your_time)

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	S	M	S	M	S	M	M	M
CO2	S	M	S	M	S	M	S	M	M	M
CO3	S	M	S	M	S	M	S	M	M	M
CO4	S	M	S	M	S	M	S	M	M	M
CO5	S	M	S	M	S	M	S	M	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

ALLIED - 2

PAPER - 3

(to choose one out of 4)

1. ECONOMICS OF ENTREPRENEURSHIP

Course Objectives:

1. To explore and understand deeply the meaning and importance of entrepreneurship.
2. Understand the basic concepts in the area of entrepreneurship.
3. To understand the role and importance of entrepreneurship for economic development.
4. To explain various stages of entrepreneurial process.
5. To understand the legal structure, to know the protection and punishments in the entrepreneurial process.
6. To understand resource mobilization for successful entrepreneurial venture.

Course Outcomes:

1. After studied unit-1, the student will be able to understand importance of entrepreneurship.
2. After studied unit-2, the student will be able to gain knowledge on different theories of motivation.
3. After studied unit-3, the student will be able to understand the creativity, innovation and decision-making process.

4. After studied unit-4, the student will be able to understand various assisting organizations like industrial park and SEZ.
5. After studied unit-5, the student will be able to acquire knowledge on rules and legislations for internal functioning and for external operations.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	No	No	No
4	No	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Introduction

(18 Hours)

Meaning - Definition - Importance - Evolution of Term Entrepreneurship - Factors influencing Entrepreneurship - Characteristics of an Entrepreneur - Types of Entrepreneurs - Barriers to Entrepreneurship.

UNIT-II: Motivation

(18 Hours)

Meaning - Definition - Entrepreneurial Motivation - Maslow's Theory - Herzberg's Theory - McGregor's Theory - Achievement Theory - Culture & Society - Values / Ethics - Risk Taking Behavior.

UNIT-III: Creativity

(18 Hours)

Meaning - Definition - Creativity and Entrepreneurship - Steps in Creativity - Innovation and Inventions - Using Left Brain Skills to Harvest Right Brain Ideas - Legal Protection of Innovation - Skills of an Entrepreneur - Decision Making and Problem Solving - Steps in Decision Making.

UNIT-IV: Organisation Assistance

(18 Hours)

Meaning - Definition - Assistance to an Entrepreneur - New Ventures - Industrial Park - Special Economic Zone - Financial assistance by different agencies - MSME Act Small Scale Industries - Carry on Business (COB) License - Environmental Clearance - National Small Industries Corporation (NSIC).

UNIT-V: Rules and Legislation

(18 Hours)

Rules and Legislation - Applicability of Legislation - Industries Development (Regulations) Act, 1951 - Factories Act, 1948. The Industrial Employment (Standing Orders) Act, 1946 - Suspension - Stoppage of work - Termination of employment - Environment (Protection) Act, 1986 - The sale of Goods Act, 1950 - Industrial Dispute Act 1947.

Text Books:

Unit-I: H. Nandan - Fundamentals of Entrepreneurship PHI Learning Publisher - 3rd edition.

Unit-II: H. Nandan - Fundamentals of Entrepreneurship PHI Learning Publisher - 3rd edition.

Unit-III: Srivastava S. B: A Practical Guide to Economics of Entrepreneur; Sultan Chand and Sons, New Delhi

Unit-IV: Srivastava S. B: A Practical Guide to Economics of Entrepreneur Sultan Chand and Sons, New Delhi

Unit-V: Srivastava S. B: A Practical Guide to Economics of Entrepreneur Sultan Chand and Sons, New Delhi

Reference Books

1. Tendon, C: Environment and Entrepreneur; Chugh Publications, Allahabad.

2. Siner A David: Entrepreneurial Megabucks; John Wiley and Sons, New York.
3. Srivastava S. B: A Practical Guide to Industrial Entrepreneurs; Sultan Chand and Sons, New Delhi
4. Prasanna Chandra: Projects Preparation, Appraisal, Implementation; Tata McGraw Hill. New Delhi
5. Pandey I.M: Venture Capital - The Indian Experience; Prentice Hall of India. New Delhi
6. Holt: Entrepreneurship-New Venture Creation; Prentice Hall of India. New Delhi
7. Tendon, C: Environment and Entrepreneur; Chugh Publications, Allahabad.
8. Siner A David: Entrepreneurial Megabucks; John Wiley and Sons, New York.
9. Srivastava S. B: A Practical Guide to Industrial Entrepreneurs; Sultan Chand and Sons, New Delhi
10. Prasanna Chandra: Projects Preparation, Appraisal, Implementation; Tata McGraw Hill. New Delhi
11. Pandey I.M: Venture Capital - The Indian Experience; Prentice Hall of India. New Delhi
12. Holt: Entrepreneurship-New Venture Creation; Prentice Hall of India. New Delhi
13. Simon C.Parker, The Economics of Entrepreneurship - Cambridge University Press - 2018.

E - Materials:

1. www.mbaexamnotes.com/entrepreneurship-notes.html
2. www.simplynotes.in/.../mbabba/entrepreneurship-development
3. universityofcalicut.info/syl/Entrepreneurship Development...
4. www.cambridge.org/core/books/economics-of...
5. www.uniprojectmaterials.com/entrepreneurship/...
6. www.yourarticlelibrary.com/entrepreneur/entrepreneurship...
7. www.projecttopics.org/projects/entrepreneurship
8. study.com/.../common-forms-of-entrepreneurship.html
9. in.zapmetasearch.com/Entrepreneurship Studies

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	S	M	M	M	M	S	M	M
CO2	M	S	M	S	M	M	S	M	M	M
CO3	M	S	S	M	S	M	S	M	M	M
CO4	M	M	M	S	S	S	M	M	S	M
CO5	S	M	S	S	M	M	S	S	M	M

PO – Programme Outcome, CO – Course outcome
S – Strong, M – Medium, L – Low (may be avoided)

ALLIED - 2

PAPER - 3

2. ECONOMIC DEVELOPMENT OF TAMIL NADU-1

Course Objectives:

1. To understand the status of Tamil Nadu among states.
2. To learn about the strength and opportunities in the economic development of Tamil Nadu.
3. To understand the development and problems of agricultural sector in Tamil Nadu.
4. To learn about the existing infrastructures of Tamil Nadu.
5. To learn about the futuristic vision infrastructure requirements.
6. To analyse the Tamil Nadu development model and their planning for future development.

Course Outcomes:

1. After studied unit-1, the student will be able to acquire knowledge on economic characteristics of Tamil Nadu.
2. After studied unit-2, the student will be able to gain knowledge on the comparison of Tamil Nadu with other states.
3. After studied unit-3, the student will be able to understand the saga of infrastructure development.
4. After studied unit-4, the student will be able to understand the prevailing agriculture crop pattern.
5. After studied unit-5, the student will be able to get knowledge on agricultural production, animal husbandry and fish farming.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	No	Yes	No	No	No	No
2	Yes	Yes	No	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT - I: Introduction

(18 Hours)

Relevance of Regional Economics - The place of Tamil Nadu in the National Economy Scene
 - Basic characteristics: Size - Demography - Urbanization - Literacy - Resources Endowment
 - Land - Soil - Minerals - Water - Forests - Coast Line.

UNIT-II: Development Experience

(18 Hours)

Development Experience of Tamil Nadu - Trends in SDP - Per Capita SDP - Composition of SDP - Sectoral Contribution - Inter-State Comparison.

UNIT-III: Infrastructure

(18 Hours)

Infrastructure: Transport - Railways - Roads - Nationalization of Road Transport - Performance of Roadways Corporations - Power - Trends in Demand and Supply - Rural Electrification - Banking Coverage - Credit - Deposits and Advances - Housing - Slum Improvement.

UNIT-IV: Agriculture

(18 Hours)

Development in Agriculture - Crops are Grown in Tamil Nadu - Changes in Land Use Pattern - Cropping Pattern and Crop Intensity.

UNIT-V: Agricultural Production

(18 Hours)

Index of Agricultural Production and Productivity - Green Revolution - Productivity and Yield - Agricultural Marketing - Animal Husbandry - Fisheries.

Text Books:

Unit-I: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-II: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-III: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006

Unit-IV: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-V: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Reference Books:

1. Tamil Nadu Economic Appraisal
2. Tamil Nadu Economy- MIDS Publication

3. A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

E - Materials:

1. www.ibef.org/states/tamil-nadu-presentation
2. en.wikipedia.org/wiki/Economy_of_Tamil_Nadu
3. www.ibef.org/states/tamil-nadu-infographic
4. www.tnpscgu.ru.in/2020/02/Human-Development...
5. tnpsc.academy/tnpsc-development-administration...
6. www.civilserviceaspirants.in/gk/Indian-Economy/...
7. tnpsc.academy/course/tnpsc-development...
8. en.wikipedia.org/wiki/Tamil_Nadu
9. www.thehindu.com/news/national/tamil-nadu/tamil...
10. www.teoma.co.uk/Economic_development/Tamil_Nadu

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	M	S	M	S	M	M
CO2	M	S	M	M	S	S	S	M	M	M
CO3	M	S	S	M	M	M	M	M	S	M
CO4	S	M	M	S	S	M	S	M	M	S
CO5	M	S	S	M	M	M	M	S	S	M

PO – Programme Outcome, CO – Course outcome
S – Strong, M – Medium, L – Low (may be avoided)

ALLIED - 2

PAPER - 3

3. WOMEN AND THE ECONOMY

Course Objectives:

1. Introducing women as an equal contributor for GNP.
2. Emphasize the need of women development for economic upliftment.
3. To emphasize women empowerment and its positive outcome on national economy.
4. To understand the importance of women health and education for better awareness.
5. To make them understand women related laws for solving social and economic issues.
6. Elaborate multiplier effect of women development.

Course Outcomes:

1. After studied unit-1, the student will be able to understand the role of women in economic development.
2. After studied unit-2, the student will be able to acquire Knowledge on women Empowerment.
3. After studied unit-3, the student will be able to understand the concept of demography.
4. After studied unit-4, the student will be able to get clear picture on status of women in health and education.
5. After studied unit-5, the student will be able to gain knowledge on women rights.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	No	Yes	No	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Introduction**(18 Hours)**

Women as Human Resource - Women and Economic Development - Contribution of Women to GNP.

UNIT-II: Role of Women the Economy**(18 Hours)**

Women's Empowerment - Concept - Objectives - Types: Social Empowerment - Economic Empowerment - Economic Empowerment - Working in Household Industries - Role of Women in European, American, Asian, African countries,

UNIT-III: Demography and Social Issues**(18 Hours)**

Demographic and futurological Issues - Gender ratio - Age composition - Female IMR - Fertility Rate - Female Infanticide - Male Preference - Problems Faced by Women.

UNIT-IV: Status of Women in Health and Education**(18 Hours)**

Health Education: Meaning - Definition - Concept - Dimensions of Health - Determinants of Health - Health Care and Delivery System - Female Adult Education - Health Information System - Health and Education of Women in India.

UNIT-V: Law and Women's Rights**(18 Hours)**

Domestic Violence - Dowry Harassment - Wife Battering - Sexual Abuse - treatment of Widows - Crimes Against Women - Equality for Women - Legal Literacy for women - Promoting of Women's Right by Government - Property Right.

Text Books:

Unit-I: M.L.Jhingan, Women and the Economy, Vrinda Publication Haryana, 2015

Unit-II: M.L.Jhingan, Women and the Economy, Vrinda Publication Haryana, 2015

Unit-III: M.L.Jhingan, Women and the Economy, Vrinda Publication Haryana, 2015

Unit-IV: M.L.Jhingan, Women and the Economy, Vrinda Publication Haryana, 2015

Unit-V: M.L.Jhingan, Women and the Economy, Vrinda Publication Haryana, 2015

Reference Books:

1.M.L.Jhingan Different Demographic Measurement Vrinda Publication, Haryana.2015

2. G.Das,Determinants of Population Growth,King Publication, New Delhi.2005

E - Resources

1. phys.org/news/2018-06-women-impact-economy...
2. www.oecd.org/gender/Enhancing Women Economic Empowerment...
3. www.unwomen.org/en/what-we-do/economic-empowerment
4. www.ignouhelp.in/ignou-ba-study-material
5. www.empowerwomen.org/en/resources
6. study.com/.../lesson/women-in-the-qing-dynasty.html
7. www.mckinsey.com/featured-insights/employment...

8. [www.gigapromo.in/Compare-Now/Economic Study Material](http://www.gigapromo.in/Compare-Now/Economic%20Study%20Material)

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	S	S	S	M	S	M	S	M	M
CO2	M	S	S	M	S	S	M	S	S	M
CO3	S	S	M	M	M	M	S	S	M	S
CO4	S	M	M	S	S	M	S	M	S	M
CO5	S	S	S	M	M	S	S	M	M	S

PO – Programme Outcome, CO – Course outcome
S – Strong , M – Medium, L – Low (may be avoided)

SKILL BASED SUBJECT

PAPER - 1

INTERVIEW SKILLS AND PERSONALITY DEVELOPMENT

Course Objectives:

1. To make students learn the art of presenting curriculum vitae in appropriate way.
2. To improve the employable skill.
3. To get acquainted with group discussion procedure.
4. To improve self-confidence through mock interviews.
5. Tips to improve overall personality development.
6. Design this program for more interactions and personal development.

Course Outcomes:

1. After studied unit-1, the student will be able to understand to write curriculum vitae.
2. After studied unit-2, the student will be able to acquire Knowledge of inter personnel communication skill.
3. After studied unit-3, the student will be able to acquire the knowledge of interview skills.
4. After studied unit-4, the student will be able to gain knowledge on categories of group discussion.
5. After studied unit-5, the student will be able to gain practical knowledge on solving the competitive exam question paper.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	No	No	No
4	No	Yes	Yes	No	No	No
5	No	Yes	Yes	No	No	No

UNIT-I: Introduction

(9 Hours)

Interview Meaning - Definition - Types of an Interview - Process of an Interview - Purpose of an Interview - Writing Curriculum Vitae.

UNIT-II: Employability Skills

(9 Hours)

Interpersonal Communication Skill - Critical Thinking Skills - Personal development and presentation skills - Leadership.

UNIT-III: Interview Skills

(9 Hours)

Principles for Success - Do's and Don'ts before the Interview - During the Interview - After the Interview - Common Interview Errors.

UNIT-IV: Group Discussion

(9 Hours)

Meaning - Definition – Objectives - Group Discussion - Categories of Group Discussion - Structure and Evaluation Components - Tips for Successful Group Discussion.

UNIT-V: Sample Interview Questions

(9 Hours)

Model Interview Questions for Discussion: UPSE Civil services Examinations - Staff Selection communication - Banks - Business Sectors - Higher Jobs in Educations - Guidelines for the Salary Negotiations.

Text Books:

Unit-I:SajthaJayaprakash Interview Skills and Personality Development Himalaya Publication House2019

Unit-II:SajthaJayaprakash Interview Skills and Personality Development Himalaya Publication House2019

Unit-III:SajthaJayaprakash Interview Skills and Personality Development Himalaya Publication House2019

Unit-IV:SajthaJayaprakash Interview Skills and Personality Development Himalaya Publication House2019

Unit-V:SajthaJayaprakash Interview Skills and Personality Development Himalaya Publication House2019

Reference Books:

1. SajthaJayaprakashInterview Skill, Himalaya Publication House. 2019
2. BarunK.Mitra,Personality Development and Soft Skill,Oxford University. 2019

E - Resources

1. gethppy.com/talent-management/how-to-assess...
2. www.cnbc.com/2019/07/24/career-advice-the...
3. resources.workable.com/managers-interview-questions
4. hiring.monster.com/.../interview-for-leadership
5. atmanco.com/blog/hiring/7-personality-questions...
6. www.managementstudyguide.com/personality-traits...

7. www.clearias.com/ias-interview-tips
8. www.jobtestprep.com/personality-test-free
9. www.thebalancecareers.com/personal-skills-list...
10. [www.teoma.co.uk/The interview questions/Search no more](http://www.teoma.co.uk/The%20interview%20questions/Search%20no%20more)

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	S	M	M	M	S	S	M	M
CO2	S	S	S	M	S	S	M	M	S	M
CO3	M	S	M	S	S	S	M	M	M	S
CO4	M	M	S	S	S	M	S	M	S	M
CO5	S	S	M	M	S	M	S	S	M	S

PO – Programme Outcome, CO – Course outcome
S – Strong , **M** – Medium, **L** – Low (may be avoided)

NON-MAJOR ELECTIVE

PAPER - 1

FUNDAMENTALS OF ECONOMICS - 1

Course Objectives:

1. This course is designed to make the undergraduate students of other disciplines aware of the basic ideas and concepts in economics.
2. To make students understand economic ideas and its implications in real time life situation.

Course Outcomes:

1. After studied unit-1, the student will be able to understand the concept of economics with definition.
2. After studied unit-2, the student will be able to acquire Knowledge of the importance of micro economics and macroeconomics.
3. After studied unit-3, the student will be able to understand the economic growth and economic development.
4. After studied unit-4, the student will be able to gain knowledge on causes of poverty and eradication programmes.
5. After studied unit-5, the student will be able to gain knowledge on employment guarantee programme

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No

3	Yes	Yes	No	No	No	No
4	Yes	Yes	Yes	No	No	No
5	No	Yes	Yes	No	No	No

UNIT-I: Micro Economics

(6 Hours)

Definition of Economics - Adam Smith - Marshall - Robbins - Samuelson -Micro Economics-Meaning-Importance and Uses of Micro Economics- Macro Economics - Meaning-Difference between Micro and Macro Economics

UNIT-II: Macro Economics

(6 Hours)

Meaning - Definition- Basic Concepts of National Income - Gross National Product - Net National product - Personal Income - Per-capita income - Methods of Calculation of national Income - Problems of Calculation

UNIT-III: Economic Growth and Economic Development

(6 Hours)

Meaning of Economic Growth - Meaning of Economic Development - Difference between Development and Growth - Determinants of Economic Development and Economic Growth

UNIT-IV: Poverty

(6 Hours)

Meaning - Definition - Causes of Poverty - Absolute and Relative Poverty - Poverty Eradication Programmes.

UNIT - V: Unemployment

(6 Hours)

Meaning - Causes of Unemployment - Kinds of Unemployment - Employment guarantee programmes.

Text Books:

Unit-I: M.L.Jhingan, Fundamentals of Economics Vrinda Publication Pvt.Ltd.,Delhi 2012

Unit-II: A.L.Ahuja Fundamental of Economics Sultan Chand & Sons New Delhi 2017

Unit-III: M.L.Jhingan, Fundamentals of Economics Vrinda Publication Pvt.Ltd.,Delhi 2012

Unit-IV: A.L.Ahuja Fundamental of Economics Sultan Chand & Sons New Delhi 2017

Unit-V : M.L.Jhingan, Fundamentals of Economics Vrinda Publication Pvt.Ltd.,Delhi 2012

Reference Books:

1. M. L. Jhingan Principles of Economics Vrinda Publication Pvt.Ltd.,Delhi Latest Edition
2. GopalK.PuriEconomics for Civil Services (IAS)IIMS Publication, New Delhi Latest Edition2018
3. A.N.Agrawal Indian EconomyVikas Publishing House Latest Edition2019
4. H.L.Ahuja Advanced Economic Theory Sultan Chand & Sons New Delhi Latest Edition 2017

E - Resources

1. byjus.com/commerce/introduction-to-economics...
2. www.examrace.com/Study-Material/Economics
3. www.clearias.com/economics
4. www.thoughtco.com/economics-for-beginners-
5. www.clearias.com/ias-study-materials
6. www.clearias.com/basic-concepts-of-economics...
7. en.wikipedia.org/wiki/Economics
8. www.freebookcentre.net/Business/Economics-Books.html
9. [in.downloadsearch.cnet.com/Learning economics online free/Answers](http://in.downloadsearch.cnet.com/Learning_economics_online_free/Answers)
10. [www.homeandgardenideas.com/Basic of economics/](http://www.homeandgardenideas.com/Basic_of_economics/)

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	S	M	S	M	M
CO2	S	S	S	S	M	M	S	S	M	M
CO3	S	M	M	M	S	S	M	M	S	S
CO4	M	S	S	S	M	M	S	S	M	M
CO5	M	S	S	S	S	M	M	S	S	S

PO – Programme Outcome, CO – Course outcome
S – Strong , **M** – Medium, **L** – Low (may be avoided)

SEMESTER IV
CORE PAPER - 7
INDIAN ECONOMY-II

Course Objectives:

1. To acquire sufficient knowledge about India's Economic Development and fundamental Concept about National Income in India.
2. The knowledge acquired through this paper will help the students to know the current changes towards economic development.
3. To equip the students to enhance their knowledge about the economic progress and problems of our country.
4. To impart the knowhow of planning and its methodologies.
5. To bring awareness on international trade and its impact on our daily life.
6. To understand the importance of logistics and movement of people through various transport system.

Course Out Comes:

1. After studied unit-1, the student will be able to understand the formation of National Income.
2. After studied unit-2, the student will be able to acquire knowledge about the planning in India.
3. After studied unit-3, the student will be able to clarify the economic reforms and LPG policy.
4. After studied unit-4, the student will be able to assess the India's foreign trade policy.
5. After studied unit-5, the student will be able to understand the transport system and policy in India.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	No	No	No	No
3	No	Yes	No	No	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No

UNIT - I: National Income**(12 Hours)**

National Income - Definitions - Concepts - Methods of measuring National Income - Difficulties in the Measurement of National Income - Trends in National Income Growth and Structure - National Income estimate in India - Limitations of National Income estimation in India.

UNIT - II: Planning**(12 Hours)**

Planning in India - Objectives - Importance - Evaluation of Economic Planning - Strategy of India's development Plan's - Regional Planning in India - Regional Planning Policy in India. Assessment of Indian Planning - Establishment of NITI Aayog and its functions.

UNIT - III: Economic Reforms and Liberalization**(12 Hours)**

Economic Reforms since 1990's - Appraisal of Economic Reforms - Liberalization: Meaning - Advantages and Disadvantages - Privatization: Meaning and Scope - Globalization - its impact on Indian Economy - Merits and Demerits of Globalization.

UNIT - IV: International Trade**(12 Hours)**

International Trade - India's Foreign Trade - Growth and Structure of India's Foreign Trade - India's Balance of Payments - Measures to Solve disequilibrium in the Balance of Payments Position - New Trade Policy - The Reform Period - Foreign Trade Policy of 2015-2020 - Function and Organization of WTO, IMF and IBRD.

UNIT- V: Transport System in India

(12 Hours)

Transport - Importance of Transport (Roadway, Railways, Shipping and Civil Aviation) to Economic Development - Communication System in India - Transport contribution to Agriculture and industry. Recent trends in all transport in India.

Text Books

Unit-I: Sankaran.S Indian Economy Margham Publications 7th edition 2014

Unit-II: RuddarDutt&Sundaram Indian Economy KPN Sulan Chand Publishing 7th edition 2016

Unit-III: Sankaran.S Indian Economy Margham Publications 7th edition 2014

Unit-IV: Sankaran.S Indian Economy Margham Publications 7th edition 2014

Unit-V: Sankaran.S Indian Economy Margham Publications 7th edition 2014

Reference Books:

S.No	Title	Authour	Publisher	Edition	Year
	Indian Economy	RuddarDutt&Sundaram KPM	S Chand Publishing	7 TH	2016
	Indian Economy	Sankaran S	Margham Publications	7 th	2014
	Indian Economy	Dhingra I.C	Manakin Press	21 ST	2013
	Indian Economy	Misra S.K &Puri V.K	Himalaya	35 TH	2017

			Publishing House		
	Indian Economy	Sanjiv Verma	Unique Publishers	8 th	2019
	Indian Economy	Agarwal A.N	New Age	41 ST	2016
	Economics of Development & Planning	Jhingan M.L	Vrinda Publication	41 ST	2016

E- Materials

1. www.studydhaba.com/indian-economy-study-material-pdf
2. www.examrace.com/IEcoS/IEcoS-Study-Material
3. www.winmeen.com/tnpsc-indian-economy-study-materials
4. www.jagranjosh.com/articles/ias-prelims-2015-gs...
5. www.examrace.com/NTA-UGC-NET/NTA-UGC-NET-Study...
6. www.governmentexams.co.in/tnpsc-indian-economy-notes
7. www.tnpscshouters.com/2019/02/tnpsc-indian...

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	M	S	S	S	M	M
CO2	S	S	M	M	S	S	M	M	S	M
CO3	M	S	S	S	M	M	S	S	M	S
CO4	M	S	S	S	S	M	M	S	S	M
CO5	S	M	S	S	M	S	S	M	M	S

PO – Programme Outcome, CO – Course outcome
S – Strong, M – Medium, L – Low (may be avoided)

CORE PAPER - 8

MONETARY ECONOMICS -II

Course Objectives:

1. The main objective of this paper is to introduce the concept of Bank.
2. The students understand the Working of Commercial Banks.
3. Acquires the knowledge of the Central Banks and its functions.
4. Gains knowledge of monetary policy and the role played in an Economy.
5. Understands the importance of Money market in economic development.
6. The student Understand the Capital Market and its functions.

Course Out Comes:

1. After studied unit-1, the student will be able to understand the Commercial banks and its functions.
2. After studied unit-2, the student will be able to acquire Knowledge of Central banks, its functions and the instruments of credit control.
3. After studied unit-3, the student will be able to acquire knowledge of Monetary policy and its role in a developing economy
4. After studied unit-4, the student will be able to gain knowledge of importance of Money market in economic development
5. After studied unit-5, the student will be able to gain knowledge of Capital market and its working in India.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	No	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	No	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Commercial Banks**(9 Hours)**

Commercial Banks - Meaning- Functions of Commercial Banks - Credit Creation -Meaning - Technique of Credit Creation - Nationalization of Commercial Banks- Objectives of Nationalization-A critical Appraisal of the functioning of Nationalized Banks in India.

UNIT-II: Central Banking**(9 Hours)**

Nature and Functions of a Central Bank - Instruments of Credit control - Its efficiency and limitations - Key differences between Central Bank and Commercial Bank.

UNIT - III: Monetary Policy**(9 Hours)**

Monetary Policy-Meaning and Definition - Objectives of Monetary policy - Instruments of monetary policy - Role of Monetary policy in a Developing Economy- RBI and Monetary Policy -Limitation of Monetary policy.

UNIT IV-Money Market**(9 Hours)**

Money Market- Meaning - Features-Institutions of the Money Market-Instruments of the Money Market-Functions and Importance of Money Market in economic development.

UNIT - V: Capital Market**(9 Hours)**

Capital Market-Meaning-Features-Functions of Capital Market-Working of Indian Capital Market-Distinction between Money Market and Capital Market

Text Books

Unit-I: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi.

Unit-II: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi.

Unit-III: M.L.Jhingan, Monetary Economics,Vrinda Publications(P)LTD,Delhi.7th Edition

Unit-IV: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi

Unit-V: R.Cauvery, N.Kruparani, U.K.SudhaNayak ,A.Manimekalai, Monetary Economics, Sultan Chand & Company LTD,Ram Nagar New Delhi

Reference Books:

- 1.K.K.Dewett, Modern Economic Theory,S.Chand& Company LTD,New Delhi.
2. T. T.Sethi, Monetary Economics, S.Chand& Company LTD, New Delhi.
3. Suraj,B.Gupta, Monetary Economics, Sultan Chand & Company, New Delhi.
4. S. Sankaran, Monetary Economics, Margham Publication, Chennai.
5. D.M.Mithani, Money, Public Finance and International Trade, Himalaya Publishing House.

E Resources

1. <https://www.studynama.com/community/threads/monetary-economics-hand-written-notes-pdf-ebook-for-bcom-final-year-free-download.2474/>
2. <https://economicsnetwork.ac.uk/teaching/Online%20Text%20and%20Notes/Monetary%20Economics>
3. <https://www.coursera.org/learn/money-banking>

4. http://www.kvongcmehsana.org/admin/downloads/1190010322session_2015-16_class_xi_economics_study_material.pdf
5. http://www.brainkart.com/article/Monetary-Economics_37077/
6. <http://whystudyeconomics.ac.uk/During-your-study/module-choices/monetary-economics/>
7. http://www.lse.ac.uk/resources/calendar/courseGuides/EC/2018_EC321.htm
8. <https://www.springer.com/gp/economics/macroeconomics-monetary-economics-growth>
9. <https://www.stuvia.com/doc/293019/monetary-economics-ecs3701-selected-examination-questions-and-suggested-solutions>
10. uk.life123.com/Monetary_economics/Save_your_time

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	M	M	M	S	M
CO2	M	S	S	S	M	M	S	S	M	M
CO3	S	S	M	S	M	S	S	S	S	S
CO4	S	S	M	M	S	M	M	S	M	S
CO5	S	M	S	S	S	S	M	M	S	M

PO – Programme Outcome, CO – Course outcome
S – Strong, **M** – Medium, **L** – Low (may be avoided)

ALLIED - 2

PAPER - 4

(To choose one out of 4)

1. Basic Econometrics

Course Objectives:

1. To prepare students for basic empirical works in economics.
2. To introduce set of research tools used to estimate and test economic relations.
3. To introduce linear regression analysis to students.
4. To introduce theory and application of contemporary economic tools.
5. To provide opportunity to use actual economic for testing economic theories.
6. To introduce simultaneous equation methods and its application in economic models.

Course Outcomes:

1. After studied unit-1, the student will be able to understand the nature and scope of econometrics.
2. After studied unit-2, the student will be able to gain knowledge on linear regression.
3. After studied unit-3, the student will be able to understand generalized least square and its applications.
4. After studied unit-4, the student will be able to understand simultaneous equation methods.
5. After studied unit-5, the student will be able to understand to apply econometric models.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT - I: Nature and Scope of Econometrics

(18 Hours)

Meaning - Definition - Econometric Approach - Economic theory - Statistics and Econometrics - Nature and Uses of Econometric Models.

UNIT- II: Linear Regression

(18 Hours)

Meaning - Two Variable Regression - Multiple Regression - Correlation Coefficient - Multi Co-linearity - Extensions of Linear Regression - Functional Forms - Dummy Variables - Analysis of Variance.

UNIT -III: Generalized Least Squares

(18 Hours)

Meaning - Heteroscedastic Errors - Autocorrelation - Errors in Variables - Methods of Instrumental Variable - Grouping of Observations and Grouping of Equations.

UNIT - IV: Simultaneous Equation Methods

(18 Hours)

The problem of identification - Estimation - Two Stage Least Squares - Introduction to Limited Information and Full Information- Maximum Likelihood and Three Stage Least Squares.

UNIT - V: Application of Econometric Models

(18 Hours)

Application of Single Equation Technique in Demand analysis - Aggression Problem, Engle's Law, Slutsky's Theorem - Model in Relative Prices, Aggregation over consumers -

Properties of the Estimators - Estimation of Consumption Function - Cross Section and Time Series - Estimation of Production functions: Cobb Douglas.

Text Books:

Unit- I: Damodar, Gujarati, Basic Econometrics, Singapore McGraw Hill Inc., 1995.

Unit-II: Damodar, Gujarati, Basic Econometrics, Singapore McGraw Hill Inc., 1995.

Unit- III: Damodar, Gujarati, Basic Econometrics, Singapore McGraw Hill Inc., 1995.

Unit- IV: Damodar, Gujarati, Basic Econometrics, Singapore McGraw Hill Inc., 1995.

Unit- V: Damodar, Gujarati, Basic Econometrics, Singapore McGraw Hill Inc., 1995.

References Books:

1. Johnstorn. J. Econometric Methods. Singapore, McGraw Hill Inc., 1994.

2. Johnson, Aaron.C Jr et al. Econometrics: Basic and Applied. New York, MacmillanPublishing Co, 1987.

3. Maddala.G.S. Econometrics. New York, McGraw Hill, 1997.

E- Materials:

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3. www.clearias.com/ias-study-materials
4. www.icsi.in/Study Material Foundation/BE.pdf
5. www.thoughtco.com/economics-for-beginners-4140372
6. www.ignouhelp.in/ignou-mec-study-material
7. ocw.mit.edu/courses/economics/14-32-econometrics...
8. jobrapido.com/jobs econometrics
9. in.zapmetasearch.com/Basic Econometrics/Now
10. www.gigapromo.in/Compare-Now/Economic

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	M	S	S	M	M	S	S	M
CO2	S	S	S	M	S	S	S	M	M	S
CO3	S	M	S	S	M	M	S	S	S	S
CO4	M	S	M	M	S	S	M	S	S	M
CO5	S	S	M	S	S	M	S	S	S	M

PO – Programme Outcome, CO – Course outcome
S – Strong, **M** – Medium, **L** – Low (may be avoided)

SEMESTER – IV PAPER TYPE: ALLIED - 2

PAPER – 4 ECONOMIC DEVELOPMENT OF TAMIL NADU-II

Course Objectives

1. To understand the industrial map of Tamil Nadu.
2. To learn about the growth of industrial output.
3. To understand the salient features of human capital.
4. To learn about the existing plan and its resource allocation on various sector.
5. To learn about the sources of state finance and expenditure pattern.
6. To study about welfare measures and its impact on society.

Course Outcomes:

1. After studied unit-1, the student will be able to acquire knowledge on various industries from Chennai to Tuticorin.
2. After studied unit-2, the student will be able to gain knowledge on the role played by industrial finance institutions for the industrial development.
3. After studied unit-3, the student will be able to acquire knowledge on human capital of Tamil Nadu with education and skilled work force.
4. After studied unit-4, the student will be able to understand the pattern of resource allocation on various sectors.
5. After studied unit-5, the student will be able to get knowledge on various welfare schemes of Tamil Nadu.

Matching Table (Put Yes / No in the appropriate box)

Unit	i.	ii.	iii.	iv.	v.	vi.
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	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	No	No	No	No
4	No	Yes	Yes	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: Industrial Development

(18 Hours)

Industrial Development: Major Industries - Cotton -Textiles - Sugar - Cement - IT - Automobiles - Leather Processing - Small Scale Industries - Cottage Industries - Light Engineering Goods

UNIT-II: Industrial Production

(18 Hours)

Index of Industrial Production - Change in the Industrial Structure - Investment - Export Value Added - Employment - Number of Registered Factories - State aid to Industrial Development - State Sponsored Corporations.

UNIT-III: Human Capital

(18 Hours)

Human resource and economic development - Occupational Pattern - Employment and Unemployment - Poverty - Education-Health and Nutrition-Water Supply and Sanitation.

UNIT-IV: Planning

(18 Hours)

Planning - Objectives - Targets - Sectoral Allocation - Performance - Problems of Poverty and Unemployment - State Finance - Sources of Finances - Pattern of Expenditure - Central Assistance.

UNIT-V: Welfare Measures

(18 Hours)

Recent welfare Measures: Various Schemes of TN Government - Social Welfare Schemes - Importance - Impact on the Society.

Text Books:

Unit-I: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-II: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-III: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-IV: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Unit-V: A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.

Reference Books:

1. Tamil Nadu Economic Appraisal
2. Tamil Nadu Economy- MIDS Publication
3. A.G. Leonard, Tamil Nadu Economy, Macmillan India, Laxmi publication 2006.
4. S. Perumalsamy, Economic Development of Tamil Nadu, S. Chand & Company, 1985.
5. A. G. Leonard, Tamil Nadu Economy, illustrated, Macmillan India, 2006.
6. S. Kuppusamy, Economic Development of Tamil Nadu, Sharada Publishing House, Delhi, 2014.

E - Materials:

1. www.ibef.org/states/tamil-nadu-presentation
2. en.wikipedia.org/wiki/economy-_of_-tamil-nadu
3. www.ibef.org/states/tamil-nadu-infographic
4. www.tnpscguru.in/2020/02/Human-Development...
5. tnpsc.academy/tnpsc-development-administration...
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7. tnpsc.academy/course/tnpsc-development...
8. en.wikipedia.org/wiki/Tamil_Nadu
9. www.thehindu.com/news/national/tamil-nadu/tamil...
10. www.teoma.co.uk/Economic_development/Tamil_Nadu

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	M	S	M	S	M	M
CO2	M	S	M	M	S	S	S	M	M	M
CO3	M	S	S	M	M	M	M	M	S	M
CO4	S	M	M	S	S	M	S	M	M	S
CO5	M	S	S	M	M	M	M	S	S	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

SEMESTER – IV

ALLIED - 2

PAPER – 4

3. DEVELOPMENT ECONOMICS

Course Objective

1. The goal of this course is to provide students with the essential concepts of Development economics.
2. To prepare them to understand the causes of under development.
3. To make them understand various growth models of development.
4. To emphasise the importance of resource allocation.
5. To explain the choice of technology this makes a big difference in the result.
6. An attempt to train students to collect and interpret data on developing economies.

Course Outcome

1. After studied unit-1, the student will be able to understand the importance of growth for development.
2. After studied unit-2, the student will be able to analyse various growth models.
3. After studied unit-3, the student will be able to understand the present-day growth models.
4. After studied unit-4, the student will be able to acquire knowledge on various stages of growth.
5. After studied unit-5, the student will be able to get knowledge on the importance of resource allocation.

Matching Table (Put Yes / No in the appropriate box)

Unit	I. Remembering	ii.Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	No	No	No	No
3	Yes	Yes	Yes	No	No	No
4	No	Yes	No	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT - I: Growth and Development

(18 Hours)

Growth and Development - Meaning -objectives - relevance of economic development - Measurement of economic development - Development gap.

UNIT -II: Growth Models

(18 Hours)

Basic assumptions of Growth Models -The Harrod - Domar Model and its applications - The Kaldors Growth Model.

UNIT - III: Growth Models (Continue)

(18 Hours)

The Fei -Ranis Model of economic growth -The wage goods Model -A critique of Dual economy Model- The Mahalanobis Model.

UNIT - IV: Stages of Growth

(18 Hours)

The stages of Growth Model - Rostow- Lewis Model -Nurkse balanced Growth model - Leibenstein Model.

UNIT - V: Resource Allocation

(18 Hours)

Resource allocation and choice of technology - Appropriate and inappropriate technology- Linear programming and development planning.

Text Books:

Unit - I: M.L.Jhingan, The Economics of Development Planning, Vrinda Publications Private Ltd., February 2014.

Unit- II: M.L. Jhingan, The Economics of Development Planning, Vrinda Publications Private Ltd., February 2014.

Unit- III: M.L.Jhingan, The Economics of Development Planning, Vrinda Publications Private Ltd., February 2014.

Unit- IV: M.L.Jhingan, The Economics of Development Planning, Vrinda Publications Private Ltd., February 2014.

Unit- V: M.L.Jhingan, The Economics of Development Planning, Vrinda Publications Private Ltd., February 2014.

Reference Books:

1. Albert O.Hirschman, The Strategy of Economic Development, ww Norton & Co.,
2. W.Arthur Lewis, The theory of Economic Growth - Routldge publication, 2007.
3. Albert O.Hirschman, Development Projects Observed, Brookings Institution, 2014.
4. GPH Panel of experts, Economics of Growth and Development, GullybabaPulishing House Latest edition.
5. M.L.Jhingan& B.K, Jhingan, The Economics of Development Planning, 42nd edition January 2019.
6. Adelman, I., Theories of Economic Growth and Development, Stanford University Preess, Stanford 1961.
7. Chakravarty, S., Development Planning the Indian Experience, Clarendon Press 1989.
8. Todaro, M. P., Economics for a developing, 2ndEd., Longman 1981.
9. Todaro, M. P., Development Planning Models and Methods. Oxford University Press 1971.
10. Kindleberger, C. P., Economic Development, 3rd Ed., McGraw-Hill 1977.

E - Materials:

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2. mycbseguide.com/blog/economics-story-development...
3. www.clearias.com/economics
4. exampariksha.com/indian-economy-introduction...
5. www.ignouhelp.in/ignou-mec-study-material
6. study.com/academy/lesson/what-is-economic...
7. www.ignoustudentzone.in/ignou-ma-economics-study...
8. www.gigapromo.in/Compare-Now/Economics Study Material
9. www.amazon.in/Books/Development Economics
10. www.answerroot.com/Economics studies/Save your time

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	S	S	S	M	S	M	S	M	M
CO2	M	S	S	M	S	S	M	S	S	M
CO3	S	S	M	M	M	M	S	S	M	S
CO4	S	M	M	S	S	M	S	M	S	M
CO5	S	S	S	M	M	S	S	M	M	S

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

NON-MAJOR ELECTIVE

PAPER - 2

FUNDAMENTALS OF ECONOMICS -II

Course Objectives

1. This course is designed to make the undergraduate students of other disciplines aware of the basic ideas and concepts in economics.
2. To make students understand economic ideas and its implications in real time life situation

Course Outcomes:

1. After studied unit-1, the student will be able to understand the concept of public finance.
2. After studied unit-2, the student will be able to acquire Knowledge on the functions of Reserve Bank.
3. After studied unit-3, the student will be able to understand concept of inflation.
4. After studied unit-4, the student will be able to gain knowledge on deflation.
5. After studied unit-5, the student will be able to gain knowledge on international trade

Matching Table (Put Yes / No in the appropriate box)

Unit	I. Remembering	ii.Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	No	No	No	No
4	No	Yes	Yes	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: Public Finance**(06 Hours)**

Meaning - Definition - Scope of Public Finance - Public Revenue - Public Expenditure - Causes of increasing Public Expenditure in India.

UNIT-II: Reserve Bank of India**(06 Hours)**

Origin of Reserve Bank of India - Functions of Reserve Bank of India - Monetary Policy - Control of Credit - Relationship Between RBI and Commercial Banks.

UNIT-III: Inflation**(06 Hours)**

Meaning - Definition - Types - Causes and Effects of Inflation - Controlling Measures - Inflationary Gap.

UNIT - IV: Deflation**(06****Hours)**

Deflation - Effects of Deflation - Trade Cycle - Role of Monetary Policy and Fiscal Policy in Inflation and Deflation Period

UNIT-V: International Trade**(06 Hours)**

Meaning - Definition - Difference between Internal and External Trade - Balance of Payment - Methods of Correcting unfavourable BOP - Functions of WTO, IMF.

Text Books:

Unit-I: M.L.Jhingan, Fundamental Economics Vrinda Publication Pvt. Ltd., Delhi 2012.

Unit-II: M.L.Jhingan, Fundamental Economics Vrinda Publication Pvt. Ltd., Delhi 2012.

Unit-III: M.L.Jhingan, Fundamental Economics Vrinda Publication Pvt. Ltd., Delhi 2012.

Unit-IV: M.L.Jhingan, Fundamental Economics Vrinda Publication Pvt. Ltd., Delhi 2012.

Unit-V: M.L.Jhingan, Fundamental Economics Vrinda Publication Pvt. Ltd., Delhi 2012.

Reference Books:

1. [Serkan Gürlük](#), Fundamental of Economics, Dora Publishing – Turkey, [Uludag University](#), ISBN: 978-605-247-137-1, October 2019.
2. [William Boyes](#), [Michael Melvin](#), Fundamentals of Economics, 5th Ed, illustrated, Cengage Learning, 2011.
3. [William J Boyes](#); [Michael Melvin, \(Economist\)](#), Fundamentals of economics, Mason, Ohio: South-Western Cengage Learning, 2014.
4. M.L.Jhingan, Principles of Economics, Vrinda Publication Pvt. Ltd., Delhi, Latest Edition 2012.
5. Gopal K.Puri, Economics for Civil Services (IAS), IIMS Publication, New Delhi, Latest Edition, 2018.
6. A.N.Agrawal, Indian Economy, Vikas Publishing House, Latest Edition, 2019.
7. H.L.Ahuja, Advanced Economic Theory, Sultan Chand & Sons New Delhi, Latest Edition, 2017.

E - Resources

1. byjus.com/commerce/introduction-to-economics...
2. www.examrace.com/Study-Material/Economics
3. www.clearias.com/economics
4. www.thoughtco.com/economics-for-beginners-
5. www.clearias.com/ias-study-materials
6. www.clearias.com/basic-concepts-of-economics...
7. en.wikipedia.org/wiki/Economics
8. www.freebookcentre.net/Business/Economics-Books.html
9. [in.downloadsearch.cnet.com/Learning economics online free/Answers](http://in.downloadsearch.cnet.com/Learning_economics_online_free/Answers)
10. [www.homeandgardenideas.com/Basic of economics/](http://www.homeandgardenideas.com/Basic_of_economics/)

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	S	M	S	M	M
CO2	S	S	S	S	M	M	S	S	M	M
CO3	S	M	M	M	S	S	M	M	S	S
CO4	M	S	S	S	M	M	S	S	M	M
CO5	M	S	S	S	S	M	M	S	S	S

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

SEMESTER V

CORE PAPER - 9

MACRO ECONOMICS -1

Course Objectives

1. Purpose of this course is to familiarize the students with the generally accepted principles of macroeconomics.
2. Improving the awareness on consumption and investment function.
3. Explore the employment theory with reference to present day conditions.
4. To understand the inter dependability between consumption, savings and investment functions.
5. To make them capable to estimate equilibrium level of income and other related variables from hypothetical situations.
6. To equip students to compute National Income from a hypothetical situation.

Course Out Comes

1. After studied unit-1, the student will be able to understand the Nature concepts of National Income and Methods of Measuring National Income.
2. After studied unit-2, the student will be able to appreciate different theories of Employment
3. After studied unit-3, the student will be able to analyses the theories of consumption function
4. After studied unit-4, the student will be able to acquire the knowledge about the Investment function
5. After studied unit-5, the student will be able to critically evaluate General Equilibrium Analysis

Matching Table (Put Yes / No in the appropriate box)

Unit	I. Remembering	ii.Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	No	No	No	No
4	No	Yes	No	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT - I: Introduction

(18 Hours)

Meaning - Nature and Scope - Importance - Circular flow of Income in Two, Three and Four Sector Economy - National Income Analysis - Concepts - Methods of Measuring National Income and Difficulties to Measuring of National Income.

UNIT - II: Theory of Employment

(18 Hours)

Classical Theory - Wages and Employment – J.B.Say's Law of Market - Keynesian Theory of Employment - Principal of Effective Demand Aggregate Demand - Aggregate Supply Function.

UNIT - III: Consumption Function

(18 Hours)

Keynes Psychological Law of Consumption Function - Concepts - Technical Attributes of the Law - APC, APS, MPC AND MPS - Factors determining consumption Function - Measures to Raise the Consumption Function - Consumption Theories: Absolute, Relative, Permanent and Life Cycle Hypothesis.

UNIT - IV: Investment Function

(18 Hours)

Meaning - Definition - Types of Investment - Determinants of the Level of Investment - Marginal Efficiency of Capital and Rate of Interest - Factors affecting MEC - Relationship between MEC and MEI.

UNIT - V: General Equilibrium Analysis

(18 Hours)

Meaning - Assumption - Goods Market Equilibrium - Derivation of IS Curve - Slope of IS curve - Disequilibrium of Goods Market - Money Market Equilibrium Derivation of LM Curve - Slope of LM Curve - Disequilibrium of Money Market - General Equilibrium.

Text Books

Unit- I: M.L.Jhingan, Macro Economic Theory, Vrinda Publications Private Limited 12th edition 2014.

Unit- II:S.Sankaran, Macro Economic Theory, , Margham Publications Sulthan Chand ,2016.

Unit-III:S.Sankaran, Macro Economic Theory, Margham Publications Sulthan Chand, 2016.

Unit-IV: S.Sankaran, Macro Economic Theory, Margham Publications Sulthan Chand, 2016.

Unit- V:S.Sankaran, Macro Economic Theory Margham Publications Sulthan Chand ,2016.

Reference Books:

1. M.L Jhingan, Macro Economic Theory, Vrinda Publications P.Ltd. 12th Edition 2014.
2. S. Sankaran, Macro Economics, Margham Publications, 21st Edition 2016.
3. Ahuja H.L, Macro Economics Theory and Policy S.Chand, 20th Edition 2016.
4. Shapiro E, Macro Economic Analysis, Galgotia Publications Pvt Ltd, 5th Edition 2001
5. Vaish M.C, Macro Economics Theory, Vikas Publishing, 14th Edition 2010.
6. Amit Bhaduri, Macro Economics , Palgrave Macmillan, 1st Edition 1986.
7. Romer D.L, Advanced Macroeconomics, McGraw Hill Higher Education, 2nd Edition 2001.

E- Materials

1. freebookcentre.net/.../Macro-Economics-I-Study-Material.html
2. www.studydhaba.com/introductory-macro-economics...
3. en.wikipedia.org/wiki/Macroeconomics
4. www.investopedia.com/terms/m/macroeconomics.asp

5. economictimes.indiatimes.com/.../macroeconomics
6. www.businessdictionary.com/definition/macroeconomics.html
7. www.merriam-webster.com/dictionary/macroeconomic
8. www.tutorialspoint.com/.../macroeconomics_basics.htm
9. www.learncbse.in/cbse-notes-class-12-macro-economics
10. in.zapmetasearch.com/Macroeconomics Book/

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	M	S	S	S	M	M
CO2	S	S	M	M	S	S	M	M	S	M
CO3	M	S	S	S	M	M	S	S	M	S
CO4	M	S	S	S	S	M	M	S	S	M
CO5	S	M	S	S	M	S	S	M	M	S

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

CORE PAPER - 10

FISCAL ECONOMICS - I

Course Objectives

1. To make students understand how prudent fiscal policy can develop economic growth.
2. To motivate students to become inquisitive in the core functions of our government.
3. This paper will enable the students to gain deeper and wider knowledge of the Indian Fiscal Tools and policies as well as tax structure and reforms.

4. To understand the impact of public debt and its consequences.
5. To learn about public revenue and public expenditure policies.
6. To understand in depth on theories of taxation.

Course Outcomes:

1. After studied unit-1, the student will be able to understand the scope of public finance.
2. After studied unit-2, the student will be able to acquire Knowledge on the sources of public revenue.
3. After studied unit-3, the student will be able to understand the theories of taxation.
4. After studied unit-4, the student will be able to gain knowledge on the canons of public expenditure.
5. After studied unit-5, the student will be able to gain knowledge of sources, effects and redemption of public debt.

Matching Table (Put Yes / No in the appropriate box)

Unit	I. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	No	No	No	No
4	No	Yes	Yes	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: SCOPE OF PUBLIC FINANCE

(18 Hours)

Meaning - Definition - Nature and Scope of Public Finance -Importance - Subject matter of Public Finance - Distinction between Private and Public finance - Theory of Maximum Social Advantage - Functions of Government activity.

UNIT-II: Public Revenue

(18 Hours)

Meaning - Definition - Sources and main heads - Tax and Non-Tax Revenue - Canons of Taxation - Types of Tax - Direct and Indirect Taxes: Income Tax, Expenditure Tax, Property Tax, Estate Duty, Capital Gain Tax - Land Revenue, Agricultural Income Tax, Corporation Income Tax, Customs Duties, Excise Duties, Education cess, Goods and Service Tax - Effects of Taxations - Merits and Demerits of Direct and Indirect Taxes.

UNIT-III: Theories of Taxation

(18 Hours)

Theories of Taxation - Factors Determining Taxable Capacity - Absolute and Relative Taxable Capacity - Factor determining Taxable Capacity - Limits to Taxable Capacity- Shifting and Incidence of Taxes - Distinction Between Impact and Incidence - Factors Affecting Incidence of Taxation - Tax Evasion.

UNIT-IV: Public Expenditure

(18 Hours)

Meaning - Definition - Main heads of public expenditure - Scope of Public Expenditure - Classification - Canons of Public Expenditure - Effect of public expenditure - Growth of public expenditure Effects of Public Expenditure on Economic Growth.

UNIT-V: Public Debt

(18 Hours)

Meaning - Definition- Classification of Public Debt - Need for Public Borrowing - Sources of Public Debt - Effects of Public Debt - Burden of Public Debt - Trends in Public Debt of India - Redemption of Public Debt - Methods of Repayment of Public Debt.

Text Books:

Unit-I: Dr.B.P.Tyagi Fiscal Economics-1 Jai Prakash Nath & Co., Meerut Latest Edition
2018

Unit-II: Dr.B.P.Tyagi Fiscal Economics-1 Jai Prakash Nath & Co., Meerut Latest Edition 2018

Unit-III: Dr.B.P.Tyagi Fiscal Economics-1 Jai Prakash Nath & Co., Meerut Latest Edition 2018

Unit-IV: Dr.B.P.Tyagi Fiscal Economics-1 Jai Prakash Nath & Co., Meerut Latest Edition 2018

Unit-V: Dr.B.P.Tyagi Fiscal Economics-1 Jai Prakash Nath & Co., Meerut Latest Edition 2018

REFERENCE BOOKS:

1. Dr.B.P.Tyagi, Public Finance, Jai Prakash Nath & Co., Meerut, Latest Edition, 2018.
2. T.N.Hajela, Public Finance, Ane Books Pvt. Ltd., Delhi, Latest Edition, 2017.
3. D. K. Srivastava, U. Sankar, Development and Public Finance Chelliah Sage Publications Pvt. Ltd; 1st edition (7 March 2012).
4. Richard Abel Musgrave, Peggy B. MusgravePublished December 1st 1989 by McGraw-Hill Companies (first published August 1973).
5. U.K.Hicks, Public Finance, James Nisbet & Co. / Cambridge University Press
6. H.L. Bhatai, Indian Public Finance, George Allen & Unwin Ltd.; First Wraps edition (January 1, 1962)

E - Resources

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2. en.wikipedia.org/wiki/Fiscal_policy
3. www.yourarticlelibrary.com/economics/fiscal-policy...
4. www.economicshelp.org/.../fiscal_policy
5. www.britannica.com/topic/fiscal-policy
6. www.economicdiscussion.net/fiscal-policy/role-of-fiscal...
7. www.investopedia.com/terms/f/fiscaldeficit.asp
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9. www.economicdiscussion.net/fiscal-policy/top-8...
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Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	M	M	M	S	M
CO2	M	S	S	S	M	M	S	S	M	M
CO3	S	S	M	S	M	S	S	S	S	S
CO4	S	S	M	M	S	M	M	S	M	S
CO5	S	M	S	S	S	S	M	M	S	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

CORE PAPER - 11

MANAGERIAL ECONOMICS

Course Objectives

1. The main objective of this paper is to apply in business decision making, demand forecasting and pricing methods.
2. The students understand the role and responsibilities of Managerial Economist.
3. The students Acquires the knowledge of the Demand forecasting and methods of Forecasting.
4. Gains knowledge of different methods of pricing for a product.
5. Understands Profit Theories and Break-even analysis.
6. The student understands the meaning of Capital Budgeting and Methods of appraising Project profitability.

Course Out Comes

1. After studied unit-1, the student will be able to understand the concept of Managerial Economics, Role of Managerial Economist and Decision-making process.

2. After studied unit-2, the student will be able to acquire Knowledge of Demand forecasting and Demand Forecasting methods.
3. After studied unit-3, the student will be able to gain knowledge of the different methods of fixing price.
4. After studied unit-4, the student will be able to gain knowledge on Profit Theories and Break - even analysis.
5. After studied unit-5, the student will be able to gain knowledge of Capital Budgeting and different methods of appraising project profitability.

Matching Table (Put Yes / No in the appropriate box)

Unit	I. Remembering	ii.Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	No	No	No	No
3	Yes	Yes	Yes	No	No	No
4	No	Yes	No	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Introduction

(18 Hours)

Managerial Economics-Meaning- Definition- Characteristics-Nature and Scope of Managerial Economics - Distinguish Managerial Economics from General Economics - Relationship of Managerial Economics with other subjects - Statistics, Mathematics, Accounting -Uses of Managerial Economics - Role of Managerial Economist - Responsibilities of a Managerial Economist- Decision making process-Social Responsibility of Business.

UNIT-II: Demand Forecasting**(18 Hours)**

Demand Forecasting - Meaning - Purpose (objectives) of Demand Forecasting -Types of Forecasting - Methods of Demand Forecasting - Methods of Forecasting Demand for new products - Criteria for good forecasting.

UNIT-III: Pricing Methods**(18 Hours)**

Price-Meaning-Pricing Methods -Cost -oriented methods-Full cost Pricing-Target pricing, Marginal cost pricing -Competition oriented Methods-Going rate pricing - Customary Pricing-Pricing a new product -Skimming Price-Penetration Price-Pricing over the life cycle of a product - Product line pricing - Mark up and Mark down pricing by retailers - Resale price maintenance - Dual pricing.

UNIT-IV: Profit**(18 Hours)**

Profit - Meaning-Functions of Profit - Accounting profit and Economic profit - Theories of profit - Hawley's Risk Theory - Knight's Uncertainty bearing Theory -Clark's Dynamic theory - Schumpeter's Innovation theory - Break -Even analysis - Managerial uses of Break - Even analysis.

UNIT-V: Capital Budgeting**(18 Hours)**

Capital Budgeting- Meaning- Need for Capital Budgeting -Nature of Capital Budgeting- Forms of capital Budgeting - Project Profitability-Meaning Methods of Appraising project Profitability-Pay-back method-Accounting Rate of Return-Internal Rate of Return -Net Present value index method.

Text Books

Unit-I:R.L.Varshney&K.L.Maheshwari, Managerial Economics,Sultan Chand and Sons,New Delhi.

Unit-II:R.L.Varshney&K.L.Maheshwari, Managerial Economics,Sultan Chand and Sons,New Delhi.

Unit-III:R.L.Varshney&K.L.Maheshwari, Managerial Economics,Sultan Chand and Sons,New Delhi.

Unit-IV:R.L.Varshney&K.L.Maheshwari, Managerial Economics,Sultan Chand and Sons,New Delhi.

Unit-V:R.L.Varshney&K.L.Maheshwari, Managerial Economics,Sultan Chand and Sons,New Delhi.

Reference Books:

1. Mote; Samuel Paul and G.S.Gupta, Managerial Economics, Concepts & Cases, Tata McGraw Hill.
2. Cauvery. , Managerial Economics, S. Chand & Co. New Delhi.
3. H.L.Ahuja, Managerial Economics,S Chand and Co ltd,NewDelhi.Sankaran,. S, Managerial Economics, Margham Publication.
4. Ezra. J. Mishen, Economic Myths & Mythology of Economics (Wheatsneaf Books Ltd., Great Britain, 1986.
5. Hall, R. L. & Hitch, C. J., Price Theory and Business Behaviour (Oxford Economic Paper, 1939.
6. Baumol, William, J., Economic Thory and operation (George Allen & Uniwin Ltd., London).
7. D. Amarchand, Government and Business (McGraw Hill Pub Co, Ltd.)
8. W. Duncan Reekie and Jonathan, N. Crook, Managerial Economics (Heritage Publishers, New Delhi).
9. R. P. Mehewwari and A.N. Gupta, Business, Government and Society (Vikas, New Delhi).
10. Eugene F Brigham and James, I., Managerial Economics (The Drydon Press).

E - Resources

1. www.tutorialspoint.com/managerial_economics/...
2. www.yourarticlelibrary.com/managerial-economics/...
3. economicsconcepts.com/managerial_economics.htm
4. www.tutorialspoint.com/managerial_economics/...
5. www.economicsdiscussion.net/managerial-economics/notes...
6. www.simplynotes.in/managerial-economics/characteristics...

7. www.managerial-economics-club.com/managerial...
8. www.ebookphp.com/managerial-economics-epub-pdf
9. www.simplynotes.in/importance-managerial-economics
10. www.scholarpol.com/nature-and-scope-of-managerial-economics

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	M	M	M	S	M
CO2	M	S	S	S	M	M	S	S	M	M
CO3	S	S	M	S	M	S	S	S	S	S
CO4	S	S	M	M	S	M	M	S	M	S
CO5	S	M	S	S	S	S	M	M	S	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

CORE PAPER - 12

INDUSTRIAL ECONOMICS -1

Course Objectives

1. To enable the students to understand the importance of Industrial Economics.
2. To help the students to understand the Theories of industry.
3. To gain knowledge of the Market structure.
4. To gain knowledge of the Market performance of the firm.
5. To understand how products are differentiated, innovation and profitability.
6. To acquire knowledge about Industrial finance.

Course Out Comes

1. After studied unit-1, the student will be able understand the Nature and Scope of Industrial economics and role of public & private sectors.
2. After studied unit-2, the student will be able to acquire knowledge of the theories of Industries
3. After studied unit-3, the student will be able to understand the Organization of a Firm, Ownership, control and objectives of a Firm.
4. After studied unit-4, the student will be able to acquire knowledge of the firm, productive Efficiency, capacity utilization, profitability and innovation.
5. After studied unit-5, the student will be able to acquire knowledge of Industrial Finance, Assessment of financial soundness.

Matching Table (Put Yes / No in the appropriate box)

Unit	I. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	No	No	No	No
4	No	Yes	Yes	No	No	No
5	Yes	Yes	No	No	No	No

UNIT-I: Framework of Industrial Economics

(18 Hours)

Nature and Scope of Industrial Economics - Meaning of Industrialization - Role of Industry in Economic Development - Role of Public and Private Sectors.

UNIT-II: Theories of Industries

(18 Hours)

Theories of Industries: Hoffmann, Chenery and Gerschenkron - Theories of Industrial Location: - Weber's theory of industrial location - Sargant's Florence's Theory of Location - Factors affecting Location.

UNIT-III: Market Structure (18 Hours)

Concept and Organization of a Firm - Ownership Control and Objectives of a Firm - Market Structure - Seller's Concentration - Product Differentiation and Entry Conditions.

UNIT-IV: Market Performance (18 Hours)

Growth of a Firm - Size and Growth of a Firm - Growth and Profitability of a Firm - Constraints on Growth - Productivity - Efficiency - Capacity Utilization - Profitability and Innovation.

UNIT - V: Industrial Finance (18 Hours)

External and Other Components of Funds - Financial Statement - Balance Sheets - Profit and Loss Account - Assessment of Financial Soundness.

TEXT BOOKS:

Unit - I: Singh A and A N Sadhu, Industrial Economics, Himalaya publishing House, New Delhi 2012

Unit - II: Singh A and A N Sadhu, Industrial Economics, Himalaya publishing House, New Delhi 2012

Unit - III: Singh A and A N Sadhu, Industrial Economics, Himalaya publishing House, New Delhi 2012

Unit - IV: Singh A and A N Sadhu, Industrial Economics, Himalaya publishing House, New Delhi 2012

Unit - V: Singh A and A N Sadhu, Industrial Economics, Himalaya publishing House, New Delhi 2012

Reference Books:

1. Ahluwalia I.J, Industrial Growth in India, Oxford University Press, New Delhi.
2. Barthwal R.R, Industrial Economics, Wiley Eastern Ltd, New Delhi.
3. Desai B, Industrial Economics in India (3rd Edition), Himalaya Publishing House.

4. Singh A and A N Sadhu, Industrial Economics, Himalaya publishing House, New Delhi 2012

E- Materials

1. encyclopedia2.thefreedictionary.com/Industrial...
2. dictionary.cambridge.org/.../industrial-economics
3. www.bth.se/.../industrial-economics-and-management
4. www.slideshare.net/atrimahesh/industrial-economics
5. en.wikipedia.org/wiki/Industrial_organization
6. books.google.co.in/books/about/Industrial...
7. www.jindec.org
8. www.kopykitab.com/Industrial-Economics-And...
9. www.nottingham.ac.uk/.../Industrial-Economics-BSc
10. london.ac.uk/courses/industrial-economics-ec3099

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	M	M	M	S	M
CO2	M	S	S	S	M	M	S	S	M	M
CO3	S	S	M	S	M	S	S	S	S	S
CO4	S	S	M	M	S	M	M	S	M	S
CO5	S	M	S	S	S	S	M	M	S	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

PAPER - 1

(to choose one out of 4)

1. ENVIRONMENTAL ECONOMICS – 1

Course Objectives

1. To enable the students to understand the importance of Environmental economics.
2. To help the students to understand the components and issues of Environmental economics.
3. To gain knowledge of the Natural resources and the conservation of resources.
4. To gain knowledge of the causes of Environmental pollution and measures to control Environmental pollution.
5. To understand how population causes Environmental problems.
6. To motivate the students to undertake environment friendly economic activities.

Course Out Comes

1. After studied unit-1, the student will be able understand the importance and issues of environmental economics.
2. After studied unit-2, the student will be able to acquire knowledge of Natural resources, its Depletion and methods of conservation.
3. After studied unit-3, the student will be able to understand the types of environmental pollution and methods to control pollution.
4. After studied unit-4, the student will be able to acquire knowledge of the Environmental Problems caused by population and how human health is affected.
5. After studied unit-5, the student will be able to acquire knowledge of welfare economics and under take environment friendly economic activities.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	Yes	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	Yes	No	No
4	No	Yes	No	No	No	No
5	Yes	Yes	Yes	Yes	No	No

(9hrs)

UNIT- I: Environmental Economics

Environmental Meaning - Definition - Importance - Service of Environment - Environmental and its Inter - Relationship with other Services - Economic and Environment - Nature and Scope of Environments - Components of the Environment - Important Issues of Environmental Economics.

(9hrs)

UNIT-II: Natural Resources

Natural Resources - Land - Water - Atmosphere - Energy - Forest - Wild Life - Causes for Depletion of the Resources - Conservation of Resources - Meaning and Methods of Conservation

(9hrs)

UNIT-III: Environmental Pollution

Meaning - Definition - Air Pollution - Water Pollution - Land Pollution - Marine Pollution - Noise Pollution - Implication of Human Health - Animal and Vegetation - Green House Effect - Measures of Control Pollution - Role of an individual in Prevention of Pollution.

(9hrs)

UNIT-IV: Population and Environmental Problems

Population and Environmental Problems - Trends in Global and National Population Levels - Consequences on Environmental Quality - Problems of Urbanization and Environmental Quality in India - Environment and Human Health.

(9hrs)

UNIT-V: Welfare Economics and Environmental Economics

Welfare Economics and Environmental Economics - Pareto Optimality - Cost Benefit Analysis - Private Cost - Social Cost - Pollution Cost - Pollution Control Cost -Evaluation of Environmental Benefit.

TEXT BOOKS:

Unit - I: M.Karpagam, Environmental Economics, Sterling Publication, New Delhi, Latest Edition, 2018

Unit - II: Katar Sing, Anil Shishodia, Environmental Economics Theory and Application, Sage Publication, New Delhi, Latest Edition, 2017

Unit - III: M.Karpagam, Environmental Economies, Sterling Publication, New Delhi, Latest Edition, 2018

Unit - IV: M.Karpagam, Environmental Economies, Sterling Publication, New Delhi, Latest Edition, 2018

Unit - V: M.Karpagam, Environmental Economies, Sterling Publication, New Delhi, Latest Edition, 2018.

Reference Books:

1. Sangar, U. (2012), Environmental Economies, Oxford University Press, New Delhi.
2. Sengupta & Ramprasad. (2017), Ecology and Economics, Oxford University Press, New Delhi.
3. Bhattacharya & Rabindra. (2011), Environmental Economies, Oxford University Press, New Delhi.

E- Materials

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2. en.wikipedia.org/wiki/Environmental_economics
3. www.britannica.com/topic/environmental-economics
4. www.yourarticlelibrary.com/economics/environmental...
5. www.sciencedirect.com/.../environmental-economics
6. www.epa.gov/environmental-economics
7. www.britannica.com/topic/environmental-economics/...
8. www.env-econ.net
9. www.rff.org/topics/environmental-economics
10. www.ebookphp.com/environmental-economics-6th...

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	M	S	M	S	M	M	M
CO2	S	M	M	S	M	M	M	M	M	M

CO3	S	S	M	M	M	S	M	S	M	M
CO4	M	M	S	S	M	M	S	M	M	M
CO5	S	S	M	S	M	M	M	S	M	M

PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER - 1

2. INTERNATIONAL TRADE - I

Course Objectives

1. To enable the students to understand the concepts of international trade.
2. To help the students to understand theories of international trade.
3. To understand the modern theories of international trade.
4. To gain knowledge of demand and supply of foreign exchange.
5. To acquire knowledge of exchange control and effects of exchange control.
6. To gain knowledge of International Monetary system.

Course Out Comes

1. After studied unit-1, the student will be able understand to basic concepts of International Trade and classical theories of International Trade.
2. After studied unit-2, the student will be able to acquire knowledge of Modern theories of International Trade.
3. After studied unit-3, the student will be able to understand the theories of exchange.
4. After studied unit-4, the student will be able to acquire knowledge of objectives of Exchange Control, Procedure of Exchange Control, Methods & effects of Exchange Control.
5. After studied unit-5, the student will be able to know the International monetary system and liquidity.

Matching Table (Put Yes / No in the appropriate box)

Unit	i.	ii.	iii.	iv.	v.	vi.
------	----	-----	------	-----	----	-----

	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	No	No	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT- I: Concept of International Trade and Classical Theories (9hrs)

Internal Trade - Meaning - Features - International Trade - Meaning - Features - Nature and importance of International Trade - Classical Theories of International Trade - Adam Smith Absolute Cost Advantage Theories - Ricardo Comparative Cost Theory.

UNIT-II: Modern Theories of International Trade (9hrs)

Heckscher-Ohlin Theories of International Trade - Haberler's Opportunity Cost Theory - Reciprocal Demand Curve - Marshall Edge Worth Offer Curves - J.S.Mill's Theories of Reciprocal Demand - Gain from International Trade.

UNIT-III: Theories of Exchange (9hrs)

Meaning - Definition - Mint Parity Theory - Purchasing Power Parity Theory -Fixed Exchange Theory - Case for Fixed Exchange Rate System - Flexible Exchange Rate - Demand and Supply of Foreign Exchange.

UNIT-IV: Exchange Control (9hrs)

Meaning - Definition - Objectives of Exchange Control - Procedure of Exchange Control - Methods of Exchange Control – Effects of Exchange Control.

UNIT-V: International Monetary System and Liquidity (9hrs)

International Monetary System and Liquidity - IMF - IBRD, ADB, IFC - International Capital Flows - FDI, GATT and WTO - Functions - TRIPS and TRIMS GATS (General Agreement on Trade in service) UNCTAD, UNIDO, ITC.

REFERENCE BOOKS:

1. S.Sankaran., International Economics, Margham Publication, Chennai, 2017.
2. M.L.Jhingan., International Economics, Vrindha Publication, New Delhi, 2018
3. D.Mithani., International Economics, Himalaya Publication, Mumbai, 2017

E- Materials

1. en.wikipedia.org/wiki/International_trade
2. www.investopedia.com/.../what-is-international-trade
3. www.britannica.com/topic/international-trade
4. www.businessdictionary.com/.../international-trade.html
5. www.thebalance.com/international-trade-pros-cons...
6. www.yourarticlelibrary.com/international-trade/...
7. www.econlib.org/library/Enc/InternationalTrade.html
8. www.india.gov.in/international-trade-agreement
9. www.theguardian.com/business/internationaltrade
10. www.slideshare.net/mathel101/international-trade...

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	M	M	M	S	M	S	M	M	M
CO2	M	S	M	S	M	S	M	M	M	M
CO3	M	M	S	M	S	S	M	M	M	M
CO4	M	M	M	S	M	M	S	S	M	M
CO5	M	S	S	M	M	S	M	M	M	M

INTERNAL ELECTIVE

PAPER - 1

6. INDUSTRIAL ORGANISATION-1

Course Objectives:

1. Providing a foundation to study many other fields regarding industrial organization.

2. To elaborate the aspects of scientific management.
3. To explain capital structure and size of the organization.
4. To introduce the theories of location for suitability of place selection.
5. To learn about production management.

Course Outcomes:

1. After studied unit-1, the student will be able to get introduced to industrial organizations.
2. After studied unit-2, the student will be able to gain knowledge on the features of scientific management.
3. After studied unit-3, the student will be able to understand the various forms of capitalization and its structure.
4. After studied unit-4, the student will be able to understand the layout procedures for an organization.
5. After studied unit-5, the student will be able to get acquainted to production management techniques.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	No	No	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

(9hrs)

UNIT - I: Introduction

Industrial Management - Principles of organization - Organizational Process - Delegation - Decentralization forms of Internal Organization - Industrial Productivity and efficiency.

(9hrs)

UNIT - II: Scientific Management

Scientific Management - Objectives of Scientific Management - Principles - Standardization - Scientific Management Used Today - Limitation of Scientific Management - Rationalization - Automation.

(9hrs)

UNIT- III: Capital Structure

Capital structure - Meaning - Definition - Importance - Over Capitalization - Under-capitalization - Trading on Equity - Watered Capital.

(9hrs)

UNIT-IV: Theories of Location

Theories of Location - Meaning - Definition - Factors of Industrial Location - Government Policies - Layout Measuring - Plant - Process.

(9hrs)

UNIT-V: Production Management

Production Management - Meaning - Definition - Nature of Production Management- Objectives Production Management - Types of Production Management - Scope of Production Management - Planning Control - Quality Control - Inspection.

Text Books:

Unit I: Donald A.Hay & Derek J.Morris, Industrial Economics: Theory and Evidence - Oxford Press New Delhi 2015

Unit II: Kanka, S.S.,OrganisationalBehaviour, S.Chand& Co., New Delhi,2016

Unit III: Sivayya, K.V., Indian Industrial Economy, S.Chand&Co.,New Delhi 2017.

Unit IV: Kanka, S.S.,Organisational Behaviour, S.Chand& Co., New Delhi,2016

Unit V: Kanka, S.S.,Organisational Behaviour, S.Chand& Co., New Delhi,2016

Reference Books:

1. Donald A.Hay& Derek J.Morris, Industrial Economics : Theory and Evidence - Oxford Press New, Delhi 2015.

2. Kanka, S.S., Organisational Behaviour, S.Chand & Co., New Delhi, 2016.
3. Sivayya, K.V., Indian Industrial Economy, S.Chand & Co., New Delhi 2017.

E- Materials

1. en.wikipedia.org/wiki/Industrial_organization
2. www.investopedia.com/.../industrial-organization.asp
3. www.coursera.org/learn/industrial-organization
4. policonomics.com/industrial-organization
5. mitpress.mit.edu/.../theory-industrial-organization
6. cepr.org/content/industrial-organization
7. www.verywellmind.com/industrial-organizational...
8. careersinpsychology.org/becoming-an-industrial-or
9. programsandcourses.anu.edu.au/2020/course/ECON8038
10. www.coalitiontheory.net/.../industrial-organisation

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	M	M	M	S	M	S	M	M	M
CO2	M	S	M	S	M	S	M	M	M	M
CO3	M	M	S	M	S	S	M	M	M	M
CO4	M	M	M	S	M	M	S	S	M	M
CO5	M	S	S	M	M	S	M	M	M	M

PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER - 1

7. ECONOMICS OF CAPITAL MARKET AND DIGITAL ECONOMY

Course Objective

1. To provide students an academic base about stock market theories and practices.
2. To learn about the basic characteristics and functions of stock market.
3. To explain the functioning of capital market.
4. To understand the importance digital economy.
5. To analyse the strength and weakness of digital economy.
6. To encourage students to be part of digital economy.

Course Outcomes

1. After studied unit-1, the student will be able to understand the term capital markets and its structure.
2. After studied unit-2, the student will be able to gain knowledge on financial institutions and mutual funds.
3. After studied unit-3, the student will be able to become familiar with shares and debentures.
4. After studied unit-4, the student will be able to understand the functions of stock exchange and SEBI.
5. After studied unit-5, the student will be able to get knowledge on the digital transactions.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	Yes	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	No	No	No

(9hrs)

UNIT-I: Capital Market

Capital Market - Definition - Growth - Tasks - Structure - Role of Commercial Banks.

(9hrs)

UNIT-II: Financial Institutions

Short Term and Long-Term Finance - Interest Free Financial Products and its sources - Financial Institutions - LIC - UTI - IDBI - IFCI - ICICI - Public Deposit - Corporate ploughing back of profits - Mutual Funds - open ended and close ended mutual funds.

(9hrs)

UNIT-III: Shares and Debentures

Corporate securities - Equity Shares - Preference Shares - Debentures and bonds - convertible and non-convertible debentures - fully and partly convertible debentures - Global depository receipts.

(9hrs)

UNIT-IV: Stock Exchange

Stock exchanges - functions services - Listing of securities - Dealers in stock exchanges - Role of Securities and Exchange Board of India (SEBI) in regulating the share market - Demat Account - Opening and Operation - Digital transactions.

(9hrs)

UNIT-V: Primary and Secondary Market

Public Issue of Shares - Primary Market and Secondary Market - Issue of Shares at par and at premium - Right issue of shares - Issue of bonus shares - underwriting of shares - Merchant banks - Foreign Institutional Investors.

Reference Books:

1. Mahesh Dr.Kulkarni , Capital Market and Financial Services, NiraliPrakashan 2014.
2. Rajesh Chakrabarti, Capital Markets in India, Sage Publisher.
3. Gurusamy, S. Capital Markets, Tata McGraw-Hill Education India 2nd edition.

4. Deepak R.Raste, Capital Market in India-Reforms and Regulations, Ingram Short title, 2011
5. Asheesh Pandey, Capital Market and Financial System in India,

E - Materials:

1. accountlearning.com/role-and-importance- of Capital Market.
2. www.capitalmarket.com/News/Economy-News/Global...
3. download.asic.gov.au/media/...of-capital-markets-20151709...
4. www.accenture.com/us-en/insights/capital-markets/...
5. www.proshareng.com/news/Capital-Market/The-Role...
6. www.toppr.com/.../financial-markets/capital-market
7. www.clearias.com/financial-market-money-market...
8. www.regulationtomorrow.com/eu/the-future-of...
9. www.capitalmarket.com/News/Economy-News/Need-To...
10. www.oecd.org/corporate/capital-markets

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	M	M	S	M	S	M	M	M
CO2	M	S	M	M	M	S	M	S	M	M
CO3	S	M	M	S	M	M	S	M	M	M
CO4	S	M	S	M	M	S	M	S	M	M
CO5	M	M	S	S	M	M	S	M	M	M

PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low (may be avoided)

SKILL BASED SUBJECT

PAPER - 3
INTRODUCTION TO RESEARCH METHODOLOGY

Course Objectives:

1. To understand research terminology.
2. To make students capable of designing an elementary research project.
3. To make student competent in quantitative assessment and analysis of economic variables.
4. To make students proficient in organizing economic survey.
5. Critically analyse published research.
6. Identify the components of a literature review process.

Course Outcomes

1. After studied unit-1, the student will be able to understand the significance of research.
2. After studied unit-2, the student will be able to acquire the knowledge of qualities of good research.
3. After studied unit-3, the student will be able to gain knowledge about the methods of research.
4. After studied unit-4, the student will be able to identify research problem.
5. After studied unit-5, the student will be able to understand the methods of collection of data.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	Yes	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	Yes	No	No

(9hrs)

UNIT-I: Research Introduction

Meaning - Definition - Objectives - Characteristics - Classification - Types: Historical - Descriptive - Comparative - Exploratory - Pure - Applied - Operation - Significance of Research.

(9hrs)

UNIT-II: Research Process

Meaning - Definition - Steps in Research Process: Formulating - Literature Survey - Research Design - Sample Design - Collecting the Data - Analyses - Interpretation - Preparation of the Report - Criteria of Good Research - Quality of Good Research.

(9hrs)

UNIT-III: Researcher and Research Methods

Meaning of Researcher - Definition - Research in Social Science - Objectives of Social Science Research - Functions of Research - Scientific Method - Logical Method - Induction - Deduction - Problem of the Researcher in India.

(9hrs)

UNIT-IV: Research Problem and Research Design

Research Problem: Meaning - Definition - Conditions for Selecting the Problem - Identify a Research Problem - Components - Defining a Problem - Factors Influencing the Choice of Research Problem - Research Design: Meaning - Definition - Need for Research Design - Concept

(9hrs)

UNIT-V: Collection of Data

Sources of Data - Primary data - Secondary Data - Interview Method - Personal Interview - Indirect Oral Investigation - Questionnaire Method - Sampling Method - Random and Non-random Sampling.

Text Books:

Unit-I: K.S.Sonachalam Introduction of Research Methodology, Emperical Publishers, Chennai. 2004

Unit-II: S.C.Gupta Introduction of Research Methodology Himalaya Publication House, Mumbai. 2012

Unit-III: K.S.Sonachalam Introduction of Research Methodology, Emperical Publishers, Chennai. 2004

Unit-IV: S.C.Gupta Introduction of Research Methodology Himalaya Publication House, Mumbai. 2012

Unit-V: K.S.Sonachalam Introduction of Research Methodology, Emperical Publishers, Chennai. 2004

Reference Books:

1. Sonachalam, K.S. (2004), Research Methodology in Social Science, Emperical Publishers, Chennai.
2. Borse, M.N. (2004), Research Methodology Modern Method and New Technique, Shree Niwas Publication, Jaipure.
3. Gupta, S.C. (2012), Fundamentals of Statistics, Himalaya Publication House, Mumbai.

E - Resources

1. www.businessdictionary.com/.../research-methodology.html
2. bbamantra.com/research-methodology
3. encyclopedia2.thefreedictionary.com/Research...-
4. www.ihmgwalior.net/pdf/research_methodology.pdf
5. research-methodology.net/research-methodology/...
6. en.wikipedia.org/wiki/Methodology
7. www.wikihow.com/Write-Research-Methodology
8. [www2.hcmuaf.edu.vn/data/quoctuan/Research Methodology...](http://www2.hcmuaf.edu.vn/data/quoctuan/Research%20Methodology...)
9. explorable.com/research-methodology
10. research-methodology.net/research-methods

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	M	S	M	M	M	S	S	M	M
CO2	M	S	M	S	S	M	M	S	M	M
CO3	M	M	M	S	M	S	M	M	M	M
CO4	M	S	S	M	S	M	S	M	M	M

CO5	M	M	M	S	M	S	M	S	M	M
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PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low (may be avoided)

SEMESTER VI
CORE PAPER - 13
MACRO ECONOMICS II

Course Objectives

1. To enlarge the scope of understanding of Macro economics.
2. To learn technical aspects of Macro economics.
3. To understand the cause and effect of inflation and deflation.
4. To explain the concept of multiplier and accelerator.
5. To elaborate the possibilities and challenges in international trade.
6. To explain classical and Keynesian views on demand for money.

Course Out Comes

1. After studied unit-1, the student will be able to understand the concepts of Multiplier Accelerator principle and business cycles theory.
2. After studied unit-2, the student will be able to acquire the knowledge about the Demand for money in the Keynesian model and classical views.
3. After studied unit-3, the student will be able to gain knowledge about the inflation and deflation concepts towards economic development.
4. After studied unit-4, the student will be able to assess various policies to economic development
5. After studied unit-5, the student will be able to promote the knowledge to the students about the India's foreign trade.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

(18hrs)**UNIT - I: Multiplier**

Multiplier - Meaning - Definition - Investment Multiplier Vs Employment Multiplier - Assumption - Leakage of Multiplier - Accelerator - Multiplier and Interaction Principle (or) Super Multiplier - Modern Approaches to business Cycle theory by Hicks - Measures to control business cycles- Stabilisation Policies.

(18hrs)**UNIT - II: Demand for Money**

Money in the Keynesian Model - Demand for Money in the Keynesian Theory and Classical Views -Patinkin's Integration of Monetary theory and Value theory - Pigou Effect. Differences between Pigou Effect and Real Balance Effect - Post Keynesian Approaches.

(18hrs)**UNIT - III: Inflation and Deflation**

Meaning - Inflationary Gap - Demand Pull Vs Cost Push Inflation - Types of Inflation - The Phillips curve - Causes of Inflation - Measures to control Inflation - Effects of Inflation - Deflation comparison between inflation and Deflation - control of deflation.

(18hrs)**UNIT - IV: Macro Economic Policies**

Meaning - Policy Targets and Instruments - Objectives - Conflicts (or) Trade off in policy Objectives - Monetary Policy - Objective - instruments - Fiscal Policy - Objectives - instruments - Monetary and Fiscal Policies in LDCs - Keynesian Revolution and its applicable to less development countries.

(18hrs)

UNIT: V International Trade

Meaning - India's Foreign Trade - Value of Export and Import in the planning period - composition of foreign trade - growth and structure of India's foreign trade since 1991 - India's balance of payments - 'EXIM' Policy - Foreign Trade Policy (2015-2020).

Text Books

Unit-1: Macro Economic Theory, M.L.Jhingan, Vrinda Publications Private Limited 12th edition 2014.

Unit-2: Macro Economic Theory, S.Sankaran, Margham Publications Sulthan Chand , 2016.

Unit-3: Macro Economic Theory, S.Sankaran, Margham Publications Sulthan Chand 2016.

Unit-4: Macro Economic Theory, S.Sankaran, Margham Publications Sulthan Chand 2016.

Unit-5: Macro Economic Theory, S.Sankaran, Margham Publications Sulthan Chand 2016.

Reference Books:

1. Jhingan, M.L. (2014), Macro Economic Theory , Vrinda Publications P.Ltd.
2. Sankaran, S. (2016), Macro Economics, Margham Publications.
3. Ahuja H.L. (2016), Macro Economics Theory and Policy, S.Chand.
4. Shapiro, E. (2001), Macro Economics Analysis, Galgotia Publications Pvt Ltd.
5. Vaish, M.C. (2010), Macro Economics Theory, Vikas Publishing.
6. Amit Bhaduri. (1986), Macro Economics, Pargava Macmillan.
7. Romer, D.L. (2001), Advanced Macroeconomics, McGraw Hill Higher Education.

E- Materials

1. freebookcentre.net/.../Macro-Economics-I-Study-Material.html
2. www.studydhaba.com/introductory-macro-economics...
3. en.wikipedia.org/wiki/Macroeconomics
4. www.investopedia.com/terms/m/macroeconomics.asp

5. economictimes.indiatimes.com/.../macroeconomics
6. www.businessdictionary.com/definition/macroeconomics.html
7. www.merriam-webster.com/dictionary/macroeconomic
8. www.tutorialspoint.com/.../macroeconomics_basics.htm
9. www.learncbse.in/cbse-notes-class-12-macro-economics
10. [in.zapmetasearch.com/Macroeconomics Book/](http://in.zapmetasearch.com/Macroeconomics%20Book/)

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	S	M	M	S	M	M	S	M	M
CO2	M	S	S	S	M	S	M	M	M	M
CO3	M	M	S	M	M	M	S	M	M	M
CO4	M	M	M	S	S	M	M	S	M	M
CO5	M	M	S	M	M	S	M	M	M	M

PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low (may be avoided)

CORE PAPER - 14
FISCAL ECONOMICS – II

Course Objectives

1. To enlarge the knowledge fiscal economics further.
2. Explaining the causes of deficit financing.
3. To make aware of the similarities and dissimilarities between local and federal finance.
4. To shed more light on budget and their impact on micro and macro economics.
5. Effective learning of prudent fiscal policy.
6. To enlighten the fiscal policy frameworks.

Course Outcomes:

1. After studied unit-1, the student will be able to understand the principles of Budgeting.
2. After studied unit-2, the student will be able to acquire Knowledge on deficit financing in India.
3. After studied unit-3, the student will be able to understand the instruments of fiscal policy.
4. After studied unit-4, the student will be able to gain knowledge on federal finance.
5. After studied unit-5, the student will be able to gain knowledge of local bodies

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	Yes	No	No

(15hrs)

UNIT-I: Budget

Meaning - Definition - Objectives of Budgeting - Principles of Budgeting - Qualities of a Good Budget - Types of Budget: Balance Budget - Unbalanced Budget - Revenue and

Capital Budget - Zero-based budgeting - Canon of Budgeting - Performance Budgeting and Success of Performance Budgeting.

(15hrs)

UNIT-II: Deficit Financing

Meaning - Definition - Objectives - Ways and Means of Deficit Financing - Growth of Deficit Financing - Role of Deficit Financing in Promoting Economic Development - Deficit Financing in India.

(15hrs)

UNIT-III: Fiscal Policy

Meaning - Definition - objectives - Instruments of Fiscal Policy - Concept of Sound Finance and Functional Finance - Fiscal Policy and Price Stability - Fiscal Policy and Distribution - Role of Fiscal policy in India.

(15hrs)

UNIT-IV: Federal Finance

Meaning - Definition - Features of Federal Finance - Principles - Financial relations between the Centre and States in India - Methods of Adjustments - Finance Commission: 14th Finance Commission - Recommendations of 14th Finance Commissions.

(15hrs)

UNIT-V: Local Finance

Meaning - Definition - Functions of Local Bodies - Resources of Local Bodies - Taxes of Local Bodies - Problems of Local Finance.

Text Books:

Unit-I: Dr.B.P.Tyagi Fiscal Economics Jai Prakash Nath & Co., Meerut 2018

Unit-II : Dr.B.P.Tyagi Fiscal Economics Jai Prakash Nath & Co., Meerut 2018

Unit-III : Dr.B.P.Tyagi Fiscal Economics Jai Prakash Nath & Co., Meerut 2018

Unit-IV: Dr.B.P.Tyagi Fiscal Economics Jai Prakash Nath & Co., Meerut 2018

Unit-V :Dr.B.P.Tyagi Fiscal Economics Jai Prakash Nath & Co., Meerut 2018

Reference Books:

1. Tyagi, B.P. (2018), Public Finance, Jai Prakash Nath & Co., Meerut.
2. Hajela, T.N. (2017), Public Finance, Ane Books Pvt. Ltd., Delhi

E - Resources

1. www.investopedia.com/insights/what-is-fiscal-policy
2. en.wikipedia.org/wiki/Fiscal_policy
3. www.yourarticlelibrary.com/economics/fiscal-policy...
4. www.economicshelp.org/.../fiscal_policy
5. www.britannica.com/topic/fiscal-policy
6. www.economicsdiscussion.net/fiscal-policy/role-of-fiscal...
7. www.investopedia.com/terms/f/fiscaldeficit.asp
8. www.thebalance.com/what-is-fiscal-policy-types...
9. www.economicsdiscussion.net/fiscal-policy/top-8...
10. www.economicsdiscussion.net/fiscal-policy/5-major...

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	M	M	S	M	M
CO2	S	M	M	S	M	M	M	S	M	M
CO3	S	S	S	M	S	S	M	M	M	M
CO4	M	M	M	S	M	M	S	M	M	M
CO5	S	M	S	S	M	M	S	M	M	M

PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low (may be avoided)

CORE PAPER - 15
HISTORY OF ECONOMIC THOUGHT

Course Objectives

1. To learn and discuss how the economic thought has evolved over time.
2. To critically examine and compare the evolved economic thoughts.
3. To introduce the students to understand the broad concepts of various schools of the economic thought.
4. To encourage students to explore the Indian thoughts and their relevance.
5. To make students capable of distinguish between the main schools and trends in the history of economic thought.
6. To emphasis the point how 'welfare for all' is fulcrum of fair economics.

Course Out Comes

1. After studied unit-1, the student will be able to understand the contributions of Mercantilists and Physiocrats.
2. After studied unit-2, the student will be able to understand how Marxian Theories differ from Classical theories.
3. After studied unit-3, the student will be able to demonstrate the Contributions of Keynes to Economics
4. After studied unit-4, the student will be able to discuss the economic ideas of Welfare School
5. After studied unit-5, the student will be able to apply the economic ideas of different Indian Economic thinkers to Modern India.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	No	Yes	Yes	No	No
5	Yes	Yes	Yes	No	No	No

(15hrs)

UNIT - I: Introduction

Nature and importance- significance of Mercantilism: Role of the State - Role of Money - Rate of Interest - Balance of Trade - Population - Representation Mercantilists -Neo-Mercantilism- Meaning of Mercantilism for Underdeveloped Countries, Physiocrats: Factors of Physiocracy -Main Representatives of Physiocratic School- Meaning of Physiocracy for Underdeveloped Countries.

(15hrs)

UNIT - II: Classical Thoughts

Classical School, Adam Smith: Labour Theory of Value - Role of Government - Canons of Taxation, Alfred Marshall: Marshallian Theory of Value and Time Element - Marshall's Contribution of Monetary Economics, Karl Marx: Marxism System- Marxism and Classicism - Marxian Theory of Value - Marxian Theory of Surplus- Marxian as an Ideology.

(15hrs)

UNIT - III: Modern Thoughts

Keynes and Keynesian Revolution: Keynes and Classical Economics - Keynesian theory of Employment - Aggregate Demand - Aggregate Supply -Consumption Function - Investment Multiplier - Marginal Efficiency of Capital - Keynesian Revolution and its Impact - Post-Keynesian Economics - Critique of Keynesianism.

(15hrs)

UNIT - IV: Economic Ideas of Welfare School

Welfare Economics: Definition of Welfare Economics -A.C.Pigou: Economic ideas - New Welfare Economics - Concept of Social Welfare - Pareto - J.R.Hicks: Economic ideas of Hicks - Hick's compensation Principle, Nobel Laureates in Economics: James J.Heckman and Daniel L.McFadden (2000).

(15hrs)

UNIT - V: Indian Thoughts

Indian Economic Thought: R.C Dutt: Economic ideas of Dutt, Gandhian Economics: Relevance of Gandhian Economic Thought to Modern India, Agricultural Economics-

Economics of Caste -Economics of Socialism, D.R.Gadgil: Industrial Evolution of India - Industrial Labour- War and Economic Policy.

Text Books

Unit-I: V.Lokanathan , A History of Economic Thought, Sulthan Chand10th edition 2018

Unit-II: V.Lokanathan , A History of Economic Thought, Sulthan Chand10th edition 2018

Unit-III: V.Lokanathan , A History of Economic Thought, Sulthan Chand10th edition 2018

Unit-IV: V.Lokanathan , A History of Economic Thought, Sulthan Chand10th edition 2018

Unit-V: V.Lokanathan , A History of Economic Thought, SulthanChand10thedition 2018

Reference Books:

1. Lokanathan, V. (2018), A History of Economic Thought, S.Chand.
2. Sankaran. S. (2006), A History of Economic Thought, Margham Publications.
3. Ambedkar, B.R. (2017), History of Indian Currency and Banking, Kalpaz Publications.
4. Ambedkar, B.R. (2019), Problem of Rupee, SamyakPrakashan.
5. Paul, R.R. (2014), History of Economic Thought, Kalyani Publishers .

E- Materials

1. en.wikipedia.org/wiki/history-of-economic-thought
2. www.investopedia.com/.../08/economic-thought.asp
3. www.conted.ox.ac.uk/courses/history-of-economic...
4. www.ineteconomics.org/education/materials/...
5. www.plurale-oekonomik.de/.../Materialien/History.pdf
6. www.amazon.com/History-Economic-Thought-Lionel...
7. en.wikipedia.org/wiki/talk:-history-of-economic...
8. www.amazon.in/History-Economic-Thought-M-L...
9. www.homeandgardenideas.com/History of economics/Look no further
10. www.teoma.co.uk/History of economics/Look no furth

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	M	S	M	S	M	M	M

CO2	S	M	M	S	M	M	M	S	M	M
CO3	S	S	M	M	M	S	S	M	M	M
CO4	M	M	S	S	M	M	S	M	M	M
CO5	S	S	M	S	M	M	M	S	M	M

PO – Programme Outcome, CO – Course outcome, S – Strong, M – Medium, L – Low

INTERNAL ELECTIVE

PAPER -2

(to choose one out of 4)

1. ENVIRONMENTAL ECONOMICS – II

Course Objectives:

1. To understand the economics in energy production and consumption.
2. To understand various types of resources and the economics behind its consumption.
3. To bring awareness about environmental issues.
4. To introduce environmental protection Act.
5. To make students understand various environmental hazards.
6. To explain about global environmental issues and local environmental issues.

Course Out comes:

1. After studied unit-1, the student will be able to understand the energy production and consumption
2. After studied unit-2, the student will be able to acquire Knowledge on various types of resources and the economics behind its consumption
3. After studied unit-3, the student will be able to understand the environmental issues
4. After studied unit-4, the student will be able to gain knowledge on environmental protection Act.

5. After studied unit-5, the student will be able to gain knowledge about global environmental issues and local environmental issues.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	Yes	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT- I: Energy Economics

(9hrs)

Energy Sources - Renewable and Non-renewable energy - Sources of Energy - Changing Pattern of World Energy Consumption - Energy Scenario in India - Energy Policy and Environmental Quality.

UNIT-II: Resource Economics

(9hrs)

Classification of Resources - Forest Resources - Deforestation - Optimum Resource Use - Conservation of Natural Resources - Water Resources - Mineral Resources - Food Resources.

UNIT-III: Environmental Education

(9hrs)

Environmental Education: Solid Waste Management - Human Rights - Value Education - Environmental Awareness HIV / AIDS - Women and Child Welfare - Family Planning.

UNIT-IV: Law and Environmental Protection

(9hrs)

Environmental Protection - Environmental Policy (National & International) - Role of Official and Volunteers Agencies - National and State Control Board.

UNIT-V: Environmental Problems

(9hrs)

Environmental Problems in the Global - Critical Issues - Global Warming - Ozone Depletion - Acid Rain - Soil Erosion - Rain Water Harvesting - Problems of Environmental Quality in Developed Economies - Problems of Environmental Quality in Developing Economies - Nature of Environmental Problems in India.

TEXT BOOKS:

S.No	Title	Author	Publisher	Edition	Year
1	Environmental Economies	M.Karpagam	Sterling Publication, New Delhi	Latest Edition	2018
2	Environmental Economics Theory and Application	Katar Sing, Anil Shishodia	Sage Publication, New Delhi	Latest Edition	2017

Reference Books:

S.No	Title	Author	Publisher	Edition	Year
1	Environmental Economies	U.Sangar	Oxford University Press, New Delhi	Latest Edition	2012
2	Ecology and Economics	Sengupta and Ramprasad	Oxford University Press, New Delhi	Latest Edition	2017
3	Environmental Economies	Bhattacharya and Rabindra	Oxford University Press, New Delhi	Latest Edition	2011

MAPPING WITH PROGRAMME OUTCOMES

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	S	S	S	M	M	M	S	M	M
CO2	M	M	M	M	S	M	M	S	M	M
CO3	S	S	S	S	S	S	S	S	M	M
CO4	M	M	M	M	S	S	L	S	M	M
CO5	M	S	S	S	M	M	M	L	M	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE
PAPER -2
2. INTERNATIONAL TRADE - II

Course Objectives:

1. To introduce terms of trade and its impact on economic development.
2. To make students understand exchange rates and monetary policies by central bank.
- 3 To know in detail about Balance of trade and Balance of payment and their implications.
4. To make them understand cause and effect of international capital movement.
5. To introduce the argument for free trade and protectionism.
6. To discuss current global trade issues like China - US trade war.

Course Out comes:

1. After studied unit-1, the student will be able to understand the meaning of terms of trade and its implications.
2. After studied unit-2, the student will be able to acquire Knowledge on currency market issues.
3. After studied unit-3, the student will be able to understand the disequilibrium in the Balance of Payment.
4. After studied unit-4, the student will be able to gain knowledge on international capital movement.
5. After studied unit-5, the student will be able to gain knowledge on free trade vs protectionism

Matching Table (Put Yes / No in the appropriate box)

Unit	i.	ii.	iii.	iv.	v.	vi.
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	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	No	No	No

UNIT- I: Terms of Trade

(9hrs)

Trade - Meaning - Definition - Theory of Reciprocal Demand - Marshall Edgeworth Offer Curves - Critical Appraisal - Factors Affecting Terms of Trade - Effects of Term of Trade - Terms of Trade and Economic Development.

UNIT-II: Rate of Exchange

(9hrs)

Meaning - Definition - Changes in Exchange Rate - Speculation in currency Trading - Equilibrium Rate Exchange - Influences of Monetary and Fiscal Policy on Exchange Rate.

UNIT-III: Balance of Payment

(9hrs)

Meaning - Definition- Importance of Balance of Payment - Structure of Balance of Payment - Balance of Trade and Balance of Payment - Disequilibrium in the Balance of Payment - Kinds of Disequilibrium in the Balance of Payment Causes of Disequilibrium.

UNIT-IV: International Capital Movement

(9hrs)

Meaning - Definition - Classification of International Capital Movement - Factors Governing International Capital Movement - Role of International Capital Movement - Effects of International Capital Movement.

UNIT-V: Free Trade Vs Protection**(9hrs)**

Meaning - Definition - Economic Arguments for Protection - Non-economic Arguments for Protection - Role of Protection - Effects of Protection - Protection Devices.

Reference BOOKS:

- 1.S.Sankaran., Intrenational Economics, Marham Publication, Chennai, 2017.
- 2.M.L.Jhingan., International Economics, Vrindha Publication, New Delhi, 2018
- 3.D.Mithani., International Economics, Himalaya Publication, Mumbai, 9th Revised Edition, 2018.

E-Material

1. en.wikipedia.org/wiki/International_trade
2. www.investopedia.com/.../what-is-international-trade
3. www.britannica.com/topic/international-trade
4. www.businessdictionary.com/.../international-trade.html
5. www.thebalance.com/international-trade-pros-cons...
6. www.yourarticlelibrary.com/international-trade/...
7. www.econlib.org/library/Enc/InternationalTrade.html
8. www.india.gov.in/international-trade-agreement
9. www.theguardian.com/business/internationaltrade
10. www.slideshare.net/mathel101/international-trade...

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	S	M	M	S	M	S	S	M	M
CO2	M	M	M	S	S	M	S	M	M	M
CO3	M	S	S	S	M	S	M	M	M	M
CO4	S	M	M	M	S	M	M	S	M	M
CO5	M	L	M	M	L	M	S	M	M	M

PO – Programme Outcome, CO – Course outcome S – Strong , M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER -2

3. INDUSTRIAL ORGANISATION – II

Course Objectives:

1. To provide an elaborate study about various managements in industrial organization.
2. To understand the core value of material management for the survival of the organization.
3. To introduce personnel management procedures.
4. To understand labour legislations of state and central governments.

5. To understand the importance and functioning of sales management.
6. To understand controlling management like cost control and quality control.

Course Outcomes:

1. After studied unit-1, the student will be able to acquire knowledge about material management.
2. After studied unit-2, the student will be able to gain knowledge on the functions of personnel management.
3. After studied unit-3, the student will be able to understand about the implications of labour legislations.
4. After studied unit-4, the student will be able to understand the operational functions of sales management.
5. After studied unit-5, the student will be able to get knowledge on various aspects of controlling management and its requirements.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Materials Management

(9hrs)

Materials Management - Meaning - Definition -Character of Materials Management - Functions of Materials Management -Advantages of Materials Management - Storing - Inventory- Inventory Control.

UNIT-II: Personnel Management

(9hrs)

Personnel Management - Meaning - Definition - Personnel Planning and Selection - Human Resource Development - Personnel Problem - Compensation to employee - Worker's Participation in Management.

UNIT-III:LabourLegislation

(9hrs)

Labour Legislation -Meaning - Definition - Principles of Labour Legislation - Types of Labour Legislation - Basic Conditions of Employment Act - Union and Management - Leadership -Morale - Communication.

UNIT-IV:Sales Management

(9hrs)

Sales Management - Meaning - Definition - Concept of Sales Management - Character of Sales Management - Objectives of Sales Management - Principles of Sales Management - Need of Sales Management - Sales Policy - Planning Price Fixation - Advertising Salesmanship.

UNIT-V: Controlling

(9hrs)

Controlling - Meaning - Definition -Importance of Controlling - Process of Controlling - Need of Controlling - Types of Controlling - Budgetary Control - Reporting - Statistical Reports.

Reference Books:

- 1.Donald A.Hay& Derek J.Morris, Industrial Economics : Theory and Evidence - Oxford Press New Delhi 2015
2. Kanka, S.S.,OrganisationalBehaviour, S.Chand& Co., New Delhi,2016
3. Sivayya, K.V., Indian Industrial Economy, S.Chand&Co.,New Delhi 2017.

E - Materials:

1. en.wikipedia.org/wiki/Industrial_organization
2. www.investopedia.com/.../industrial-organization.asp

3. www.coursera.org/learn/industrial-organization
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5. mitpress.mit.edu/.../theory-industrial-organization
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7. www.verywellmind.com/industrial-organizational...
8. careersinpsychology.org/becoming-an-industrial-or
9. programsandcourses.anu.edu.au/2020/course/ECON8038
10. www.coalitiontheory.net/.../industrial-organisation

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	M	S	S	S	S	S	M	M
CO2	S	S	M	M	S	S	M	S	M	M
CO3	S	S	S	M	S	M	M	M	M	M
CO4	M	M	M	M	S	S	S	S	M	M
CO5	S	S	M	S	S	S	S	S	M	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER -2

4. ENERGY ECONOMICS

Course Objectives:

1. The main goal is to provide understanding about the role played by energy in global and local economy.
2. To learn economic fundamentals and institutional frameworks in energy production and consumption.
3. To broaden the vision of sources of energy.

4. Emphasizing on energy crisis and the ways to overcome it.
5. To introduce various non-conventional source of energy.
6. To understand the importance of renewable energy.

Course Outcomes:

1. After studied unit-1, the student will be able to get knowledge on nature and scope of energy economics.
2. After studied unit-2, the student will be able to acquire the ideas on the role of energy institutions.
3. After studied unit-3, the student will be able to gain knowledge on energy crisis and environmental impact and some solutions to overcome.
4. After studied unit-4, the student will be able to understand the various energy sectors.
5. After studied unit-5, be able to get knowledge on renewable energy sources the student

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	No	No	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Natural Resources

(9hrs)

Classification & Importance of Energy Resources - Types and classification - Emergence of Energy Economics - Its nature & scope.

UNIT-II: Institutional Role of Energy

(9hrs)

Development Role of Energy in Economic Development - Energy intensity and Elasticity - National and International Comparison - Role of Institutions like ONGC, OPEC, OAPEC, IEA and World Bank.

UNIT-III: Environment Energy Crisis

(9hrs)

Energy Crisis: causes - Consequences and Remedial Measures - Environmental Crisis - Causes - Consequences - Impact of Energy consumption on production and on Environment.

UNIT-IV: Indian Energy Sector

(9hrs)

Organisational structure - Energy Supply (Coal & Lignite, Oil & Gas, Hydro, Thermal, Nuclear) Energy Demand (From Agricultural, Industry, Transport, Domestic etc.,)

UNIT-V: Energy sources

(9hrs)

Renewable (Solar, Wind, Tidal, Wave, Bio-gas, Biomass, Hydrogen etc.) Renewable Energy Programmes under 5-year plans - Energy issues and Policy options for India. Field visit - Project report

Text Books:

Unit-I: Agarwal, S.K. - Environment Economics (Scott Foresman & Co., London 1985)

Unit-II: Agarwal, S.K. - Environment Economics (Scott Foresman & Co., London 1985)

Unit-III: Agarwal, S.K. - Environment Economics (Scott Foresman & Co., London 1985)

Unit-IV: Agarwal, S.K. - Environment Economics (Scott Foresman & Co., London 1985)

Unit-V: Agarwal, S.K. - Environment Economics (Scott Foresman & Co., London 1985)

Reference Books:

1. Agarwal, M.C., and Mongoo, J.R. - Economic and Commercial Geography National Publishing House, New Delhi 1992)
2. David Pearce- Sustainable Development - Economics and Environment in the Third world (Earthscan Publications, London, 1990)
3. Deoffrey Kirk - Schemacher on Energy, Abacus, London 1982,
4. Government of India: Tenth Five-year plan (Planning commission, New Delhi, 2002)
5. Hemalatha Rao - Rural Energy Crises: A Diagnostic Analysis (Ashish publishing House, New Delhi, 1990)
6. Karpagam, M Environmental economics (Sterling, New Delhi 1991)
7. Kneese. A.C. and Sweeney, J.L. Handbook of Natural resource and Energy Economics (North Holland, 1993)
8. Munasinghe, M and Meier P. Energy Policy and Modeling (Cambridge University press, UK 1993)

9. Paul Stevens (Ed) The economics of Energy, Vol 1 and II (Edward Elgar 2000)
10. Raikhy P.S. and Parminder Singh, Energy Consumption in India - Pattern and Determinants (Deep and Deep, New Delhi 1990)
11. Richard Eden - Energy Economics - Growth, Resources and Policies (Cambridge University Press, London 1981)

E - Materials:

1. www.journals.elsevier.com/energy-economics
2. en.wikipedia.org/wiki/Energy_economics
3. www.sciencedirect.com/journal/energy-economics
4. ocw.mit.edu/.../14-44-energy-economics-spring-2007
5. web.stanford.edu/~jsweeney/paper/Energy_Economics.PDF
6. www.bp.com/en/global/corporate/energy-economics.html
7. www.sciencedirect.com/journal/energy-economics/...
8. en.grenoble-em.com/energy-economics
9. economictimes.indiatimes.com/industry/energy
10. www.elsevier.com/journals/energy-economics/0140...

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	M	S	M	M	M	M	M	M
CO2	S	S	S	S	M	S	S	M	M	M
CO3	S	S	S	S	M	S	S	M	M	M
CO4	S	M	M	M	M	M	M	M	M	M
CO5	S	S	S	S	S	S	M	S	M	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE
PAPER -3
1. LABOUR ECONOMICS

Course Objectives:

1. To understand and study labour as an element in the process of production.
2. To make students understand the functioning and dynamics of markets for wage.
3. To understand the functions of labour market.
4. To understand the concept wage.
5. To understand the relationship between worker and employees.
6. To understand the relationship between education and wages.

Course Outcome:

1. After studied unit-1, the student will be able to understand the Labour and their problems.
2. After studied unit-2, the student will be able to understand about trade union movement.
3. After studied unit-3, the student will be able to become familiar with industrial dispute and measures to settle dispute.
4. After studied unit-4, the student will be able to understand the social security measures.
5. After studied unit-5, the student will be able to get knowledge on the functions of International Labour Organisation

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	No	No	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Introduction**(9hrs)**

Concept: Concept of Labour - Labour Economics and Labour problems - Factors responsible for labour problems - Characteristic features of Indian Labour.

UNIT-II: Trade Union**(9hrs)**

Collective Bargaining Power: Trade Union Movement in India - Meaning, Functions and role of trade Unions; Problems and Measures to strengthen T.U.

UNIT-III: Industrial Disputes**(9hrs)**

Industrial Disputes: Forms of Disputes - Meaning and causes, prevention methods, Joint Management Council - Code of Discipline. Settlement of Disputes: Works Committee - Conciliation Officer - Board of Conciliation - Court of Enquiry - Labour Court - Industrial Tribunals.

UNIT-IV: Social security measures**(9hrs)**

Labour welfare: Labour Legislations: Social Security in India: Workmen's Compensation - Sickness Benefits Maternity Benefits - Retirement Benefits - ESI Act.

UNIT-V: International Labour Organisation**(9hrs)**

National Commission on labour: Recommendations ILO purpose and functions - India and ILO

Text Books:

Unit-I : Mittal & Agarwal , Labour Economics, Sanjeev Prakashan Publication

Unit-II: Mittal & Agarwal , Labour Economics, Sanjeev Prakashan Publication

Unit-III : Mittal & Agarwal , Labour Economics, Sanjeev Prakashan Publication

Unit-IV :Mittal &Agarwal , Labour Economics, Sanjeev Prakashan Publication

Unit-V :Mittal &Agarwal , Labour Economics, Sanjeev Prakashan Publication

Reference Books:

1. Mamoria C.B. and Mamoria S., Dynamics of Industrial Relations, Himalaya Publishing House, Mumbai Mishra S.K. and Puri V.K., Indian Economy, Himalaya Publishing House, Mumbai
2. Punekar S.D., Deodhar S.B. and Sankaran Saraswathi , ‘Labour Welfare, Trade Unionism and Industrial Relations’, 2004
3. Ratna Sen, Industrial Relations in India - Shifting Paradigms, Macmillan, New Delhi
4. Singh J.K., Labour Economics - Principles, Problems and Practices, Deep and Deep Publications Pvt. Ltd., New Delhi
5. Sinha P.R.N., Sinha I.B. and Shekar S.P., Industrial Relations, Trade Unions and Labour Legislation, Pearson Education, New Delhi
6. Sarma A.M., Industrial Relations, Himalaya Publishing House, Mumbai
7. Mittal &Agarwal ,Labour Economics, Sanjeev Prakashan Publication.
8. Agrawal A.N., Indian Economy, New Age International Publishers, New Delhi
9. Datt R. and Sundaram K.P.M., Indian Economy, S.Chand& Co., New Delhi

E - Material:

1. [www.britannica.com > topic > labour-economics](http://www.britannica.com/topic/labour-economics)
2. **Error! Hyperlink reference not valid.**
3. **Error! Hyperlink reference not valid.**
4. [www.thebalance.com > US Economy and News > Supply](http://www.thebalance.com/US-Economy-and-News/Supply)
5. **Error! Hyperlink reference not valid.**
6. **Error! Hyperlink reference not valid.**

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	M	S	S	M	S	M	M	M

CO2	S	S	M	M	S	M	S	M	M	M
CO3	S	S	M	M	S	S	S	M	M	M
CO4	S	S	M	S	S	S	S	S	M	M
CO5	S	S	M	M	S	S	M	S	M	M

PO – Programme Outcome, CO – Course outcome S – Strong , M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER -3

2. INSURANCE AND ECONOMICS

Course Objective

1. To provide an over view and simple explanation of certain economic concepts relevant to risk and insurance.
2. To understand various forms of insurance.
3. To understand the role of insurer as wealth creator.
4. To understand the concept of insurance and the security derived.
5. To understand the role of insurance in modern economics.
6. To explain the role of insurance as social welfare and security/

Course Outcome

1. After studied unit-1, the student will be able to understand the risk factors and security measures through insurance.
2. After studied unit-2, the student will be able to understand the importance and functions of life insurance.
3. After studied unit-3, the student will be able to become familiar with kinds of insurance.
4. After studied unit-4, the student will be able to understand the role of insurance in economic development.

5. After studied unit-5, the student will be able to get knowledge on the role on insurance and IRDA.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	No	No	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	No	No	No

UNIT-I: Introduction

(9hrs)

The quest for Economic Security - Classification of Risks - Demand for Insurance. Definition and Nature - Evolution and Importance of Insurance.

UNIT-II: Life Insurance

(9hrs)

Life Insurance Contract: Nature and Classification of Policies - Selection of Risk - Calculation of premium - Investment of Funds - Surrender Value.

UNIT-III: Kinds of Insurance

(9hrs)

Fire Insurance: Nature and uses - Kinds of Policies - Policy Conditions - Rate Fixation - Payment of claim - Motor Insurance - Personal Accident - Health and Medical Insurance

UNIT-IV: Insurance and Economic Development

(9hrs)

Insurance in Economic Development: Insurance and Mobilisation of savings - Insurance Institutions as Investment Institutions and their role in capital market.

UNIT-V: Insurance and IRDA

(9hrs)

Insurance as social welfare and security: Insurance - an Investment - Tax and Non - Tax Advantages - Retirement Planning - pension plans - Insurance Regulation and Development Authority (IRDA)

Text Books:

Unit-I:Mishra, M.N. Insurance : Principles and Practice S.Chand& Co, New Delhi 2014

Unit- II:Mishra, M.N. Insurance : Principles and Practice S.Chand& Co New Delhi 2014

Unit- III:Mishra, M.N. Insurance : Principles and Practice S.Chand& Co New Delhi 2014

Unit- IV:Mishra, M.N. Insurance : Principles and Practice S.Chand& Co New Delhi 2014

Unit- V:Mishra, M.N. Insurance : Principles and Practice S.Chand& Co New Delhi 2014

Books for Reference:

1. Black.K and Skipper.H.D, Life and Health Insurance, Prentice Hall, Upper Saddle River, New Jersey.
2. Dionne.G and S.E. Harrington (eds.), Foundations of Insurance Economics, Kluwer Publishers, Buston.
3. Mishra M,N, Modern Concepts of Insurance, S.Chand& Co. New Delhi 2014
4. IRDA : Insurance Regulations and Development Authority Regulations New Delhi.
5. Govt of India : Old age and Income Security Report (Dave Committee Report) Govt of India, New Delhi

E - Materials:

1. www.investopedia.com › Personal Finance › Insurance
2. www.iii.org › docs › pdf › insurance-driver-econ-growth-053018
3. media.swissre.com › documents › pub_economics_of_insurance
- 4.**Error! Hyperlink reference not valid.**5. fbf.eui.eu › economics-insurance-markets
6. en.wikipedia.org › wiki › Insurance
7. www.cavignac.com › publications › commercial-insurance-update
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Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	S	M	M	S	S	M	M
CO2	S	S	S	S	S	S	S	S	M	M
CO3	S	S	S	S	S	S	S	S	M	M
CO4	S	S	S	S	S	S	S	S	M	M
CO5	S	M	M	M	M	M	M	M	M	M

PO – Programme Outcome, CO – Course outcome S – Strong , M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER -3

2. DEMOGRAPHY

Course Objective

1. Make the students to understand about the demography.
2. To equip the students with the knowledge regarding the relationship between Demography and Economic Development.
3. To make students aware of the importance of population in economic development and the various theories that explains the growth of population in a country.
4. To understand the human development index in a particular population.
5. To learn more about socio economic issues.
6. To understand demographic particulars to decode government policies.

Course Outcome

1. After studied unit-1, the student will be able to understand the population and relevant theories.
2. After studied unit-2, the student will be able to understand the emerging trends in population.
3. After studied unit-3, the student will be able to understand the terms fertility, nuptiality and mortality.

4. After studied unit-4, the student will be able to understand the impact of migration on urbanization.
5. After studied unit-5, the student will be able to get knowledge on the population policy of India.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	Yes	No	No
2	Yes	Yes	Yes	Yes	No	No
3	Yes	Yes	Yes	Yes	No	No
4	Yes	Yes	Yes	Yes	No	No
5	Yes	Yes	Yes	Yes	No	No

Unit - I: Population Theories

(9hrs)

Population and Development- Meaning and scope of demography; components of population growth and their interdependence - Theories of population - Malthus, Optimum theory of population; theory of demographic transition -Population and development.

Unit - II: Population Trends

(9hrs)

Population trends in the twentieth century; Population explosion -Determinants of age and sex structure; Demographic effects of sex and age structure, economic and social implications; Age pyramids and projections.

Unit - III: Fertility, Nuptiality and Mortality

(9hrs)

Fertility, Nuptiality and Mortality-Importance of study of fertility - Factors affecting fertility - Socio-economic factors. Nuptiality - Concept and analysis of marital status, single mean age at marriage. Mortality - Death rates, crude and age-specific; Mortality at birth and infant mortality rate.

Unit - IV:Migration and Urbanisation

(9hrs)

Migration and Urbanization-Concept and types - Temporary, internal and international; International migration -Its effect on population growth and pattern; Factors affecting migration; Urbanization - Growth and distribution of rural-urban population in developed and developing countries. Urbanization in India.

Unit - V: Population Policy and Family Planning

(9hrs)

Population Policy in India-Evolution of population policy in India - The shift in policy from population control to family welfare, to women empowerment; Family planning strategies and their outcomes.

Text Books:

Unit-I: Agarwala, S. N.Demography, Tata McGraw Hill Co., Bombay.

Unit-II:Srinivasan, K. (1998), Demography, Sage, New Delhi.

Unit-III: Agarwala, S. N.Demography, Tata McGraw Hill Co., Bombay.

Unit-IV: Srinivasan, K. (1998), Demography, Sage, New Delhi.

Unit-V: Agarwala, S. N.Demography, Tata McGraw Hill Co., Bombay

Reference Books

1. Agarwala, S. N. (1972), India's Population Problem, Tata McGraw Hill Co., Bombay.
2. Bose, A. (1996), India's Basic Demographic Statistics, B. R. Publishing Corporation, NewDelhi.
3. Bogue, D. J. (1971), Principles of Demography, John Wiley, New York.
4. Choubey, P. K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
5. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
6. Gulati, S. C. (1988), Fertility in India: An Econometric Study of a Metropolis, Sage, NewDelhi.

E - Materials:

1. en.wikipedia.org/wiki/Demography
2. www.merriam-webster.com/dictionary/demography
3. www.britannica.com/topic/demography
4. www.thefreedictionary.com/demography

5. www.businessdictionary.com/definition/demography.html
6. www.thoughtco.com/what-is-demography
7. www.sciencedirect.com/.../demography
8. www.sociologydiscussion.com/demography/demography...
9. www.suda.su.se/education/what-is-demography
10. prayagraj.nic.in/demography

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	S	S	S	M	M	M	M	M
CO2	S	S	M	M	M	M	M	M	M	M
CO3	M	S	M	M	M	M	M	M	M	M
CO4	M	S	M	M	M	M	M	M	M	M
CO5	S	S	S	M	M	M	M	S	M	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)

INTERNAL ELECTIVE

PAPER -3

4. Economics of Development and Planning

Course Objective

1. To familiarize the students with the models in economic development.
2. To impart the knowledge regarding planning techniques.
3. To understand various strategies for development.
4. To analyse growth models.

5. To understand capital in its various forms.
6. To understand role of technology in economic development.

Course Outcome:

1. After studied unit-1, the student will be able to get knowledge of economic development growth.
2. After studied unit-2, the student will be able to acquire the ideas of various theories of economic development.
3. After studied unit-3, the student will be able to get analytical knowledge of various growth models.
4. After studied unit-4, the student will be able to understand the various forms of capital formation.
5. After studied unit-5, the student will be able to get knowledge on planning commission and today's NITI Aayog

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	Yes	No	No	No
5	Yes	Yes	Yes	Yes	No	No

UNIT - I: Economic Development and Growth

(9hrs)

Economic development and growth - Concepts - Measurements - Determinants of development -Obstacles to development - Characteristics of the Less developed countries - Salient features of Indian Economy.

UNIT -II: Theories of Economic Development

(9hrs)

Strategies of economic development - Theory of Big push - The Critical Minimum Effort Thesis - The Schumpeterian Theory.

UNIT - III: Growth Models

(9hrs)

Growth models: The Harrod - Domar models -The Mahalanobis model - Its applicability - Choice of techniques - Labour intensive technique and capital-intensive technique - Intermediate technology.

UNIT - IV: Capital Formation

(9hrs)

Capital formation and Economic Development - Importance of Capital formation - Types - Role of foreign capital in economic development - The role of technology in economic development.

UNIT - V: Planning

(9hrs)

Objectives of planning - Types of planning - India's Five-Year Plans - Objectives and Performance - Current Five-Year Plan - Regional imbalance - Policy measures to remove regional disparities - NITI Aayog.

Text Books:

Unit-I: M.L. Jhingan Economics of Development and Planning, Konark Publishers, New Delhi - 2003.

Unit- II: RuddarDutt, Economics of Development and Planning, S. Chand and Sons, New Delhi - 2003 K.P.M. Sundaram

Unit-III: M.L. Jhingan Economics of Development and Planning, Konark Publishers, New Delhi - 2003.

Unit-IV: RuddarDutt, Economics of Development and Planning, S. Chand and Sons, New Delhi - 2003 K.P.M. Sundaram

Unit-V: M.L. Jhingan Economics of Development and Planning, Konark Publishers, New Delhi - 2003.

REFERENCES BOOKS

1. M.L. Jhingan The Economics of Development and Planning, Konark Publishers, New Delhi - 2003.
2. RuddarDutt and Indian Economy, S. Chand and Sons, New Delhi - 2003K.P.M. Sundaram
3. Ishwar C. Dhingra Indian Economy, Sultan Chand and Sons, New Delhi - 2003
4. A.N. Agarwal Indian Economy - Problems, Development and PlanningNew Age International (P) Ltd., Chennai - 2000.
5. S.K. Misra and Indian Economy - Himalaya Publishing House, Bombay - 2004V.K. Puri

E - Materials:

1. www.studydhaba.com/indian-economy-study-material-pdf
2. www.examrace.com/IEcoS/IEcoS-Study-Material
3. www.winmeen.com/tnpsc-indian-economy-study-materials
4. www.jagranjosh.com/articles/ias-prelims-2015-gs...
5. www.examrace.com/NTA-UGC-NET/NTA-UGC-NET-Study...
6. www.governmentexams.co.in/tnpsc-indian-economy-notes
7. www.clearias.com/ias-study-materials
8. sol.du.ac.in/SOLSite/Courses/StudyMaterial.aspx?...
9. www.tnpscshouters.com/2019/02/tnpsc-indian...
10. www.hirensir.com/indian-economy-in-gujarati-pdf

Mapping with Programme Outcomes

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	M	M	M	S	M	M	M	M	M
CO2	S	M	M	M	M	M	M	M	M	M
CO3	S	S	S	M	M	M	M	S	M	M
CO4	M	L	M	M	M	M	M	M	M	M
CO5	M	L	M	S	M	L	L	M	M	M

PO – Programme Outcome, CO – Course outcome S – Strong, M – Medium, L – Low (may be avoided)