ECONOMICS
SYLLABUS

FROM THE ACADEMIC YEAR
2023 – 2024

TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION, CHENNAI – 600 005

CHOICE BASED CREDIT SYSTEM AND LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK BASED B.A. ECONOMICS SYLLABUS	
Programme:	**B.A. Economics**
Programme Code:	
Duration:	**3 Years(UG)**
Programme Outcomes:	**PO1: Knowledge of Economics:** Ability to understand Economic Theories and functioning of Economic Models. To develop an adequate competency in the Economic Theory and Methods. **PO2: Analytical Reasoning and Critical Thinking:** Critically Analyze and assess the way in which economists examine the real world to understand the current events and evaluate specific proposals. **PO3: Logical Reasoning and Quantitative Ability:** Ability to understand how to collect and analyse data and use empirical evidence to evaluate the validity of hypothesis, using Quantitative Methodology and conduct data analysis to interpret results. **PO4: Communication and Research Skills:** Communication and Research related skills. Developing a sense of capability for relevant/appropriate inquiry and asking questions, synthesising and articulating and reporting results and to efficiently communicate thoughts and ideas in a clear and concise manner. **PO5: Gender, Environment and Sustainability:** Comprehend the Environmental issues and Sustainable Development and strive to achieving economic and social equity for women and be Gender Sensitive. **PO6: Employability and Leadership Skills:** Become empowered individuals to be employed in various positions in industry, academia and research and have the potential to become Entrepreneurs and take leadership roles in their chosen occupations and communities. **PO7**: **Social Interaction**: Acquire the ability to engage in relevant conversations and have the ability to understand the views of society that would help initiate policy making. **PO8:** Digital Literacy and Lifelong Learning: Capability to use ICT tools in a variety of learning situation and use appropriate software for analysis of data - Ability to acquire Knowledge situations and skills for life through self directed learning and adapt to different learning environments.
Programme Specific Outcomes:	**PSO1**: To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making. **PSO 2**: To sensitize students to various economic issues related to Development, Growth, International Economics, Sustainable Development and Environment. **PSO 3**: To familiarize students to the concepts and theories related to Finance, Investments and Modern Marketing. **PSO 4**: Evaluate various social and economic problems in the society and develop answer to the problems as global citizens. **PSO 5:** Enhance skills of analytical and critical thinking to analyze effectiveness of economic policies.

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
PSO 1	Y	Y	Y	Y	Y	Y	Y	Y
PSO 2	Y	Y	Y	Y	Y	Y	Y	Y
PSO3	Y	Y	Y	Y	Y	Y	Y	Y
PSO 4	Y	Y	Y	Y	Y	Y	Y	Y
PSO 5	Y	Y	Y	Y	Y	Y	Y	Y

3 – Strong, 2- Medium, 1- Low

Methods of Evaluation		
Internal Evaluation	Continuous Internal Assessment Test	25 Marks
	Assignments	
	Seminars	
	Attendance and Class Participation	
External Evaluation	End Semester Examination	75 Marks
	Total	100 Marks
Methods of Assessment		
Recall (K1)	Simple definitions, MCQ, Recall steps, Concept definitions	
Understand/ Comprehend (K2)	MCQ, True/False, Short essays, Concept explanations, Short summary or overview	
Application (K3)	Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain	
Analyze (K4)	Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge	
Evaluate (K5)	Longer essay/ Evaluation essay, Critique or justify with pros and cons	
Create (K6)	Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations	

B.A., ECONOMICS
Programme Structure 2023-2024

Sem	Part	Course Code	Courses	List of courses	T/P	Credits	No. of Hrs	Int	Ext	Tot
				First Year – Semester – I					**Max Marks**	
I	Part I	2311T	T/OL	தமிழ் இலக்கிய வரலாறு-l / Other Languages	T	3	6	25	75	100
	Part II	2312E	E	General English-I	T	3	6	25	75	100
	Part-III	23BAE1C1	CC-I	Microeconomics-I	T	5	5	25	75	100
		23BAE1C2	CC-II	Statistics for Economics-I	T	5	5	25	75	100
		-	Generic Elective (Allied)	BBA/B.Com/B.com(CA)/History/ Tamil	T	3	4	25	75	100
	Part-IV	23BAE1S1	SEC-I	Demography	T	2	2	25	75	100
		23BAE1FC	FC	Business Communication	T	2	2	25	75	100
				TOTAL		**23**	**30**	**175**	**525**	**700**
II	Part I	2321T	T/OL	தமிழ் இலக்கிய வரலாறு-2 / Other Languages	T	3	6	25	75	100
	Part II	2322E	E	General English-II	T	3	6	25	75	100
	Part III	23BAE2C1	CC-III	Microeconomics-II	T	5	5	25	75	100
		23BAE2C2	CC-IV	Statistics for Economics-II	T	5	5	25	75	100
		--	Generic Elective (Allied)	BBA/B.Com/B.com(CA)/History/ Tamil	T	3	4	25	75	100
	Part IV	23BAE2S1	SEC-II	Economics for Investors	T	2	2	25	75	100
		23BAE2S2	SEC-III	Computer Application in Economics	T	2	2	25	75	100
		--	NMC		T	2	-	25	75	100
				Total		**23+2**	**30**	**175**	**525**	**700**
III	Part I	2331T	T/OL	தமிழக வரலாறும் பண்பாடும்/ Other Languages	T	3	6	25	75	100
	Part II	2332E	E	General English-III	T	3	6	25	75	100
	Part III	23BAE3C1	CC-V	Macroeconomics-I	T	5	5	25	75	100
		23BAE3C2	CC-VI	Mathematics for Economics	T	5	5	25	75	100
		--	Generic Elective (Allied)	BBA/B.Com/B.com(CA)/History/ Tamil	T	3	4	25	75	100
	Part IV	23BAE3S1	SEC-IV	Entrepreneurial Economics	T	2	**2**	25	75	100
		233AT/ 23BAE3S2	SEC-V	Adipadai Tamil 1/Event Management(Entrepreneurial Skills)	T	2	2	25	75	100
			NMC		T	2	-	25	75	100
				Total		**23+2**	**30**	**175**	**575**	**700**

IV	Part I	2341T	T/OL	தமிழும் அறிவியலும் / Other Languages	T	3	6	25	75	100
	Part II	2342E	E	General English-IV	T	3	6	25	75	100
	Part III	23BAE4C1	CC-VII	Macroeconomics-II	T	4	4	25	75	100
		23BAE4C2	CC-VIII	Indian Economy	T	4	4	25	75	100
		--	Generic Elective (Allied)	BBA/B.Com/B.com(CA)/History/Tamil	T	3	4	25	75	100
	Part IV	23BAE4S1	SEC-VI	Basic Accountancy	T	2	2	25	75	100
		233AT/ 23BAE4S2	SEC-VII	Adipadai Tamil 2/Modern Banking and Insurance	T	2	2	25	75	100
		23BES4	EVS	EVS	T	2	2	25	75	100
		--	NMC		T	2	-	25	75	100
				Total		23+2	30	200	600	800
V	Part III	23BAE5C1	CC-IX	Monetary Economics	T	4	5	25	75	100
		23BAE5C2	CC-X	Fiscal Economics	T	4	5	25	75	100
		23BAE5C3	CC-XI	Industrial Economics	T	4	5	25	75	100
		23BAE5C4	CC-XII	Environmental Economics	T	4	5	25	75	100
		23BAE5E1/ 23BAE5E2	DSE-I	1. Tamil Nadu Economy **(OR)** 2. Managerial Economics	T	3	4	25	75	100
		23BAE5E3/ 23BAE5E4	DSE-II	1. Operations Research**(OR)** 2. Gender Economics	T	3	4	25	75	100
	Part-IV	23BVE5	SEC-VIII	Value Education	T	2	2	25	75	100
		23BAE5SI/ 23BAE5IT		Summer Internship/Industrial Training	PR	2	-	25	75	100
		--	NMC		T	2	-	25	75	100
				Total		26 +2	30	200	600	800
VI	Part-III	23BAE6C1	CC-XIII	International Economics	T	4	6	25	75	100
		23BAE6C2	CC-XIV	Development Economics	T	4	6	25	75	100
		23BAE6C3	CC-XV	Agricultural Economics	T	4	6	25	75	100
		23BAE6E1/ 23BAE6E2	DSE-III	1. Basic Econometrics**(OR)** 2.Behavioural Economics	T	3	5	25	75	100
		23BAE6E3/ 23BAE6E4	DSE-IV	1.Financial Markets and Institutions **(OR)** 2.Urban Economics	T	3	5	25	75	100
	Part-IV	23BAE6S1		**Professional Competency Skill** General Studies for Competitive Examinations	T	2	2	25	75	100
	Part-V	23BEA6		Extension Activity	P	1	-	25	75	100
		--	NMC		T	2	-	25	75	100
				Total		21	30	175	525	700
				Grand Total		140+10		1075	3275	4400

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	Exte	Total
23BAE1C1	MICROECONOMICS-I	Core -I		T			5	5	25	75	100
Learning Objectives											
C1	To Equip the economic behaviours of individual units of the society.										
C2	To describes the consumer behaviour and utility analysis										
C3	To impart knowledge on demand and supply concepts										
C4	To identify the relevance of Production and returns to scale of Production										
C5	To know the costs and profit maximisation										

	Contents	No. of Hours
UNIT I	**Basic Concepts** Definitions of Economics– Nature and Scope of Microeconomics –Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making–Rationality: Self-Interest – Trade-offs –Fundamental Economic Problems -Market Mechanism and Resource Allocation.	15
UNIT II	**Utility Analysis** Utility–Ordinal and Cardinal Utility–Total and Marginal Utility – Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility- Indifference Curves–Properties–Marginal Rate of Substitution- Budget Line – Price and Substitution Effects-Optimal Consumer Choice – Revealed Preference Theory – Samuelson and Hicks' Approach	18
UNIT III	**Demand and Supply Analysis** Demand – Types of Goods -Law of Demand – Determinants – Exceptions – Giffen Paradox – Veblen Effect- Elasticity of Demand: Types - Engel's Law - Supply – Law of Supply –Determinants –Elasticity of Supply and its Types-Market Equilibrium - Consumer Surplus and Producer Surplus	15
UNIT IV	**Production Analysis** Production Function– Law of Variable Proportions- Laws of Returns to Scale-Iso-quant's-Types of Production Function – Cobb -Douglas and Constant Elasticity of Substitution(CES) Production Function –Economies and Diseconomies of Scale	15
UNIT V	**Cost and Revenue Concepts** Costs – Fixed and Variable Costs - Average, Marginal, and Total Costs – Short Run and Long Run Costs – Implicit, Explicit, Sunk and Imputed Cost – Revenue – Total, Average and Marginal Revenue –Relationship between AR, MR and Elasticity of Demand- Profit Maximization Rule.	12
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the meaning of basic concepts and the need for the study of Microeconomics.	PO1,PO2
2.	Evaluate the Types of Utility and Consumer Behaviour.	PO2,PO3

3.	Acquire knowledge on various market equilibrium, Demand and Supply Functions	PO1,PO2
4.	To understand the meaning of Production Functions	PO1
5.	To understand the theory of firms, Cost and Revenue	PO1

	Textbooks
1.	Robert Pindyck and Daniel L.Rubinfield,(2001) Micro Economics, Macmillan
2.	Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)
3.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.
4.	Ahuja H.L (2016) Principles of Microeconomics, S.Chand
5.	Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12th Media Services.

	Reference Books
1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2nd Edition.
2.	Gregory Mankiw (2012), Principlesof Microeconomics Cengage India.
3.	Dwivedi, D.N(2002), Microeconomics: Theory and Applications, 2nd ed., Pearson
4.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)
5.	Karl E.Case and Ray C Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia

	Web Resources
1.	http://www.econlib.org/library/enc/microeconomics.html
2.	https://www.tutor2u.net/economics
3.	https://www.economicsnetwork.ac.uk/
4.	https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics
5.	http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	2	2	2	3	2	3
Weightage	14	14	14	14	13	15	13	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	2.6	3.00	2.6	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	2	2	2
CO3	3	3	3	3	3
CO4	3	3	3	2	2
CO5	3	3	3	2	2
Weightage	15	15	14	11	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.2	2.2

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Cre	Inst Hou	CIA	Exte	Total
									Marks		
23BAE1C2	**STATISTICS FOR ECONOMICS –I**	Core-II		T			5	5	25	75	100

	Learning Objectives
C1	To know the nature and scope of statistics and its applications
C2	To teach students Collection, Classification, Analyzing and Presentation of data.
C3	To apply the measures of central tendency
C4	To draw measurement of dispersion and its applications
C5	To analyse correlation and regression and its applications

	Contents	No. of Hours
UNIT I	**Introduction and Collection of Data** Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data –Tools for collecting Primary Data – Requisites of Good Questionnaire – Sources of Secondary Data.	15
UNIT II	**Classification and Presentation of Data** Classification and Tabulation of Data– Types - Frequency Distribution —- Cumulative Frequency Distribution- Class Interval – Diagrams – Types- Graphical Representation– Histogram – Frequency Polygon - Ogive Curve - Lorenz Curve.	15
UNIT III	**Measures of Central Tendency** Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits.	15
UNIT IV	**Measures of Dispersion** Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation –-Skewness and Kurtosis.	15
UNIT V	**Correlation and Regression** Correlation – Types of Correlation – Methods -Karl Pearson's Co-efficient of Correlation –- Spearman's Rank Correlation – Regression Equations – Distinction between Correlation and Regression Analysis.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand the overview of statistics and basic knowledge of statistical tools.	PO1, PO3,PO8
2	Differentiate Types of Data and its Classification	PO1,PO2, PO3,PO8
3	Explain the concept of Averages and its application	PO1, PO2,PO3
4	Know the concept of Dispersion and its application	PO1, PO2,PO3
5	Calculate Correlation and estimate values using Regression	PO3,PO7,PO8

Textbooks

1	Gupta. S.P (2005) Statistical Methods, Sultan Chand and Sons, New Delhi.
2	Sancheti. D.C and Kapoor V.K(2005) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi.
3	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.
4	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.
5	Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002)

Reference Books

1.	Saxena H.C , (2016) Elementary Statistics, S Chand and Company New Delhi.
2.	Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi
3.	Manoharan M (2010), "Statistical Methods", Palani Paramount Publications, Palani.
4.	R.S.N.Pillai and V. Bagavathi(2010), Statistics, Sultan Chand and Sons, New Delhi
5.	Dr.S.Sachdeva (2014) Statistics -Lakshmi Narain Agarwal.

Web Resources

1.	https://www.cuemath.com/data/statistics/
2.	https://stattrek.com/statistics/resources
3.	https://testbook.com/learn/maths-mean-median-mode/
4.	https://www.statistics.com/
5.	https://thisisstatistics.org/students/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	2	2	2	3	3	3	3
Weightage	15	14	14	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	2.8	2.8	2.8	2.8	3.00	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to PSOs	3	3	3	3	3

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

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Cre	Inst. Hou	CIA	Exter	Tota
									Marks		
23BAE1S1	DEMOGRAPHY	SEC-I		T			2	2	25	75	100

	Learning Objectives
C1	To understand the meaning and scope of demography
C2	To discuss the basic concepts of demographic measurements.
C3	To describes the concepts of urbanisation and migration
C4	evaluate the international aspects of population growth and tis environment
C5	To analyse the trends in population policy in India

	Contents	No. of Hours
UNIT I	**Introduction** Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.	15
UNIT II	**Birth Rate, Death Rate and Fertility** Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India – Temporal and Spatial Variation in Sex Ratios – Crude Birth and Death Rate- Age Specific Birth and Death Rates – Standardized Birth and Death Rates –Fertility – Total Fertility Rate – Gross Reproduction Rate – Net Reproduction Rate	16
UNIT III	**Migration and Urbanisation** Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.	14
UNIT IV	**Population Trends** Population Trends– International Aspects of Population Growth and Distribution – Population and Environment Pattern of Age and Sex Structure in Developed and Developing Countries – Age Pyramids and Projections.	15
UNIT V	**Population Policy in India** Population Policy in India and its Evaluation – Population and Strategies for Human Development of Different Social Groups – National Population Commission – Demographic Dividend – National Youth Policy.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Describe the various theories of Population Growth	PO1, PO7
2	Understand Demographic Indicators	PO2, PO3
3	Assess the causes and impact of Migration on rural-urban population distribution	PO2,PO7
4	Analyse the major demographic trends and their determinants	PO1,PO2
5	Evaluate Population Policy of India and analyse recent trends.	PO1,PO2,PO3

Textbooks	
1	Jhingan, M. L, B.K. Bhatt, J.N. Desan (2003) Demography, Vrinda Publications, New Delhi
2	Rajendra K. Sharma (2007), Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd.
3.	Jennifer Hickes Lundquist, Douglas L. Anderton and David Yaukey, "Demography: The Study of Human Population", Waveland Press Inc, 2015
4.	Dudley L. Poston, Jr. and Leon F. Bouvier, "Population and Society: An Introduction to Demography", Cambridge University Press, 2015
5.	Richard.K Thomas, "Concepts, Methods and Practical Applications in Applied Demography", Springer,2018

Mapping with Programme Outcomes:

Reference Books	
1.	Agarwala S.N. (1985), India's Population Problem, Tata McGraw-Hill, Bombay.
2.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.
3.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York
4.	Sarah Harper (2018), Demography: A Very Short Introduction, Oxford Press 2018.
5.	Peter R. Cox, Demography- 5th Edition, Cambridge University Press.

Web Resources	
1.	https://data.worldbank.org/indicator/SP.POP.TOTL
2.	https://www.iom.int/
3.	https://censusindia.gov.in
4.	https://www.nationalgeographic.org/encyclopedia/demography/
5.	https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	3	3	2	3	2	3	3
Weightage	15	14	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	3.00	2.8	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

FOUNDATION COURSE

Subject Code	Subject Name	Category	L	T	P	S	Cred	Inst Hou	Marks CIA	Exte	Total
23BAE1FC	**BUSINESS COMMUNICATION**	Foundation Course		T			2	2	25	75	100

	Learning Objectives
C1	To know the meaning objectives and role of communication and media
C2	To understand the need and importance of communication in management
C3	To apply the need and function of business letter
C4	To study the business correspondents with insurance and other organisation
C5	To understand the meaning and importance of report writing

	Contents	No. of Hours
UNIT I	**Communication** Communication: Meaning and Definition - Objectives - Role of Communication – Process and Elements of Communication - Communication Networks - Types and Media of Communication – Barriers to Communication - Characteristics for Successful Communication	15
UNIT II	**Communication in Management** Management and Communication: Need and Importance of Communication in Management – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization.	15
UNIT III	**Business Letters** Business Letter: Need – Functions – Kinds – Essentials of effective Business Letter - Language and Layout – Planning, Enquiries and Replies - Sales Letter - Orders, Tender and Notice - Complaints - Letter of Appointment.	18
UNIT IV	**Correspondence** Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence	15
UNIT V	**Report Writing** Report Writing: Meaning and Importance - Purpose - Types of Business Reports - Characteristics of a Good Report - Report Preparation - Report by Individual and Committees - Agenda and Minutes of Meeting.	12
	Total	**75**

	Course Outcomes	**Programme Outcomes**
CO	On completion of this course, students will	
1.	Understand the basics of communication and its Process, Elements, and its importance.	PO1,PO2
2.	Acquire communication skills.	PO1,PO4
3.	Employ the art of report preparation and writing Business Letters	PO2,PO6
4.	Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern.	PO5,PO6, PO8

5.	Employ the art of report preparation	PO4,PO6,PO7

Textbooks	
1.	Korlahalli, J. S., & Pal, R. (1979) Essentials of Business Communication. S. Chand, New Delhi.
2.	Kaul A, (2015) Effective Business Communication. Second Edition Prentice Hall India Learning Private Limited.
3.	Raymond Lesikar and John Pettit, Jr.(2016) Report Writing for Business Mc Graw Hill Education
4.	Scott Mclean,"Business Communication for Success", Flat World Knowlegde, 2010
5.	Virander K. Jain, "Business Communication", S. Chand Limited, 2008

Reference Books	
1.	Kumar, R. (2010). Basic Business Communication. Excel Books India.
2.	Bovee, C. L. (2008). Business Communication today. Pearson Education India.
3.	Lesikar, R. V., & Pettit, J. D. (1989). Business communication: Theory and application. Irwin Professional Publishing.
4.	Mary Ellen Guffy and Dana Loewy (2012) Essentials of Business Communication Cengage Learning
5.	C.B.Gupta (2019) Essentials of Business Communication Cengage Learning India Pvt. Ltd

Web Resources	
1.	https://www.managementstudyguide.com/business_communication.htm
2.	https://studiousguy.com/business-communication/
3.	https://www.indeed.com/career-advice/resumes-cover-letters/business-communication-skills
4.	https://www.softskillsaha.com/what-is-meaning-of-business-communication-skills.php
5.	https://www.mindtools.com/page8.html

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	3	3	2	3	2	3	3
Weightage	15	14	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	3.00	2.8	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	3
CO2	2	2	3	3	3
CO3	3	2	2	3	3
CO4	2	2	3	2	2
CO5	2	2	3	3	3
Weightage	11	11	13	14	14
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.6	2.8	2.8

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE2C1	**MICROECONOMICS-II**	Core-III		T			5	5	25	75	100
	Learning Objectives										
C1	To equip the students to gain knowledge on the market structures										
C2	To analyse the monopoly and price discrimination in the market										
C3	To probe the monopolistic and oligopoly competitions and its operation										
C4	To enrich the students about the Theories of Distribution										
C5	To understand the concepts of Welfare Economics										

	Contents	**No. of Hours**
UNIT I	**Perfect Competition** Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition- Time Element Analysis.	14
UNIT II	**Monopoly and Price Discrimination** Definition of Monopoly–Demand and Marginal Revenue - Equilibrium under Monopoly– Dead Weight Loss -Policies to Control Monopoly – Price Discrimination–First Degree, Second Degree and Third-Degree Price Discrimination – Dumping.	15
UNIT III	**Monopolistic and Oligopoly Competition** Monopolistic Competition–Features– Product Differentiation–Market Equilibrium and Short Run and Long Run- Barriers to Entry – Group and Industry Equilibrium– Excess Capacity - Oligopoly – Kinked Demand Curve – Collusion – Cartels and Price Leadership –Game Theory – Minimax – Maximin – Nash Equilibrium.	16
UNIT IV	**Distribution Theory** Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.	14
UNIT V	**Welfare Economics and General Equilibrium** Welfare Criteria – Adam Smith – Edgeworth – Pareto - Kaldor – Market Failure – Externalities – Walrasian General Equilibrium – Static Properties for Consumption, Production, and Distribution.	16
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the equilibrium conditions in Perfect Competition.	PO1, PO2
2	Analyze the equilibrium conditions under Monopoly Market Structure.	PO1,PO2
3	Describe the Market Equilibrium under Monopolistic and Oligopoly Market.	PO1,PO2
4	Know the importance of theories of Distribution.	PO1,PO2
5	Evaluate the aspects of Welfare Economics and General Equilibrium.	PO2,PO3,PO7

Textbooks

1.	Robert Pindyck and Daniel L.Rubinfield,(2001) Micro Economics,Macmillan.
2.	Hal R. Varian (2004), Intermediate Micro Economics East-West Press: New Delhi.
3.	Walter Nicholson and Christopher Snyder, Micro Economic Theory - Basic Principles and Extensions, Cengage Learning India Pvt, Ltd, 12th Edition, 2016.
4.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.
5.	Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12th Media Services.

Reference Books

1.	Koutsoyiannis (2003), Modern Microeconomics, Palgrave Macmillan (UK) 2nd Edition.
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.
3.	Case & Fair, Principles of Economics Myeconlab series 8thEdn.
4.	Mansfield, Edwin and Yohe, Gary (2010): Microeconomics 4th ed, Viva-Norton Indian Edition
5.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)

Web Resources

1.	https://open.umn.edu/opentextbooks/subjects/economics
2.	https://global.oup.com
3.	https://www.economicsnetwork.ac.uk
4.	https://edge.sagepub.com/sextonmicro8e
5.	https://www.aeaweb.org/resources/students

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	3	2	3	3	2	3	3
Weightage	14	15	14	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	3.00	2.8	3.00	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	3	3	3	2	3
CO4	3	3	3	2	2
CO5	3	3	3	3	3
Weightage	15	15	15	12	12
Weighted percentage of Course Contribution to PSOs	3	3	3	2.4	2.4

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE2C2	**STATISTICS FOR ECONOMICS-II**	Core-IV		T			5	5	25	75	100

	Learning Objectives
C1	To understand the various methods of index numbers and its applications
C2	To analyse the components and measurement of time series data
C3	To know the theories of probability and its applications
C4	To probe the research design and sampling methods
C5	To acquire knowledge on the application of test of Hypotheses in Research

	Contents	No. of Hours
UNIT I	**Index Numbers** Index Numbers – Methods – Unweighted and Weighted Index Numbers – Aggregate and Relative Index Numbers – Chain and Fixed based Index Numbers – Test of Adequacy of Index Numbers – Wholesale Price Index – Consumer Price Index – Cost of Living Index.	15
UNIT II	**Time Series Analysis** Definition– Components and Measurement– Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares – Uses of Time Series Analysis.	15
UNIT III	**Theory of Probability** key Concepts of Probability – Importance – Theorems of Probability: Addition, Multiplication and Bayes' Theorem - Discrete and Continuous Random Variables – Theoretical Distributions – Binomial, Poisson and Normal – Properties- Uses and Applications.	15
UNIT IV	**Sampling** Sampling – Census and Sample Method – Theoretical Basis of Sampling – Methods of sampling – Random and Non –Random Sampling - Size of Sample – Merits and Limitations of Sampling – Sampling and Non- Sampling Errors.	15
UNIT V	**Testing of Hypothesis** Hypothesis Testing – Meaning, Types, Sources and Functions of Hypothesis – Test: Null and Alternative Hypothesis – Type – I and Type – II Errors– 't' Test – Paired 't'-test – Chi –Square test, 'F' test –Analysis of Variance - One way and Two-way ANOVA.	15
	Total	**75 hours**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Gain Knowledge on the Index Numbers	PO1, PO2,PO3
2	Analyze the importance of Time Series Data and its measurement	PO1,PO2,PO3
3	Understand the concept of Probability	PO2
4	Identify the various Sampling Methods	PO1, PO2
5	Acquire Knowledge on Hypothesis Testing	PO2,PO3,PO7,PO8

Textbooks

1	S.P Gupta, (2017) "Statistical Methods", Sultan Chand & Sons.
2	Anderson, Sweeney and Williams(2012), "Statistics for Business and Economics Cengage,2012.
3	Pillai R.S.N. &BagavathiV (2012) "Statistics :Theory and Practice" S.Chand&CompanyLtd. New Delhi.
4.	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.
5.	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.

Reference Books

1.	Anderson, David Ray, "Statistics for Business and Economics", South-Western Pub,2001.
2.	Sancheti and Kapoor, Statistics, (2015) Sultan & Sons New Delhi.
3.	Gupta S.C. Statistical Methods (2015) Sultan & sons New Delhi.
4.	Monga G.S. "Mathematics and Statistics for Economics" (2001), Vikas Publishing House Pvt.Ltd New Delhi.
5.	Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002)

Web Resources

1.	https://stattrek.com/statistics/resources
2.	https://www.cuemath.com/data/f-test/
3.	https://www.statistics.com/
4.	https://thisisstatistics.org/students/
5.	https://oli.cmu.edu/courses/probability-statistics-open-free/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	2	2	2	3	2	3	3
Weightage	15	14	14	14	14	14	14	15
Weighted percentage of course contribution to POS	3.00	2.8	2.8	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to PSOs	3	3	3	3	3

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE2S1	**ECONOMICS FOR INVESTORS**	SEC-2		T			2	2	25	75	100

	Learning Objectives
C1	To understand concepts of saving and investments
C2	To probe the various investment avenue and its practice applications
C3	To enables various investment markers and its features
C4	To Know the economic fundamentals and the Business Environment
C5	To understand various investment methods and its strategies

	Contents	No. of Hours
UNIT I	**Introduction** Saving and Investments – Meaning – Types - Importance – Role of Savings and Investment on the development of Individuals- Distributional Role of Investment – Income and Wealth – Equitable Distributional Role	15
UNIT II	**Investment Avenues** Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment -Insurance -Mutual Funds -Traded Funds.	14
UNIT III	**Investment Markets** Capital Market – Share Market – Primary and Secondary – Bond Markets- Money Market – Metal Market - Commodities Markets – Foreign Exchange Market - Hedging - Futures and Options	16
UNIT IV	**Economic fundamentals for Investors** Domestic Economic Environment: Economic Growth and Development – National Income – Per Capita Income, Unemployment – Taxes, Trade Cycle – Infrastructure – Physical and Economic. Political and Social Environment- International Economic Environment: International Economic Growth and Development, Trade, Foreign Exchange - Global Recession- Oil Market – War Between Countries	15
UNIT V	**Investment Methods and Strategies.** Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the types and importance of savings and investments.	PO1
2	Explain the available for investment avenues	PO2
3	Understand the operations of different types of investment markets.	PO1,PO2
4	Evaluate the economic fundamentals and information.	PO1,PO3
5	Construct objective enabling investment plans, strategy, evaluate and restructure if required.	PO2,PO3,PO4

Textbooks	
1	Ken McElroy, (2004) The ABCs of Real Estate Investing, Hachette Book Group USA
2	Esme Faerber (2013), All about Stocks ,TataMGraw Hill, New Delhi
3	Christopher D. Piros, Jerald E. Pinto(2013), "Economics for Investment Decision Makers:Micro, Macro, and International Economics, Workbook", Wiley, 2013
4.	John Calverley, "The Investor's Guide to Economic Fundamentals", Wiley, 2003
5	Howards Marks, Mastering The Market Cycle:Getting the Odds on Your Side", John Murray Press, 2018

Reference Books	
1.	Robert T. Kyosaki,(2014) Guide To Investing Business Plus ISBN: 9780446589161
2.	BenjamineGraham(1949), The Intelligent Investor, Harper&Brothers
3.	Mary Buffett and David Clark(2002), The New Buffettology (Simon and Schuster)
4.	John C Bogle(2017) The Little Book of Common Sense Investing:The Only Way to Guarantee Your Fair Share of Stock Market Returns, Wiley Publications
5.	William J. O' Neil (2009) How to Make Money in Stocks: A Winning System in Good Times and Bad, Fourth Edition McGraw Hill Education

Web Resources	
1.	https://www.capitalmarket.com/
2.	https://www.icmagroup.org/
3.	https://www.nseindia.com
4.	https://www.stockbrokers.com/guides/beginner-investors
5.	https://www.nasdaq.com/articles/10-best-stock-trading-websites-for-beginners

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	14	15	15	14	14	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	3.0	2.8	2.8	3.0	3.00

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

Level of Correlation between PSO's and CO's

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

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

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst.	CIA	Exter-	Total
									Marks		
23BAE2S2	**COMPUTER APPLICATIONS IN ECONOMICS**	SEC-3		T			2	2	25	75	100

	Learning Objectives
C1	To know the basic concepts of Computer Applications
C2	To apply the MS office and its basic operations
C3	To describes the data processing techniques using various MS office operations
C4	To gain knowledge on application of MS Excel
C5	To know mathematical and statistical functions for Economic Analysis

	Contents	No. of Hours
UNIT I	**Introduction to Computers** Computer and Peripherals: Meaning, Types, Features and Limitations– Basic Components – Input and Output Devices – Primary Memory and Secondary Storage – Computer Software– Types – Malicious Software –Operating Systems: Functions and Types.	15
UNIT II	**MS Office** Windows Explorer - MS Word: Basic Operations in Word – Editing– Formatting – Text Creation of Tables and Volumes - MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting.	15
UNIT III	**Data Processing** Data Processing Techniques using MS Excel: Concept of Data – Record and File – Types of Data – Data Entry – File Handling and Operations–Opening, Appending and Cascading – Closing and Attribute Controls – Data Storage and Retrieval.	12
UNIT IV	**Introduction to MS Excel** Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs.	15
UNIT V	**Application of MS Excel in Statistics and Economics** Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance- Index Numbers and Growth Rates - Demand Function - Supply Function, Production Function and Consumption Function - Demand for and Supply of Money- Correlation – Regression.	18
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand basic components of Computer and its functions.	PO1, PO3,PO8
2	Gain Knowledge of MS Office.	PO3,PO8
3	Outline data processing techniques of MS Excel.	PO2,PO3,PO8
4	Understand basic Operation in MS Excel.	PO1,PO2,PO8
5	Apply MS Excel in Statistics and Economics.	PO2,PO3,PO8

Textbooks

1	Hem Chand Jain and H.N.Tiwari (2019) Computer Applications In Business ,5thEdition Taxmann Publication.
2	Dhanasekaran.K(2010) Computer Applications In Economics Vrinda Publications.
3	Asthana and Braj Bhushan (2007):Statistics for Social Sciences (with SPSS Applications).
4.	Dan Kookin, "Word for Dummies", Wiley, 2021
5.	Joseph Muller, "Statistical Analysis with Excel For Dummies", Wiley, 2008

Reference Books

1.	Oscar Afonso , Paulo B. Vasconcelos, Computational Economics: A Concise Introduction, Routledge; 1stEdition
2.	Alexis Leon and Mathews Leon; (2001), Introduction to Computers with Ms-Office 2000.McGraw Hill Education
3.	Greg Harvey, PhD, (2007) Microsoft Office Excel 2007 For Dummies, Wiley Publishing.
4.	Kerns (1992) Essentials of Microsoft Windows, Word and Excel, Prentice Hall
5.	Kavindra Kumar Singh (2014) Computer Applications in ManagementDreamTech

Web Resources

1.	https://www.excel-easy.com/basics.html
2.	https://excelchamps.com/excel-basics/
3.	https://edu.gcfglobal.or/en/topics/excel/
4.	https://trumpexcel.com/learn-excel/
5.	https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	2	3	3	3	3	3
Weightage	15	14	14	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	3.0	3.0	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	3	3
CO2	2	2	2	3	3
CO3	2	2	2	3	3
CO4	2	2	2	3	3
CO5	3	3	3	3	3
Weightage	11	11	11	15	15
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.2	3	3

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

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE3C1	**MACRO ECONOMICS-I**	Core -V		T			5	5	25	75	100

	Learning Objectives
C1	To understand the national income and its related concepts
C2	To analyse the classical theory of full employment and its advantages
C3	To illustrate the Keynesian under employment theory and its applications
C4	To evaluate the theories of Consumption and its types
C5	To impart students to understand inflation and its types

	Contents	No. of Hours
UNIT I	**National Income** National Income: Definition –Concepts: GDP,GNP and Per Capita Income- National Income Measurement: Expenditure, Income and Value Added Approaches- Real and Nominal GDP – National Income Accounting - GDP Deflator – Green GDP – Happiness Index - Circular Flow of Income and Expenditure	15
UNIT II	**Full Employment: Classical Theory** Introduction - Aggregate Demand and Aggregate Supply – Assumptions of Classical Theory – Say's Law – Wage and Price Flexibility - Employment and Output determination in Classical Model -Three Ranges in Aggregate Supply (AS)Curve	15
UNIT III	**Under Employment: Keynesian Theory** Keynes's Critique of Classical Theory – Involuntary Unemployment – Underemployment Equilibrium- Effective Demand – Components - Wage Rigidity – Liquidity Preference - Consumption Function: Meaning and Attributes - Investment – Marginal Efficiency of Capital-Multiplier.	18
UNIT IV	**Theories of Consumption** Keynesian Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis – Friedman's Permanent Income Hypothesis – Modigliani's Life Cycle Hypothesis.	15
UNIT V	**Inflation** Inflation: Definition and Types -Demand Pull -Cost Push and Mark-up Inflation– Consumer Price Index – Wholesale Price Index – Producer Price Index – Headline and Core Inflation- Phillips Curve.	12
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand the structure of Macroeconomics and the Concept of GDP	PO1,PO2,PO3
2	Outline the concepts in Classical Theory of Employment	PO1,PO2
3	Analyse the Keynesian Underemployment Theory	PO1,PO2
4	Examine the theories of Consumption Function	PO1,PO2, PO3
5	Understand the types and the impact of Inflation on Economies	PO2,PO3,PO8
Textbooks		
1	Mankiw. N Gregory (2000), Macroeconomics, Worth Publishers, New York	
2	VaishM.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi	
3	Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher	
4	H.L. Ahuja, Macro Economics: Theory and Policy S.Chand, 2016	
5	Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.	
Reference Books		
1.	RudigerDornbusch , Stanley Fischer, and Richard Startz (2000), Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.	
2.	Parkin, M., 2014. Macro Economics. 11th Edition. Essex: Pearson	
3.	Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.	
4.	Mueller, M.G. (Ed.) (1978), Readingsin Macroeconomics, Surjeet Publications, New Delhi	
5.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt Ltd., Singapore.	
Web Resources		
1.	http://www2.econ.iastate.edu/tesfatsi/sources.htm	
2.	https://www.khanacademy.org/economics-finance-domain/macroeconomics	
3.	https://www.econlib.org	
4.	https://economics.mit.edu/	
5.	https://hbswk.hbs.edu/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	3	2	3	3	3	3	3
Weightage	14	15	14	15	14	15	15	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	3.0	3.0	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	3	3	3	2	2
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	12	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.6	2.2

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

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE3C2	**MATHEMATICS FOR ECONOMICS**	Core-VI		T			5	5	25	75	100

	Learning Objectives
C1	To integrate the concepts of Economics with Mathematical tools.
C2	To use Matrices to find solutions in Economics.
C3	To apply the applications of Matrix algebra and its uses
C4	To know the differentiation and its function
C5	To understand the second order derivatives and its maxi mini function

	Contents	**No. of Hours**
UNIT I	**Introduction** Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics	12
UNIT II	**Matrix Algebra and Determinants** Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose – Determinants, Inverse and Properties (Problems).	15
UNIT III	**Applications of Matrix Algebra** Solving a system of Linear Equations – Cramer's Rule and Matrix Inverse Method- Leontief's Input-Output Model – Open and Closed Model- Components, Uses, and Limitations- Hawkins – Simon Conditions for Viability of Input and Output Model (Problems).	18
UNIT IV	**Differentiation** Limits and Continuity –Differentiability of a Function – Slope of a Curve – Increasing and Decreasing Functions – Rules- Exponential and Logarithmic Functions -Implicit Differentiation– Economic Applications: Marginal and Elasticity Concepts – Relationship between AR, MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost.	15

UNIT V	**Optimization (Single Variable)** Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization -Cost Minimization – Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems).	15
	Total	**75**

	Course Outcomes	**Programme Outcomes**
CO	On completion of this course, students will	
1	Understand Basic Concepts of Mathematics and its application in Economics.	PO1,PO3
2	Analyze the relevance of the Types of Matrices	PO1,PO2
3	Calculate optimal values in the system of Equations and the importance of Input-Output Analysis	PO2,PO3
4	Gain knowledge of the rules of Differentiation and its Economic Applications	PO1,PO2, PO3
5	To optimize single variable functions in Economics	PO1,PO3
	Textbooks	
1	Mehta and Madnani (2019) Mathematics for Economists Sultan Chand and Sons	
2	Edward T. Dowling,(2002) "Mathematical Methods for Business and Economics", Schaum's Outline Series, 3rd Edition, Mc Graw Hill	
3	Renshaw Geoff, (2005) Maths for Economics, 3rd Edition Oxford University Press, Oxford	
4	Carl P Simon & Lawrence E. Blume,"Mathematics for Economists", Published by W. W. Norton & Company,2010	
5	Ian Jacques, "Mathematics for Economics and Business", Pearson, 2018	
	Reference Books	
1.	Chiang, A. C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 1984	
2.	G. Hadley, Linear Algebra Addison – Wesley Publishing Company, 1977.	
3.	K. Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.	
4.	Mabett. Alan J Workout for Mathematics for Economist McMillan 1986.	
5.	R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co.Ltd.,2008	
	Web Resources	
1.	https://www.coursera.org/learn/mathematics-for-economists	
2.	https://mitpress.mit.edu/9780262294805/mathematics-for-economics/	
3.	https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf	
4.	https://mitpress.mit.edu/9780262046626/mathematics-for-economics/	
5.		

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	3	3	3	3	3	3
Weightage	15	14	15	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	3.0	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2
CO2	3	3	2	2	2
CO3	3	3	2	2	2
CO4	3	3	3	2	3
CO5	2	2	3	3	3
Weightage	14	14	12	11	12
Weighted percentage of Course Contribution to PSOs	2.8	2.8	2.6	2.2	2.6

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

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE3S1	ENTREPRENEURIAL ECONOMICS	SEC-4		T			2	2	25	75	100

	Learning Objectives	
C1	To describes the factors influencing entrepreneurship	
C2	To know the various theories of motivation and its advantages	
C3	To Identify the opportunities to create value for others	
C4	To evaluate the creativity and entrepreneurship.	
C5	To analyse the sources of finance for business.	

	Contents	No. of Hours
UNIT I	**Introduction** Entrepreneurship: Meaning and Importance - Evolution of term 'Entrepreneurship' - Factors influencing Entrepreneurship: Psychological, Social, Economic and Environmental - Characteristics of an Entrepreneur - Types of Entrepreneurs- New Generations of entrepreneurship - Barriers to entrepreneurship	15
UNIT II	**Entrepreneurial Motivation** Motivation: meaning and Definition – Theories of Motivation: Maslow's, Herzberg's, McGregor's and Achievement Theory - Culture & Society - Values / Ethics – Risk-taking behaviour	12
UNIT III	**Creativity and entrepreneurship** Creativity and entrepreneurship - Steps in Creativity - Innovation and inventions - Legal Protection of innovation - Skills of an Entrepreneur - Decision making and Problem Solving (Steps in Decision Making)	18
UNIT IV	**Sources of Finance** Sources of Finance: Long term Sources -Equity Shares, Preference Shares and debentures- Kinds Private Placements- IPO-SEBI- FDI- Institutional Finance - Banks - IDBI, IFCI, IIBI, ICICI, SIDBI, SFCs in India - Merchant Banks in India - NBFCs in India	15
UNIT V	**Rules and Legislation** Industries Development (Regulations) Act, 1951 - Factories Act 1948 - The Industrial Employment (Standing Orders) Act - Environment (Protection) Act, 1986 - The Sale of Goods Ac, 1950 - Industrial Disputes Act 1947	15
	Total	**75 hours**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Explain the importance and factors influencing entrepreneurship	PO1,PO2
2	Understand and apply entrepreneurial theory using lean start-up principles.	PO1,PO2
3	Recognize and evaluate Creativity and entrepreneurship	PO1, PO4
4	Understand the Various sources of Finance available for entrepreneur	PO1
5	Know the Applicability of Legislation and Rules	PO6
Textbooks		
1	Desai, V. (2009). Dynamics of Entrepreneurial Development and Management. Himalaya Publishing House.	
2	Srinivasan, N. P., & Gupta, G. P. (2001). Entrepreneurial Development". *Sultan* Chand and Sons, New Delhi	
3	Simon. C Parker, "The Economics of Entrepreneurship", Cambridge University Press, 2009	
4	K. Glancey, R. McQuaidand Jo Campling,"Entrepreneurial economics", PalgraveMacmillan UK, 2000	
5	Akland Alexander Tabarrok, "Entrepreneurial Economics", Oxford University Press, 2002	
Reference Books		
1.	Glancey, K., McQuaid, R., &Campling, J. (2000), Entrepreneurial Economics. London: Macmillan.	
2.	Casson, M., & Buckley, P. J. (2010). Entrepreneurship, Edward Elgar Publishing.	
3.	Parker, S. C. (2018). The Economics of Entrepreneurship. Cambridge University Press.	
4.	Harper, D. A. (2003). Foundations of Entrepreneurship and Economic Development. Routledge	
5.	Khanka, S. S. (2006). Entrepreneurial Development. S. Chand Publishing.	
Web Resources		
1.	https://www.startupindia.gov.in/	
2.	https://www.ediindia.org/	
3.	https://skillindia.gov.in/	
4.	https://www.startupindia.gov.in/	
5.	https://indianstartups.com/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	2	3	3	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	3.0	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	2
CO2	2	2	3	3	2
CO3	3	3	3	3	2
CO4	2	2	2	2	2
CO5	2	2	3	2	3
Weightage	11	11	14	12	11
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.8	2.6	2.2

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

SECOND YEAR-SEMESTER - III

	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE3S2	**EVENT MANAGEMENT (ENTREPRENEURIAL SKILLS)**	SEC-5		T			2	2	25	75	100

	Learning Objectives	
C1	To equip students on the various facets of Event Management.	
C2	To provide students event management as a career option.	
C3	To understand the committees in managing events and its safety	
C4	To learn about celebrity management	
C5	To know the event management in India and its operations	

	Contents	No. of Hours
UNIT I	**Introduction** Event Management – Definition –objectives –Classification and Types of Events- Career Options	15
UNIT II	**Event Management Strategy** **Process -**Target Audience –Creativity - Purpose – Costs -Event Budget-Network with Suppliers- Creation of Social Media Accounts	15
UNIT III	**Committees in Managing Events** Organising Committee- Event Scheduling -Venue Selection- Recruitment of Event Staff-Event Safety-Emergency Planning and Checklist	15
UNIT IV	**Celebrity Management** Issues and Challenges -Cost Management and Budget – Confidentiality- Crowd Management	15
UNIT V	Event Management Industry in India- Leading Event Management Companies	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On Completion of the course ,students will	
1	Understand the growing importance of event industry	PO1, P02
2	Analyse the process involved in the event management industry and career Options	PO2, PO3
3	Gain Knowledge on the various Committees involved	PO1,PO2,PO3
4	Review how to manage celebrities	PO2, PO6
5	Examine the Growth process of event Management industry in India	PO1, P02, PO6

Textbooks	
1	Lynn Van Der Wagen & Brenda R Carlos Event Management
2	Bhavana Chaudhari Dr. Hoshi Bhiwandiwalla(2019) A book of Event Management Kindle Edition,Nirali Prakashan Publishers
3	Alex Genadinik Event planning -management & marketing for successful events, Alex Genadinik publisher 2015
4	Charles Bladen, James Kennell, Emma Abson and Nick Wilde, "Events Management: An Introduction",Talyor and Francis, 2017
5	Bernadette Quinn, " Key Concepts in Event Management", Sage Publication, 2013
Reference Books	
1.	Abhijeeth Bhattacharje(2020) Event Management :A zero Investment Startup Business Kindle Edition
2.	William O'Toole(2021)Events Feasibility and Development From Strategy to Operations Routledge
3.	Julia Rutherford Silvers, William O'Toole(2020)Risk Management for Events, Routledge
4.	Anukrati Sharma, Shruti Arora(2018)Event Management and Marketing: Theory, Practical Approaches and Planning ,.Bharti Publications
5.	Allen, J. et al., 2011. Festival & Special event management. 5th edition. John Wiley & Sons: Brisbane
Web Resources	
1.	https://www.careerlauncher.com/rbi-grade-b/wto/
2.	https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf
3.	https://www.bizzabo.com/blog/event-planning-websites/
4.	https://www.tantraa.net/
5.	https://eventplanningblueprint.com/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	13	15	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	2.6	3.0	3.0	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	2
CO2	2	2	2	2	2
CO3	2	2	2	2	2
CO4	1	1	1	1	2
CO5	2	2	2	2	2
Weightage	9	9	9	9	10
Weighted percentage of Course Contribution to PSOs	1.8	1.8	1.8	1.8	2

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

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE4C1	**MACRO ECONOMICS – II**	Core - VII		T			4	4	25	75	100
Learning Objectives											
C1	To analyse the IS-LM model and its shifts										
C2	To probe the macro economic variables and business cycle										
C3	To trace the macroeconomic theories and analyze the macroeconomic policies.										
C4	To understand the monetary policy and its instruments.										
C5	To know the fiscal policy and its instruments.										

	Contents	No. of Hours
UNIT I	**IS-LM Model** Investment and Interest Rate – Money Demand, Money Supply and the interest rate – Derivation of IS and LM Curve – Shifts in IS Curve and Shifts in LM Curve.	15
UNIT II	**Business Cycles** Phases of Business Cycles – Macroeconomic Variables and Business Cycles – Classical Theory and Business Cycles – Hawtrey, Von Hayek, Schumpeter Hicks, Kaldor and Samuelson Models – Keynesian theory of Business Cycles	15
UNIT III	**Monetary Policy** Money - Functions of Money - Money Supply and Money Demand – Classical Dichotomy – Keynesian theory of Money Demand –Instruments of Monetary Policy-IS-LM Model and Monetary Policy	15
UNIT IV	**Fiscal Policy** Fiscal Policy -Instruments- Classical and Keynesian Theory of Fiscal Policy– Fiscal Expansion – IS-LM Model and Fiscal Policy – Critique of Fiscal Policy – Three Ranges in LM Curve.	15
UNIT V	**Supply Side Economics** Rational Expectation Hypothesis – New Classical School – Contribution of Robert Lucas – New Keynesian School.	15
	Total	**75 hours**

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the IS-LM Model.	PO1,PO2
2	Learn the operation of theories of Business Cycles.	PO2,PO3
3	Analyze the components of Money Supply and Demand.	PO3,PO4
4	Evaluate the effectiveness of Fiscal Policy.	PO3,PO4
5	Understand Supply Side Economics.	PO1,PO2
Textbooks		
1	Mankiw Gregory (2017) Principles of Macroeconomics with coursemate, Books Express Publications.	
2	Rudiger Dornbusch, FischerStanely, and Richard Startz (2000), Macro Economics, tata McGraw-Hill publishing company, New Delhi	
3	Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.	
4	Vaish M.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi	
5	Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher	
Reference Books		
1.	Ahuja H.L, (2016) Macroeconomics: Theory and Policy. S. Chand	
2.	Mueller, M.G. (Ed.)(1978), Readings in Macro Economics, Surjeet Publications, New Delhi	
3.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore	
4.	Parkin, M., 2014. Macroeconomics 11th Edition Essex: Pearson Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.	
5.	Soumen Sikdar,"Principles of Macroeconomics", OUP India, 2020	
Web Resources		
1.	https://tradingeconomics.com	
2.	https://www.bu.edu/econ/files/2014/08/DLS1.pdf	
3.	https://www.imf.org	
4.	https://www.aeaweb.org/resources/students	
5.	https://www.worldbank.org/en/topic/macroeconomics	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	3.0	2.8	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	2
CO4	3	2	3	2	3
CO5	3	3	2	3	3
Weightage	15	14	13	12	12
Weighted percentage of Course Contribution to PSOs	3	2.8	2.6	2.4	2.4

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

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE4C2	INDIAN ECONOMY	Core-VIII		T			4	4	25	75	100

	Learning Objectives	
C1	To understand the features and issues of Indian economy and new economic policy	
C2	To analyse the national income, poverty and human development and its method	
C3	To equip conceptual foundations and macroeconomic concepts of Indian Economy	
C4	To describe the Trends in Production and Productivity in Agriculture	
C5	To know the importance of Foreign Trade for a Developing Economy	
	Contents	No. of Hours
UNIT I	**Introduction to Indian Economy** Features and Issues of Indian Economy - Planned Economic Development in India - Achievements and Failures of Planning in India – Economic Crisis and Rationale behind Economic Reforms – New Economic Policy (LPG) 1991 – NITI Aayog	15
UNIT II	**National Income, Poverty and Human Development Index** National Income – Sectoral Contributions and Economic Transition in India – Poverty and Inequality – Definition and Estimates, Gini Coefficient, Sen Index, Poverty Line - Income and Regional Inequalities: Causes and Measures, Unemployment: Nature and Extent, Measures – HDI – International Comparisons.	15
UNIT III	**Sectors of the Indian Economy** Indian Agriculture – Trends in Production and Productivity – Land Reforms – Green Revolution - Agricultural Pricing - Agricultural Marketing – Food Security - Industrial Development – Trends and Problems, MSMEs – Industrial Policy 1991 and Recent Developments - Overview of Service and Financial Sectors in India – Importance – Expansion of Private Banks.	14
UNIT IV	**Foreign Trade** Importance of Foreign Trade for a Developing Economy-Composition and Direction of India's Foreign Trade- Role of FDI and Foreign Institutional Investors- BOP Crisis - India's Trade Policy.	16
UNIT V	**Fiscal Federalism** Principles of Federal Finance – Fiscal Federalism in India – Functions and Sources of Revenue – Vertical and Horizontal Imbalances – Finance Commission – Reports and its Recommendations.	15
	Total	

Course Outcomes		ProgrammeOutcome
CO	On completion of this course, students will	
1	Outline the nature of the Indian Economy and highlight the changes	PO1,PO2
2	Discuss the major issues of Poverty, Inequality, Unemployment, and Human Development in India in comparison to other countries	PO6, PO8
3	Provide a qualitative and quantitative overview of different sectors of the Indian Economy	PO1,PO2,PO3
4	Describe the components of Foreign Trade and analyze India's Balance of Payments	PO1,PO2,PO3
5	Identify various components of fiscal federalism in India	PO1,PO2
Textbooks		
1	Gaurav Datt and Ashwani Mahajan "Datt and Sundaram's Indian Economy" S.Chand 72nd Edition.	
2	Kaushik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.	
3	Ramesh Singh, "Indian Economy", Mc Graw Hill, 2022	
4	Sanjiv Verma, "The Indian Economy", Unique Publication, 2022	
5	Dr. V.C Sinha,"Indian Economy Performance and Policies", SBPD Publications,2021	
Reference Books		
1.	Puri. V.K & S.K. Misra (2022) Indian Economy	
2.	Uma Kapila (Ed.) (2018) Indian Economy Since Independence	
3.	Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi	
4.	Ashima Goyal(Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press	
5.	K. R. Gupta, J. R. Gupta, " Indian Economy", Altanic, 2008	
Web Resources		
1.	http://www.niti.gov.in/	
2.	https://www.rbi.org.in/	
3.	https://hdr.undp.org/	
4.	https://www.india.gov.in/	
5.	https://www.cmie.com/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	2	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	1
CO2	3	3	2	3	2
CO3	2	3	2	3	3
CO4	2	3	3	3	3
CO5	1	3	3	3	2
Weightage	10	15	12	15	11
Weighted percentage of Course Contribution to PSOs	2	3	2.4	3	2.2

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE4S1	**BASIC ACCOUNTANCY**	**SEC-6**		T			2	2	25	75	100

	Learning Objectives	
C1	To provide an understanding on the basic concepts in Financial Accounting	
C2	To equipped with basic knowledge about Tally.	
C3	To describe the Final Accounts and Balance Sheet Adjustment	
C4	To understand the bank Reconciliation Statement and its uses	
C5	To use the Tally Software and its applications	
	Contents	**No. of Hours**
UNIT I	**Introduction to Accounting** Definition – Objectives – Functions- Advantages and Disadvantages- Single Entry Book Keeping and Double - Entry Book Keeping.	15
UNIT II	**Accounting -Books and Records** Journal – Ledger- Subsidiary Book- Cash Book- Trial Balance – Meaning- Methods of Preparation – Errors- Classification of Errors- Rectification of Errors.	15
UNIT III	**Final Accounts** Final Accounts- Preparation of Trading- Profit and Loss Account- Balance Sheet (Simple Adjustments).	18
UNIT IV	**Bank Reconciliation Statement** Bank Reconciliation Statement – Need - Meaning- Method of Preparation of Bank Reconciliation Statement	15
UNIT V	**Tally Software** Introduction to Accounting Package – Tally- Meaning, Features, Advantages, Data Entry, Formatting Data , Functional Keys and Simple Calculation- Tally: **(Theory for Exam)**	12
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Basic Concepts of Accounting and prepare Book keeping.	PO1,PO3
2	Make Journal and Ledger and Categorize the various subsidiary books of accounts and identify & rectify errors	PO1,PO3
3	Prepare Profit and loss account and Balance Sheet	PO1, PO2,PO3
4	Tabulate Bank Reconciliation Statement.	PO2,PO3
5	Apply Tally Software Package in Accounting	PO3,PO8
Textbooks		
1	Reddy. T.S and Hari Prasad Reddy. Y(2013) Financial and Management Accounting Margham Publications Chennai	
2	Reddy .T.S Murthy(2012) Financial Accounting Margham Publications Chennai	
3	Rajni Sofat, Preeti Hiro,"Basic Accounting", PHI Learning, 2010	
4	Nishat Azmat, Andy Lymer, "Basic Accounting", Mobius, 2016	
5	John J. Wild, Barbara Chiappetta, Ken Shaw, "Fundamental Accounting Principles", Mc Graw Hill, 2016	
Reference Books		
1.	Mukesh Mahajan, P.S.Gills, V.P.Sharma and H.S.Punia(2001), Fundamentals of Accountancy, Unistar Books, Chandigarh.	
2.	Sundeep Sharma (2004) Principles of Accounting, Shree Niwas Publication, Jaipur	
3.	Shukla M.C, T.S. Grawal and S.C. Gupta, (2018),Advanced Accounts,S.Chand and Company	
4.	Maheshwari S.N and Suneel.K.Maheshwari, (2018), Financial Accounting Vikas Publishing House.	
5.	Goyal V.K and Ruchi Goyal, (2012), Financial Accounting, Prentice Hall India Learning Private Limited.	
Web Resources		
1.	https://www.accounting.com/resources/students/	
2.	https://icmai.in.	
3.	https://www.cipfa.org	
4.	https://www.accountingcoach.com/	
5.	https://www.youtube.com/watch?v=OItO9XwgHlI	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	1
CO2	2	2	3	2	2
CO3	3	2	3	2	2
CO4	2	2	3	2	2
CO5	2	2	3	2	2
Weightage	11	10	15	10	9
Weighted percentage of Course Contribution to PSOs	2.2	2	3	2	1.8

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

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE4S2	**Modern Banking and Insurance**	SEC-7		T			2	2	25	75	100

	Learning Objectives
C1	To discern the modern banking and insurance course
C2	To enables the learners understand new financial instruments and banking practices
C3	To know the role of insurance in economic development
C4	To understand the insurance contract and risk management
C5	To know the Major Insurance Legislation in India and its growth

	Contents	No. of Hours
UNIT I	**Banking** Commercial Banks- Functions of Commercial Banks- Private and Public Sector Banks- Credit Creation - Commercial Banks's role- Payment Banks- functions- Digital Banking-Tools – Methods	14
UNIT II	**Central Banks** Functions of a Central Bank – Objectives of Monetary Policy – Effects and Limitations – Narasimhan Committee Report.	15
UNIT III	**Introduction to Insurance** Insurance: Meaning and Types- Role of Insurance in Economic Development -Saving and Investment Aspects – Social Vs Private Insurance: Life Vs Non-Life Insurance. Classification of Life, Health and General Insurance Policies.	16
UNIT IV	**Insurance Contract and Risk Management** Meaning of contract- Insurable Interest- Utmost good faith- Principle of Indemnity and other Principles-Risk Management: Definition and Types- Management of Risk through Identification Analysis and Control.	15
UNIT V	**Insurance Business in India** Major Insurance Legislation- Growth of Industry- Agricultural Insurance- Health Insurance- Reinsurance- Entry of Private Insurance Companies- Insurance Act. LIC Act, GIC Act. IRDA Act.	15
	Total	75

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Recollect the financial tools and methods of banking operations	PO1,PO2
2	Understand and describe the central banking operations.	PO1,PO2
3	Explain various types of insurances in Practice	PO1, PO4
4	Evaluate the insurance policies and recommend the right policies for use.	PO1, PO2,PO4,PO7
5	Evaluate the macro level implications of the various insurances.	PO1,PO3,PO8
Textbooks		
1	Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi	
2	Heffernan, S. (2005). Modern Banking. John Wiley & Sons	
3	Tyagi, C. L., & Tyagi, M. (2007). Insurance Law and Practice. Atlantic Publishers & Dist.	
4	J. N. Jain, "Modern Banking and Insurance : Principles and Techniques", Regal publications, 2008	
5	Prasada & Radhika Rao, "Trends of Modern Banking", BSP Publication, 2016	
Reference Books		
1.	Finsinger J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation: A Cross National Study, Macmillan London.	
2.	Sethi, J., & Bhatia, N. (2012). Elements of Banking and Insurance. PHI Learning Pvt. Ltd..	
3.	Lewis, M. K. (1992). Modern Banking in Theory and Practice. Revue Economique, 203-227.	
4.	Tripathy, N. P., & Pal, P. (2005). Insurance: Theory and practice. PHI Learning Pvt. Ltd.	
5.	Muraleedharan, D. (2014). Modern Banking: Theory and Practice. PHI Learning Pvt. Ltd..	
Web Resources		
1.	https://www.irdai.gov.in	
2.	https://rbi.org.in	
3.	https://www.studocu.com	
4.	https://www.indiapost.gov.in/Financial/Pages/Content/pli.aspx	
5.	https://licindia.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	2	2	3	3	2
CO4	3	3	3	3	3
CO5	3	3	3	2	2
Weightage	14	14	15	13	11
Weighted percentage of Course Contribution to PSOs	2.8	2.8	3	2.6	2.2

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

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE5C1	**MONETARY ECONOMICS**	**Core IX**		T			4	5	25	75	100

	Learning Objectives	
C1	To understand the theories that governs and its application	
C2	To explains working of the Monetary System and its uses	
C3	To know the Role of Commercial Banks after Nationalisation and its operations	
C4	To compare the monetarism and Keynesianism	
C5	To identify the role of central banks and its operations	
	Contents	**No. of Hours**
UNIT I	**Money** Definition, functions, Importance-Forms of Money- Supply of Money (M1, M2, M3, M4)-Crypto Currencies.	15
UNIT II	**Demand for Money** Demand for Money: Classical, Keynesian and Baumol's Inventory theoretic Approach- James Tobin's Portfolio Approach - Milton Friedman's Reformulated Quantity Theory.	15
UNIT III	**Monetarism Vs Keynesianism** Monetarism Vs Keynesianism- Comparison- Determinants of Money Supply – Money Multiplier. Supply Side Policies of Inflation.	15
UNIT IV	**Commercial Banks** Commercial Banks - Credit Creation – Role of Commercial Banks after Nationalisation- RBI's role in Commercial Banks - Narasimhan Committee Report.	15
UNIT V	**Monetary Stability and Central Bank** Inflation and Deflation: Definition, Types, Causes and Effects- Demand-Pull and Cost-Push Inflation- Central Bank Functions - Reserve Bank of India (RBI) -Monetary Policy and its Operations in India.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge of Money and its Functions.	PO1,PO2
2	Understand the Demand for Money and its Determinants.	PO1,PO2
3	Acquire information on Supply of Money and its Determinants.	PO1,PO2
4	Understand operations of Commercial Banks and Money Multiplier.	PO1,PO2,PO3
5	Identify the Monetary Policy Implications	PO1,PO2,PO8
Textbooks		
1	Gupta R.D. (1995), Keynes and Post Keynesian Economics, Kalyani Publishers, New Delhi.	
2	Jhingan M. L. (2004), Monetary Economics, Konark Publication, New Delhi.	
3	Jagdish Handa, "Monetary Economics", Talyor & Francis, 2008	
4	L. Blume, Steven Durlauf, " Monetary Economics", Palgrave Macmillan, 2016	
5	Keith Bain, Peter Howells, "Monetary Economics:Policy and Its Theoretical Basis"", Macmillan, 2009	
Reference Books		
1.	Vaish M.C. (2004), Money, Banking and International Trade, New Age International (P) Ltd, New Delhi.	
2.	Sundaram K.P.M. (1996), Money, banking and International Trade, Vikas, New Delhi.	
3.	Basil J. Moore (1965), An Introduction to the theory of Finance, Oxford University Press.	
4.	Sethi, T.T. (2003). Monetary Economics: S. Chand and Co., New Delhi	
5.	Ghosh, B.N. and Rama Ghosh. (1989). Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai	
Web Resources		
1.	www.rbi.org.in	
2.	https://www.imf.org	
3.	https://www.oecd.org	
4.	https://www.bis.org/publ/work437.pdf	
5.	https://www.worldbank.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	2	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	3.0	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	2	3	2	2
CO3	3	2	3	2	2
CO4	3	2	3	2	2
CO5	3	3	3	3	3
Weightage	15	12	15	12	11
Weighted percentage of Course Contribution to PSOs	3	2.4	3	2.4	2.2

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

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE5C2	**FISCAL ECONOMICS**	**Core -X**		T			4	5	25	75	100

	Learning Objectives
C1	To enable students to acquire Knowledge on the various facets of Fiscal Economics.
C2	To illustrates various theories of fiscal economics and its applications
C3	To describes the budget process and features of a good tax system
C4	To analyse the trends in public expenditure and debt management
C5	To evaluate the Budget of the Government of India, central and state relation

	Contents	**No. of Hours**
UNIT I	**Introduction** Fiscal Economics: Nature, Scope, Objectives and Instruments - Major Fiscal Functions - Market Failure: Public Goods and Private Goods, Externalities, Efficiency Versus Equity- Principles of Functional Finance.	15
UNIT II	**Theories of Fiscal Economics and Policy** Principle of Maximum Social Advantage -The Benefit Approach- The Ability-to- Pay Approach-Equal Sacrifice Principle- Fiscal Policy and its Instruments.	14
UNIT III	**Budget and Taxation** Role of Government in a Modern Economy- Public Budget: Types and Structure - Taxation -Features of a Good Tax System- Direct and Indirect Taxes -Concept of Impact-Incidence and Shifting of Taxation-Elasticity and Determination of Tax Burden - Optimal Taxation.	16
UNIT IV	**Public Expenditure and Debt** Public Expenditure: Canons and Classification -Wagner's Law of Public Expenditure- Public Debt: Meaning and Types, Burden of Public Debt- Principles of Public Debt Management– Deficit Financing.	15
UNIT V	**Indian Public Finance** Budget of the Government of India (Previous Financial Year)- Sources of Public Receipts (Tax and Non-Tax, GST and its Impacts)-Components of Public Expenditure-Sources of Public Borrowing and Debt Liabilities-Deficits-Appraisal of FRBM Act 2004- Fiscal Federalism: Centre and State Relations - Finance Commission Recommendations of Last 3 years.	15
	Total	**75**

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the importance and Instruments of Fiscal Economics.	PO1,PO2
2	Evaluate the Principles and theories of Public Finance.	PO2
3	Analyze the Budget, Indian Tax System and Policy.	PO2,PO3
4	Describe Classification, Laws of Public Expenditure and Public Debt.	PO1,PO2
5	Know the Indian Public Finance System and Policy Recommendations.	PO1,PO3,PO7
Textbooks		
1	Bhatia H.L., (2012), Public Finance, Vikas Publications.	
2	Tyagi B.P and H.P.Singh(2018) " Public Finance" Jai Prakash Nath & Co ,Meerut	
3	Dr. S.K Singh, "Public Finance in theory and Practice", S. Chand Publishing, 2008	
4	Lekhi,"Public Finance", Kalyani Publishers, 2015.	
5	Richard. A. Musgrave & Peggy B. Musgrave, "Public Finance in Theory and Practices", McGraw Hill International Edition, New York,2006.	
Reference Books		
1.	Harvey Rosen, (2005), Public Finance, Seventh Edition, McGraw Hill Publications.	
2.	Kaushik Basu and Maertens (Ed), (2013), The New Oxford Companion to Economics in India, Oxford University Press.	
3.	Sury M.M., (1990), Government Budgeting in India, Commonwealth Publishers.	
4.	Andley and Sundaram. (2004). Public Finance, Ratan Prakashan, Agra.	
5.	Mu Raja J. Chelliah, "Fiscal Policy in Underdeveloped Countries", Allen and Moowbray Limited at the Alden Press Oxford, II Edition,2012.	
Web Resources		
1.	https://finmin.nic.in/	
2.	https://www.nipfp.org.in/	
3.	https://www.niti.gov.in/	
4.	https://www.gst.gov.in/	
5.	https://www.indiabudget.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	2	2	3	3	2
CO3	3	3	3	2	3
CO4	2	2	2	2	1
CO5	3	3	2	3	2
Weightage	13	13	13	13	10
Weighted percentage of Course Contribution to PSOs	2.6	2.6	2.6	2.6	2

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

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE5C3	**INDUSTRIAL ECONOMICS**	Core-XI		T			4	5	25	75	100

	Learning Objectives
C1	To discuss the Features, Performance and development issues of the Indian Economy
C2	To analyse the various theories of Industrial Location.
C3	To know the licensing policies and industrial sickness
C4	To describe the growth Patterns in Indian Industrial Sector.
C5	To observe the trends and prospects of industrial growth in India

	Contents	**No. of Hours**
UNIT I	**Introduction** Nature and scope of Industrial Economics - History of Industrial Revolution -Digital Revolution -Classification of Industries: Public Sector, Private Sector and Public Private Partnerships- Large, MSMEs, Cottage Industries- Concept of Plant, Firm and Industry.	15
UNIT II	**Theories of Location** Theories of Industrial Location - Weber - Sargant Florence - Factors Affecting Location-Localization -Glocalization of Industries – Decentralization of Industries-Industrial Efficiency and Economic Efficiency- Measures of Concentration - Concentration ratio - Hirschman - Herfindahl Index.	16
UNIT III	**Industrial Licensing and Policies** Industrial Licensing – MRTP Act – Industrial Policies - Industrial Productivity -Capacity Utilization - Industrial Sickness- Mergers and Acquisitions – Profitability and Efficiency.	14
UNIT IV	Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives.	15
UNIT V	**Growth Trends in India** Industrial Growth in India: Trends and Prospects – Incentives to Promote Industrialization – Ease of Doing Business Ranking - MNCs in India -Special Economic Zones- FDI Policy- Make in India Initiative- National Manufacturing Policy.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the importance of Industrial Economics	PO1,PO2
2.	Examine theories of industrial Location	PO2,PO3
3.	Review the relevance of Industrial Policies	PO1,PO2,PO3
4.	Describe the Industrial belts of the World and India	PO2,PO2
5.	Analyse the Industrial Trends in the Indian Economy.	PO2,PO3
Textbooks		
1.	Ranjana Seth . (2010) Industrial Economics Ane's Student Edition.	
2.	Barthwal R.R (2007) Industrial Economics An Introductory Textbook,New Age International Publishers	
3	Dennis W.Carlton and Jeffrey M.Perloff, Modern Industrial Organisation, Cambridge University Press,2015	
4	Rajesh Kumar R(2021) Industrial Economics and Foreign Trade Jyothis Publishers	
5	Louis Philips, "Applied Industrial Economics", Cambridge University Press, 1998	
Reference Books		
1.	John Weiss (2011) The Economics of Industrial Development, Routledge	
2.	Kuchhal, S. C. Industrial Economy of India, Chaitanya Publishing House, Allahabad (1980)	
3.	Dhingra I.C and Nitin Dhingra (2013) Industrial Economics Book Age Publications	
4.	Martin, S., (2001)Advanced Industrial Economics, 2nd Edition, Wiley-Blackwell	
5.	Paul Belleflameet.l"The theory of Industrial Organisation- Markets and Strategies", Cambridge University Press, 2012	
Web Resources		
1.	https://www.india.gov.in/topics/industries	
2.	https://business.mapsofindia.com/india-industry	
3.	https://dpiit.gov.in/	
4.	https://dri.nic.in/	
5.	https://msme.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	3	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	15	15	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE5C4	**ENVIRONMENTAL ECONOMICS**	Core - XII		T			4	5	25	75	100
Learning Objectives										

	Learning Objectives	
C1	To understand the theoretical basis of Environmental Economics
C2	To choose the relevant economic tools to improve Environmental Quality
C3	To describe the Environment as a Public Good and market failure theories
C4	To doctrine the various methods of environmental valuation and its uses
C5	To know the regulation of Pollution through Economic Instruments

	Contents	No. of Hours
UNIT I	**Fundamentals of Environmental Economics** Definition, Scope and Significance - Environment – Economy Linkages – Material Balance Approach - Malthusian and Neoclassical perspective of Environment - Sustainable Development - Environment Kuznets Curve.	15
UNIT II	**Economics of Natural Resources** Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources.	15
UNIT III	**Market Failure** Environment as a Public Good - Tragedy of Commons- Externalities - Pigouvian Fee and Coase theorem on Property Rights.	12
UNIT IV	**Valuation of Environment** Total Economic Value - Contingent Valuation Method – Stated Preference - Travel Cost Model - Hedonic Pricing - Economics of Sustainable Development - Green Accounting – Ecological Footprint, Carbon Footprint, Ecological Shadow.	18
UNIT V	**Economics of Pollution Control** Optimal level of Pollution - Regulation of Pollution through Economic Instruments - Command and Control Approach.	15
	Total	

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Have a better understanding of Environment-Economy Linkages.	PO1, PO2,PO5
2	Apply environmental concepts to Economic Theories.	PO2,PO3
3	Create economic policies incorporating Environmental Issues.	PO5, PO7
4	Analyse the methods to value Environment Pollution.	PO2,PO3
5	Evaluate the need for reduction of Pollution.	PO2,PO7

Textbooks

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

Reference Books

1.	Maureen L. Cropper and Wallace E. Oates, "Environmental Economics: A Survey", Journal of Economic Literature, Volume 30, 1992,
2.	Barry C. Field, (1994)Environmental Economics: An Introduction, Singapore, McGraw-Hill,
3.	Hussen, Ahmed.M.(1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London: Routledge.
4.	Dr.S.Sankaran(2012) Environmental Economics Margham Publications.
5.	Mark Maslin(2014) "Climate Change: A Very Short Introduction 3rd Edition Oxford University Press.

Web Resources

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

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE5E1	TAMIL NADU ECONOMY	DSE-I A		T			3	4	25	75	100

Learning Objectives	
C1	To discuss the Features, Performance and development issues of Tamil Nadu Economy
C2	To analyse the agricultural and industrial scenario in Tamil Nadu
C3	To understand the industrial scenario in tamil nadu and its growth
C4	To know the general performance of the tamilnadu
C5	To describe the state finances and its development initiatives

	Contents	No. of Hours
UNIT I	**Introduction** Tamil Nadu–Salient features–Geographical Features – Economic and Social Indicators –Human Development – Index Rank–Gender Disparity Index–Poverty Index –Work Participation Rate – Unemployment Rate – Literacy Rate– Life Expectancy – Demography and Occupational Patterns.	15
UNIT II	**Agriculture** Agriculture–Land Use Patterns– Cropping Pattern–Irrigation - Agricultural Marketing – Defects and Remedial measures – Agricultural Finance – Policy and Issues –Crop Insurance.	16
UNIT III	**Industry** Industrial Scenario in Tamil Nadu – Production Trends—Large Industries- MSMEs –Khadi and Village Industries – Export Contribution of top 5 Major Industries - Industrial Financial Institutions: TIIC, SIDCO, SIPCOT, Industrial Estates-DIC, EPZ, SPZ, SEZ.	14
UNIT IV	**State Finances and Development Initiatives** State Finance – Revenue and Expenditure of the State – Tamil Nadu's Recent Budget – Poverty Alleviation and Unemployment Programmes – Education and Health Care and State Welfare Programmes.	15
UNIT V	**General Performance of the State** Tourism and Medical Tourism – Women Empowerment Programme – Self Help Groups and Micro Finance-MahalirThittam - Environmental Protection Measures.	15
Total		**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand salient features, Poverty, Unemployment of Tamil Nadu Economy	PO1,PO2
2	Examine the Issues in Indian Agriculture, Land Use Patterns, finance and Insurance	PO2,PO3
3	Grasp the Industrial Scenario in Tamil Nadu	PO1,PO7 ,PO8
4	Describe the status of State Finances and Development Programmes of Tamil Nadu	PO2,PO3
5	Analyse the overall performance of Tamil Nadu Economy.	PO3,PO7,PO8
Textbooks		
1	Leonard A.G,S.J, (2006), Tamil Nadu Economy, Macmillan India Ltd, New Delhi	
2	Naganathan M (2002), Tamil Nadu Economy: Trends and Prospects,(ed.), University of Madras.	
3	Rajalakshmi N, (1999), Tamil Nadu Economy, Business Publishers, Bombay.	
4	Kuppusamy.K, "Socio-Economic Development Of India, Sharadha Publications, 2014	
5	S. Perumalsamy, " Economic Development of Tamil Nadu",S.Chand & Company,1985	
Reference Books		
1.	Veeramani A.R., Tamil Nadu Agricultural Economy,Divyasre Publication,2015	
2.	Manickam.S, (2010), Tamil Nadu – An Economic Appraisal, Department of Evaluation and Applied Research, Panorama of Indian Economy.	
3.	Madras Institute of Development Studies, (1988), Tamil Nadu Economy: Performance and Issues, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi	
4.	Kurien C.T and James Joseph (1979), "Economic Change in Tamil Nadu: A Regionally and Functionally Disaggregated Study", Allied Publishers Pvt. Ltd. New Delhi.	
5.		
Web Resources		
1.	www.tn.gov.in	
2.	http://tnenvis.nic.in/	
3.	https://www.msmeonline.tn.gov.in/	
4.	https://ctd.tn.gov.in	
5.	https://www.tamilnadutourism.tn.gov.in	

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE5E2	**MANAGERIAL ECONOMICS**	DSE-I B		T			3	4	25	75	100
	Learning Objectives										
C1	To develop analytical and problem-solving skills among the students.										
C2	To enable students to Capital Budgeting and its concepts.										
C3	To understand the cost controls measures and its uses										
C4	To know the Demand for Durable and Non-Durable Products										
C5	To familiarize students of Pricing Policies and its Practices.										
	Contents										**No. of Hours**
UNIT I	**Introduction** Nature and Scope of Managerial Economics - Meaning - Characteristics– Importance–Role and Responsibilities of Managerial Economist – Basic Economic Tools in Managerial Economics.										15
UNIT II	**Demand, Cost and Profit Analysis** Demand for Durable and Non-Durable Products, Demand Forecasting Techniques -Statistical and Non-Statistical Techniques -Cost Estimation - Cost-Volume-Profit Analysis (Break Even Analysis)- Objectives and Assumptions; Determination of Break Even Point, Limitations										15
UNIT III	**Pricing Policies and Practices** Objectives - Popular Pricing Methods and Strategies- Price Discounts and Differentials- Pricing by Manufacturers and Retailers- Price Forecasting.										12
UNIT IV	**Capital Budgeting** Capital Budgeting: Need for capital budgeting- Different steps in Capital Budgeting- - Appraisal Methods – Payback Method, Accounting Rate of Return, Net Present Value method, Internal Rate of Return Method, Cost–Benefit Method - Capital Rationing.										18
UNIT V	**Cost of Capital** Sources of Funds for Long Term Financing-Cost of Debt Capital -Cost of Preferred Stock -Cost of Equity Capital or Common Stock-Cost of Retained Earnings.										15
	Total										**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Micro Economic Principles and applying it in Business Decision.	PO1,PO2
2	Examine the concepts of Demand, Cost and Profit	PO1,PO2
3	Determine and analyse the various Pricing Techniques.	PO2, PO3
4	Appraise the Project Proposals	PO4,PO3
5	Understand the sources of Finance for Business.	PO2, PO3
Textbooks		
1	Varshney R.L., and Maheshwari K.L. (1997), Managerial Economics, Sultan Chand, N Delhi	
2	Mehta P.L (1997), Managerial Economics, Sultan Chand, New Delhi.	
3	William F. Samuelson, Stephen G. Marks, "Managerial Economics", Wiley,2014	
4	Michael R Baye, Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5th Edition 2006.	
5	Yogesh, Maheshwari, Managerial Economics, PHI Learning PvtLtd,2013	
Reference Books		
1.	Dominic Salvatore, (1993), Managerial Economics, McGraw Hill Inc, New York	
2.	Ahuja. H. L. (2004), Business Economics, S. Chand & Co, New Delhi.	
3.	L. Trivedi (2002), Managerial Economics: Theory and Applications Tata McGraw Hill.	
4.	Dwivedi D.N (2000), Managerial Economics, Vikas Publishing House Pvt Ltd	
5.	Gregory Mankiw(2008) Economics: Principles and Applications, New Delhi, Cengage Learning India.	
Web Resources		
1.	http://economics.about.com/od/pricing	
2.	www.rbi.org	
3.	https://nptel.ac.in/courses/110101005	
4.	https://www.managementstudyguide.com/managerial-economics	
5.	https://hbr.org/1976/11/pricing-policies-for-new-products	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE5E3	**OPERATIONS RESEARCH**	**DSE-II A**		T			3	4	25	75	100

	Learning Objectives	
C1	To enable students to understand the rational decision making in practice	
C2	To understand use of key concepts such as Linear Programming and its applications,.	
C3	To probe the Transportation Assignment CPM,PERT and Queuing	
C4	To provide understanding about making Rational Decisions in Practice.	
C5	To provide knowledge on acquiring Entrepreneurial Skills.	

	Contents	No. of Hours
UNIT I	**Introduction to Operations Research** Operations Research – Definition–Methodology – Tools-Types of Operations Research Models- Operations Research and Decision Making - Limitations.	12
UNIT II	**Linear Programming Problem** Definition –- Applications- Assumptions -Formulation- -Graphical solution – Maximization and Minimization- Simplex Method (2 Variable)	15
UNIT III	**Transportation and Assignment** Introduction – Matrix Formulation of a Transportation Problem– North West Corner Entry Method –Vogel's Approximation Method- Initial Basic Feasible Solution (basic problems) - Assignment – Introduction – Balanced and Unbalanced Assignment Problem – Solution using Hungarian Assignment Method.	18
UNIT IV	**Decision Theory** Decision Making under Risk and Uncertainty-Decision Tree Analysis-Network Analysis –Basic Concepts: CPM – PERT	15
UNIT V	**Queuing Theory** Queuing Theory - Basic Concepts -Traffic Intensity– Idle Rate-Single Channel - Number of Customers in Line and System - Time Spent by the Customers in Line and System - Probability of Customers' Waiting.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Characteristics and Methodology of Operations Research.	PO1,PO3
2	Analyse constraints in optimization using LinearProgramming	PO2,PO3
3	Examine the role of various Transportation Model and Optimum cost in Assignment	PO2,PO3
4	Take appropriate decisions under conditions of risk and Uncertainty	PO3,PO4
5	Evaluate the costs involved in Queuing	PO2,PO3
Textbooks		
1	Vittal P.R, (2019), Introduction to Operations Research, Margham Publications	
2	Gupta P.K and Manmohan, (2019), Operations Research Sultan Chand, New Delhi	
3	G. Srivivasan, "Operations Research: Principles and Application", Prentice Hall India Pvt., Limited, 2017	
4	Ravindran, Phillips, Solberg, "OPERATIONS RESEARCH: PRINCIPLES AND PRACTICE", 2ND ED, Wiley, 2007	
5	P. RamaMurthy, "Operations Research",New Age International, 2007	
Reference Books		
1.	Chawla K.K ,Vijay Gupta and Bhushan K.Sharma (2015) Introduction to Operations Research, Kalyani Publishers	
2.	HamdyaTaha,(2017)Operations Research: An Introduction, 10th Edition, Pearson	
3.	Kapoor V.K.(2017) Operations Research, Sultan Chand and Sons, New Delhi,	
4.	Gupta P.K & Manmohan(2003) Problems in Operations Research (Methods and Solutions), Sultan Chand and Sons, NewDelhi	
5.	Panneerselvam R.(2018) Operations Research, Prentice-Hall India,	
Web Resources		
1.	https://www.edx.org/course/operations-research-an-active-approach	
2.	https://www.theorsociety.com/resource-centre/teaching-resources/	
3.	https://or.stackexchange.com/questions/4277/operations-research-self-study-resources-for-beginners	
4.	https://www.notes4free.in/admin/postimages/OR%20NOTES.pdf	
5.	https://youtu.be/x-Wx9KLRBpk	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	2
CO2	3	3	3	3	3
CO3	3	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	15	11	15	14
Weighted percentage of Course Contribution to PSOs	3	3	2.2	3	2.8

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

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE5E4	GENDER ECONOMICS	DSE-II B		T			3	4	25	75	100

	Learning Objectives	
C1	Students will be able to sensitize on issues that is related to gender	
C2	To understand the conceptual clarification of women and work	
C3	To analyse the Women in Organized and Unorganized Sectors in an Economy	
C4	Identify the marginalization of women in economic theory and in the economy	
C5	Incorporate gender in mainstream policy making	

	Contents	No. of Hours
UNIT I	**Introduction to Gender Analysis and Economics** Definition - Gender - Gender Analysis: Purpose and Scope - Feminist Perspective in Economics - Classical and Neoclassical Economics- Post Keynesian Economics- Economic Measurements - Empirical Challenges.	12
UNIT II	**Development and Anti - Development** Development Versus Anti-Development - Women In Development (WID)- Women and Development (WAD)- Gender And Development – Women And Empowerment- Women And Environment – Ecofeminism.	15
UNIT III	**Women and Work – A Conceptual Clarification** Invisibility of Women – "Statistical Purdah" - A Critique of Methods, Concepts, Definitions Employed in Economic Theory- A Critique of The Data System In India (Application) - Measures To Rectify This Invisibility	18
UNIT IV	**Marginalization of Women** Women Sidelined – Gender – Discrimination Theories - Women in The Labour Market – Sexual Division of Labour, Wage Differentials, Micro Credit - Women in The Organized and Unorganized Sectors Of The Indian Economy (Application) - Feminization Of Work and Feminization Of Poverty	15
UNIT V	**Gender, The Economy and Related Issues** Population – Demographic Features - Health and Education - Policy Measures – Government and NGOs– Gender Budgeting	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Recognize needs for Gender Analysis	PO1,PO5
2	Analyze the role of gender in development	PO1,PO2,PO5
3	Identify the reasons behind the marginalization of women	PO2,PO5
4	Formulate policies to include the excluded	PO5, PO7
5	Integrate gender in Mainstream Economics	PO3, PO7
Textbooks		
1	Jaya Shrivatsava(2018) Gender Discrimination and Inequality in Contemporary India: Dimensionsand Voices of Protests, Kalpaz Publications.	
2	Caroline Criado Perez(2019) Invisible Women: Data Bias in a World Designed for Men, Harry N.Abrams.	
3	Mukesh Eswaran (2020)Why Gender Matters in Economics Princeton University Press	
4	K.R.Gupta, "Gender Problems and Policies", Atlantic, 2009.	
5	Joyce Jacobsen , "The Economics of Gender", Wiley – Blackwell Publisher 3rd Edition, 2007	

	Reference Books
1.	GOI (1987), Shram Shakti, Report on the National Commission on Self – employed Women and Women in the Informal Sector New Delhi.
2.	Julie A Nelson (1996), Feminism, Objectivity and economics, Routledge, London.
3.	Krishnaraj,Maithreyiand JoyP. Deshmukh(1991), Gender in Economics, Ajantha Publishers, New Delhi
4.	Loutfi,MF(ed.)(2002),Women,Gender&Work,Rawat Publishers, New Delhi
5.	Krishnaraj, M., and M.P.D. Joy. Gender in Economics. Ajantha, New Delhi, 1991
	Web Resources
1.	https://www.unwomen.org/en/how-we-work/intergovernmental-support/world-conferences-on-women
2.	https://wcd.nic.in/
3.	https://www.tn.gov.in/department/30
4.	http://icds-wcd.nic.in/
5.	http://ncw.nic.in/

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE6C1	INTERNATIONAL ECONOMICS	Core-XIII		T			4	6	25	75	100
	Learning Objectives										
C1	To evaluate critical overview of International Trade theories										
C2	To understand the Foreign Exchange Market and its operations										
C3	To know the BOP disequilibrium and International Trade Policy.										
C4	To impart knowledge on Foreign Exchange Market and its concepts										
C5	To familiarize students on Trade Policies										

	Contents	No. of Hours
UNIT I	**Introduction** Nature and Scope of International Economics -The Globalization of the World Economy - International Trade and the Nation's Standard of Living - International Trade Policy - Current International Economic Problems and Challenges.	15
UNIT II	**International Trade Theories** Absolute Advantage: Adam Smith - Comparative Advantage: David Ricardo - Opportunity Cost: Haberler - Reciprocal Demand: Mill - Offer Curves: Marshall - Factor Endowments: Heckscher-Ohlin - Leontief Paradox - Economic Growth and International Trade.	14
UNIT III	**Foreign Exchange Market** Foreign Exchange Market: Function and structures - Exchange Rates: Fixed, Flexible, Floating, Pegged, Nominal and Real Exchange Rates - Theories of Exchange Rates: Mint Parity Theory, Purchasing Power Parity Theory, and Balance of Payments Theory.	16
UNIT IV	**Balance of Payments** The Balance of Payments Account - Equilibrium and Disequilibrium in BOP - Surplus and Deficit in BOP- Adjustment Mechanism: Direct and Indirect Mechanisms– Export Promotion and Import Substitution.	15
UNIT V	**Terms of Trade and Trade Policy** Terms of Trade: Concept and Determinants - Terms of trade and Economic Development - Tariff and Non-Tariff Barriers – Effects – Quotas - Import Quotas Vs Tariffs - Free Trade and Economic Development-Free Trade Vs Protection.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Develop ideas of the basic characteristics of Globalisation of the World Economy and its current international economic problems and challenges.	PO1
2	Grasp the basic theories of International Trade and Economic Growth.	PO1
3	Understand the functions, structure and theories of Foreign Exchange Market.	PO1,PO2,PO3
4	Describe the BOP disequilibrium, Adjustment Mechanism, Export Promotion and Import Substitution.	PO2,PO3
5	Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development	PO1,PO2

Textbooks

1	Mithani D.M (2002), Introduction to International Economics, Vora & Co Publishers, Bombay.
2	Dwivedi, D. N. (2013). International Economics: Theory and Policy. Vikas Publishing House, New Delhi.
3	Cherunilam, Francis (2006). International Economics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi
4	M.L Jhingan, " International Economics", Vrinda publications, 2016
5	K.R.Gupta, International Economics, Atlantic Publishers, 2017

Reference Books

1.	Paul Krugman, Maurice Obstfeld, and Marc Melitz, (2012), International Economics: Theory and Policy, Addison-Wesley (Pearson Education Indian Edition), 9th edition.
2.	Kindleberger, C.P (1977). International Economics, D.B. Taraporevala Sons and Co. Pvt. Ltd., Bombay
3.	Leamer, E. E., & Stern, R. M. (2017). Quantitative International Economics. Routledge.
4.	Salvatore, D. (2016). International Economics.John Wiley & Sons.
5.	Jones, R. W., Grossman, G. M., Kenen, P. B., Rogoff, K., Gopinath, G., &Helpman, E. (Eds.). (1997). Handbook of International Economics (Vol. 3). Elsevier.

Web Resources

1.	https://www.imf.org
2.	https://www.forextime.com/education/forex-trading-for-beginners
3.	https://www.weforum.org/
4.	https://www.wto.org/
5.	https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	2.8	2.8	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	2
CO3	3	3	2	3	2
CO4	3	3	3	2	2
CO5	3	3	2	3	3
Weightage	15	15	12	14	12
Weighted percentage of Course Contribution to PSOs	3	3	2.4	2.8	2.4

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE6C2	DEVELOPMENT ECONOMICS	Core - XIV		T			4	6	25	75	100

	Learning Objectives	
C1	To focuses on themes that cut across core values in development economics	
C2	To describes the various approaches and theories of development.	
C3	To analyze the significance of Development Models in Economic Planning	
C4	To enable the students to know about Development and Growth Models.	
C5	To probe the role of Financial System in Economic Development	
	Contents	No. of Hours
UNIT I	**Introduction** Meaning and Nature of Development Economics – Core values of Development- Amartya Sen's Approach – Economic Growth Vs. Development – Progress and Economic Welfare – Comparative Economic Development.	12
UNIT II	**Theories of Economic Growth and Development – I** Rostow's stages of Growth – Big Push Theory - Theory of Critical Minimum Effort - Utilisation of Surplus Manpower – Lewis Theory, Nurkse Theory - Rural Urban Migration – Harris-Todaro Model.	15
UNIT III	**Theories of Economic Growth and Development – II** Harrod-Domar Model (Critical Expansion and Growth) - - Solow Model of Growth - Technical Progress and Growth - Human Capital and Growth - Myrdal Model (Cumulative Causation Thesis) - Kaldor Model (Model of Distribution).	18
UNIT IV	**Development Planning** Development Planning – Concept and Rationale- Basic Models of Development Planning process – Government Failure and Market Economy – Role of NGOs in Economic Development – Trends in Governance and Reforms.	15
UNIT V	**Financing Economic Development** Role of Financial System in Economic Development – Formal Versus Informal Finance – Micro Finance – Foreign Finance – Foreign Aid - Development Assistance Debate.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Outline the central themes and approaches to Development.	PO1,PO2
2	Compare and contrast the theories of Growth and Development	PO1,PO2,PO3
3	Critically analyse various Models of Growth.	PO2,PO3,PO7
4	Examine the welfare impact of Development Planning and proposed development interventions by different institutions	PO1, PO2,PO3,PO7
5	Evaluate the source and significance of Finance in Economic Development	PO3,PO4
Textbooks		
1	Ahuja H.L. (2016), Development Economics, S. Chand and Company Ltd.	
2	Jhingan M.L. (2016), Economics of Development Planning, Himalaya Publication House, 41stEdition.	
3	Dutt, A. (2003). Development Economicsand Structuralist Macroeconomics. Edward Elgar Publishing.	
4	Debraj Ray, "Development Economics", Oxford IndianPaperbacks,1998	
5	Alain de Janvry, Elisabeth Sadoulet,"Development Economics:Theory and Practice", Talyor & Francis, 2021	
Reference Books		
1.	Todaro Michael and C Smith Stephen (2017) Economic Development, Pearson, 12thEdition	
2.	Taneja & R. M. Myre M.L. (2017), Economics of Development and Planning, Vikas Publishing Co., 15thEdition	
3.	Kulwant Rai Gupta (2006& 2009), Economics of Development & Planning (Vol. 1& Vol.2), Atlantic Publishers and Dist.	
4.	Huq, M. M., Clunies-Ross, A., & Forsyth, D. (2009). Development Economics. McGraw Hill.	
5.	Meier, G. M., & Stiglitz, J. E. (Eds.). (2001). Frontiers of Development Economics: the future in perspective. World Bank Publications.	
Web Resources		
1.	https://web.mit.edu/krugman/www/dishpan.html	
2.	http://www.niti.gov.in/	
3.	https://ida.worldbank.org/en/what-is-ida	
4.	https://www.trade.gov/	
5.	https://www.saarc-sec.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	3.0	2.8	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE6C3	**AGRICULTURAL ECONOMICS**	Core - XV		T			4	6	25	75	100
Learning Objectives										

	Learning Objectives	
C1	To probe into the various issues in agricultural Labour	
C2	To understand the marketing, Finance and Price Policy of Agriculture	
C3	To study the impact of Agriculture on Indian Economic Scenario.	
C4	To assess the Sustainable agriculture Development In india	
C5	To familiarize students about the significance of Sustainable Agriculture.	

	Contents	**No. of Hours**
UNIT I	**Introduction** Scope and significance of Agriculture- Role of Agriculture in India's Development- Inter-sectoral Linkages - Farm Management: Definition and Principles-Management of Risks in Agriculture.	12
UNIT II	**Agricultural Labour** Agricultural labour: Definition - Types – Supply of Labour – Problems - Rural Unemployment: Types, Consequences and Remedial Measures- Minimum Wages for Agricultural Workers– Recent Wage and Self-Employment Programmes	15
UNIT III	**Agricultural Finance** Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance- Cooperatives in Rural Finance- Role of Commercial Banks and NABARD – Farm Capital - Meaning, Types and Marginal Efficiency of Farm – Agricultural Capital Formation	15
UNIT IV	**Agricultural Price Policy** Objectives and need of Agricultural Price Policy – Stability and Trends in Agricultural Prices – Evaluation of Agricultural Price Policy in India – Agricultural Exports - Current Issues in Indian Agriculture.	15
UNIT V	**Sustainable Agriculture and Food Security** Development issues: Poverty, Inequality, Unemployment and Environmental Degradation - Green Revolution: Recent Developments– Methods and Issues - Population and Food Supply- Food Security and Public Distribution System in India.	18
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the relevance of Agricultural Economics and Development	PO1,PO2
2	Examine the importance of Agricultural Labour in Rural Development	PO1,PO2
3	Identify the sources and importance of Agricultural Finance.	PO3, PO7
4	Analyze the trends in Agricultural Prices	PO1, PO2,PO3
5	Evaluate the Major issues pertaining to Agriculture.	PO3,PO4
Textbooks		
1	Lekhi R.K. and Joginder Singh, (2015), Agricultural Economics: An Indian Perspective, Kalyani Publishers, Ludhiana.	
2	Sadhu An, Singh Amarjit and Singh Jasbir, (2014), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi	
3	Mridula Mishra, (2010), Agriculture and Food Economics, Serials Publication, New Delhi.	
4	John B.Penson,Jr, Oral Capps, Jr, C.ParrRosson III, Richard. T. Woodward, "Introduction to Agricultural Economics", Pearson Publications,2017.	
5	Dr.B.P.Tyagi, "Agricultural Economics & Rural Development", Jai Prakashnath& Co., 2017.	
Reference Books		
1.	Janardhana Rao. N, (2005), Indian Agriculture: Issues and Perspectives, ICFAI University Press, Hyderabad.	
2.	Gray, L. C. (2013). Introduction to Agricultural Economics. Read Books Ltd.	
3.	Barkley, A., & Barkley, P. W. (2016). Principles of Agricultural Economics. Routledge.	
4.	Cramer, G. L., Jensen, C. W., & Southgate Jr, D. D. (2001). Agricultural Economics and Agribusiness (No. Ed. 8). John Wiley and Sons.	
5.	Colman, D., & Young, T. (1989). Principles of Agricultural Economics: Markets And Prices In Less Developed Countries. Cambridge University Press.	
Web Resources		
1.	https://icar.org.in/	
2.	https://www.icrisat.org/	
3.	https://www.nabard.org/	
4.	https://www.fao.org	
5.	https://farmer.gov.in/mspstatements.aspx	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23BAE6E1	**BASIC ECONOMETRICS**	DSE-III A		T			3	5	25	75	100

	Learning Objectives										
C1	To analyse the Economic Relationship mathematically.										
C2	To estimate testing hypotheses, forecasting which helps in Policy Decision Making										
C3	To understand the application of economic theories in real time situations										
C4	To evaluate the Violation of Assumptions in econometric applications										
C5	To understand and analyze various Econometric Models and its application.										

	Contents	No. of Hours
UNIT I	**Introduction** Definition – Scope – Divisions – Objectives – Use of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model–Two variable Model, Population regression Function (PRF), Sample Regression Function (SRF) – Error term U – significance - Stochastic form of PRF and SRF.	12
UNIT II	**Estimation** Classical Linear Regression Model – Assumptions – Method of Ordinary Least Squares (OLS) – Derivation of OLS Estimators - Derivation of variance and Standard error of OLS estimators (Simple Linear Regression) – Properties of OLS estimators- Gauss–Markov Theorem – Proof – Three Variable Model estimation (Basic Idea only) – Hypothesis Testing (t and F test)–Test of Goodness of Fit R^2 and Adjusted R^2.	18
UNIT III	**Violation of Assumptions** Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures.	15
UNIT IV	**Functional Forms and Dummy Variables** Regression through the origin - Double Log Model – Measurement of Elasticity – Semi log model – Measurement of Growth. Dummy Variables – ANOVA and ANCOVA Models – Dummy Variable Trap – Uses – Interaction Effects – Structural Changes	15

	– Seasonal Variations – Piecewise Linear Regression. Autoregressive and Distributed Lag Model – Ad Hoc Method of Estimation – Koyck Transformation – Mean and Median Lag.		
UNIT V	**Simultaneous Equation Model** Simultaneous Equation Model:Definition and Examples – Simultaneous Equation Bias – Structural and Reduced Form Equations – Identification – Rank and Order Condition – Indirect Least Square Estimation – Two Stage Least Square Estimation.		15

	Course Outcomes	Programme Outcomes	
CO	On completion of this course, students will		
1	Understanding the importance of Econometrics.	PO1,PO3	**Total** **75**
2	Learning the estimation techniques of measuring relationship among economic variables.	PO1,PO3	
3	Developing skills of interpretation.	PO3,PO8	
4	Construct models in the testing of theories.	PO2, PO3, PO7	
5	Application of real data for policy suggestions.	PO2,PO3,PO8	

	Textbooks
1	Gujarathi, D. M. (2022). Gujarati: Basic Econometrics. McGraw-hill.
2	Ramanathan, R. (1992). Introductory econometrics with applications. Dryden Press.
3	MaddallaG.S.(2001) Introduction to Econometrics, Third Edition ,Wiley India
4	Koutsoyiannis. "A, Theory of Econometrics", Palgrave, Delhi.
5	M.Wooldridge, "Introductory Econometrics: A Modern Approach", Jeffery 5th Edition 2013.

	Reference Books
1.	Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum's Series).
2.	Damodar, N. (2009). Basic Econometrics Fifth Edition. McGraw-Hill.
3.	Moody, C. (2009). Basic econometrics with STATA. Economics Department. College of William and Mary.
4.	Johnson Jr, A. C., Johnson, M. B., & Buse, R. C. (1987). Econometrics: Basic and applied. New York.
5.	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons.

	Web Resources
1.	https://nptel.ac.in/courses/111104072
2.	http://home.iitk.ac.in/~shalab/onlinecoursematerial
3.	https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf
4.	https://www.economtericssociety.org
5.	https://economicsnetwork.ac.uk

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	3	3	2	3	3
CO4	3	3	2	3	2
CO5	3	2	3	2	2
Weightage	15	14	11	14	13
Weighted percentage of Course Contribution to PSOs	3	2.8	2.2	2.8	2.6

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE6E2	**BEHAVIOURAL ECONOMICS**	DSE – III B		T			3	5	25	75	100

	Learning Objectives
C1	To provide an overview of how Behavioural Principles in economics
C2	To apply behavioural approaches to economic Problems
C3	To know the Nature and Components of mental accounting
C4	To impart knowledge on how people's behaviour influence Decision Making.
C5	To analyze the Behavioural Economic Models.

	Contents	No. of Hours
UNIT I	**Introduction** History and Evolution of Behavioural Economics - Neoclassical Concept and Criteria for Economic Rationality - Causes of irrationality – Herbert Simon -Bounded Rationality Methods used in Behavioural Economics	15
UNIT II	**Heuristics & Biases** Advantages and Disadvantages of Heuristics - Availability Heuristic - Anchoring Heuristic - Representative Heuristic - Self Evaluation Biases and Projection Bias	14
UNIT III	**Animal Spirits and its impact on Economic Decisions** Confidence – its feedback mechanism that amplifies disturbances - Fairness – Its influence in setting wages and prices - Corruption and Antisocial behaviour - Money Illusion – Improper interpretation of inflation and deflation	15
UNIT IV	**Prospect Theory** Conventional approaches to modifying Expected Utility theory - Prospect theory and Endowment effect - Reference points and Loss Aversion - Shape of the utility function - Decision weighting	16
UNIT V	**Mental Accounting** Nature and Components of mental accounting - Framing and Editing - Budgeting and Fungibility - Choice Bracketing and Dynamics	15
	Total	**75**

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the flexibility and limitations of the economic approach to modelling behaviour and demonstrate knowledge of the evolution and methods used in behavioural economics	PO1,PO3
2	Identify ways in which individuals are systematically irrational	PO1,PO2
3	Know how to use existing behavioural models to understand new economic phenomena and analyse how deviations in rationality impact economic decisions.	PO2,PO3
4	Apply Prospect Theory to understand how people make decisions when presented with alternatives that involve risk, probability and uncertainty.	PO3,PO4,PO7
5	Understand and apply in policy the different aspects of the concept of mental accounting	PO3,PO7,PO8
Textbooks		
1	Phillip Corr and AnkePlagnolBehavioral Economics: The Basics 1st Edition, Kindle Edition, Routledge, 2018	
2	Dan Ariely Predictably Irrational: The Hidden Forces That Shape Our Decisions, Harper Collins, 2009.	
3	David CorrellBehavioral Economics: Psychology, Neuroscience, and The Human Side of Economics (Hot Science) Icon Books Ltd, 2021	
4	SanjitDhami.,The Foundations of Behavioral Economic Analysis, Oxford University Press,2016	
5	Brandon Lehr, "Behavioral Economics Evidence, Theory, and Welfare", Talyor & Francis, 2021	
Reference Books		
1.	Nick Wilkinson and Matthias Klaes (2012) An Introduction to Behavioural Economics 2nd Edition, Palgrave Macmillan, London	
2.	David R. Just(2014) Introduction to Behavioural Economics, Wiley Publication, New Jersey	
3.	Colin F.Camerer, George Loewenstein and Matthew Rabin(2003) Advances in Behavioural	
4.	Frank Robert H (2015) Microeconomics and Behaviour, McGraw Hill Education, New York, 2015	
5.	Thaler, Richard H (2016) The Making of Behavioural Economics - Misbehaving, WW Norton & Co, Penguin, London	

Web Resources	
1.	www.behavioraleconomics.com/BEGuide2017.pdf
2.	academic.oup.com/restud/pages/behavioral_economics
3.	https://www.behavioraleconomics.com/
4.	https://www.exploring-economics.org/en/orientation/behavioral-economics/
5.	https://www.povertyactionlab.org/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	14	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	3	3	2	2
CO4	3	3	3	3	3
CO5	3	3	2	3	3
Weightage	15	15	14	12	12
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.4	2.4

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE6E3	**FINANCIAL MARKETS AND INSTITUTIONS**	DSE-IV A		T			3	5	25	75	100

	Learning Objectives
C1	To provides a comprehensive functions and operations of financial markets
C2	To understand the various financial institutions and its operations in India
C3	To probe the role of banks in the financial operations and its regulations
C4	To analyse the Financial Institutions in India and its influence on Indian Economy.
C5	To impart knowledge on Exchange Markets and its aspects.

	Contents	**No. of Hours**
UNIT I	**Introduction** Introduction to Financial System and Economic Development - Indicators of Financial Development, Concepts Related to Financial Markets and Institutions - Concept of Risk -Types of Return and Yield	15
UNIT II	**Financial Institutions – I** Commercial Banking - Role of Banks – NPAs - Risk Management in Banking– International Banking - Financial Regulations and Regulatory Institutions in India - RBI, SEBI, IRDA, PFRDA - Corporate Governance and SEBI.	15
UNIT III	**Financial Institutions – II** Financial Institutions – Provident Fund, Pension Fund, Insurance Companies - Mutual Fund, Credit Rating Agencies, Merchant Bank, Venture Capital Funds. Bond Market: Bond Features, Bond Price Volatility, Government Security Market, Corporate Bond Market, Public Sector Undertaking Bonds.	12
UNIT IV	**Derivatives Market** Classification of Stock Market and Securities – IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives.	15
UNIT V	**Exchange Market** Foreign Exchange Market - Foreign Exchange Market Structure - Risk Management in Foreign Exchange Market - Exchange Rate Determination - Foreign Capital – FDI & FII, Central Bank Intervention in Foreign Exchange Market**.**	18
	Total	**75**
	Course Outcomes	**Programme Outcomes**

CO	On completion of this course, students will be able to	
1	Understand the role and importance of the Indian Financial Market.	PO1
2	Analyse the importance of Commercial Banks	PO1
3	Understand and analyse the mechanics and regulation of financial instruments and determine how the value of stocks, bonds, and securities are calculated.	PO2,PO3
4	Evaluate the performance of Derivative Market.	PO2,PO3
5	Analyse the Foreign Exchange Market.	PO2,PO3

Textbooks

1	Saunders, A., Cornett, M. M., &Erhemjamts, O. (2012). Financial Marketsand Institutions. McGraw-Hill/Irwin.
2	Mishkin, F. S., & Eakins, S. G. (2006). Financial Marketsand Institutions. Pearson Education India.
3	Frederic, S. (2000). Financial Markets and Institutions. Pearson Education India.
4	Maureen Burton, Reynold F. Nesiba, Bruce Brown, "An Introduction to Financial Markets and Institutions",Talyor & Francis, 2015
5	Dr.F.C Sharma, " Financial Markets, Institutions and Services" SBPD Publications, 2021

Reference Books

1.	Megginson, W. L. (2005). The Financial Economics of Privatization. Oxford University Press on Demand.
2.	Burton, M., Nesiba, R. F., & Brown, B. (2015). An introduction to FinancialMarkets and Institutions. Routledge.
3.	Jones, F. M. (2014). Foundations of Financial Markets and Institutions. Pearson Education.
4.	Bhole, L. M. (2004). Financial Institutions and Markets: Structure, Growth And Innovations, 4e. Tata McGraw-Hill Education.
5.	Dr.Gurusamy .S (2018) Financial Markets and Institutions,Mc Graw Hill Education India.

Web Resources

1.	https://www.rbi.org.in
2.	https://www.nseindia.com
3.	https://www.sebi.gov.in
4.	https://dpiit.gov.in/foreign-direct-investment/foreign-direct-investment-policy
5.	https://fifp.gov.in/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	3.0	3.0	3.0	2.8	3.0	3.0	2.8	3.00

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

Level of Correlation between PSO's and CO's

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

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE6E4	**URBAN ECONOMICS**	DSE-IV B		T			3	5	25	75	100

	Learning Objectives
C1	To know the role of Urban Economics and its growth structure
C2	To understand the basic economic principles in Urban Economics.
C3	To describes the various urban infrastructures and its functions
C4	To provide understanding about urbanization and its aspects.
C5	To familiarize the students about migration and its relevance in urban development.

	Contents	No. of Hours
UNIT I	**Introduction** Definition of Urban Economics- Nature and Scope of Urban Economics - Density, Urbanization - Definition of a City and Metropolitan area - Urban structure and Urban growth .	15
UNIT II	**Concept, Causes and Problems of Urbanisation** Urbanization – Concept– Urban Morphology - Causes and Issues of Urbanization- Sustainable Urbanization.	15
UNIT III	**Urban Infrastructure** Urban Infrastructure- Transportation – Electricity - Water Supply - Slums, Housing and Urban Renewal -Public Health.	16
UNIT IV	**Migration Theories** Theories of Rural Urban Migration –Ravenstein's Law of Migration- Stouffer's theory of Mobility- Lee's theory- Reasons for Migration: Push and Pull factors.	14
UNIT V	**Policies for Urban Development** Policies and Programmes for Urban development - Measures to Control Urban Growth - Integrated Development of Small and Medium Towns- Smart Cities in India	15
	Total	

	Course Outcomes	**Programme Outcomes**
CO	On completion of this course, students will	
1	Acquire knowledge on the subject matter of Urban Economics	PO1
2	Gain Knowledge on Urbanization and its Impact	PO1,PO2
3	Understand and analyse the Urban Infrastructure	PO1,PO2
4	Analyze the impact of Migration	PO2,PO4
5	Apply various ideas and policies in Urban Economics.	PO4

	Textbooks
1	Ahluwahalia, I.J., Kanbur, R., & Mohanty, P.K. Urbanization in India, Sage Publications, New Delhi. (2014)
2	Hartwick, John M,(2015) Urban Economics, Routledge.
3	Arthur O' Sullivan, Urban Economics, Tata McGraw Hill, 2009.
4	Douglas.M. Brown, " Introduction to Urban Economics", 2013
5	John F. McDonald, Daniel P. McMillen, "Urban Economics and Real Estate:Theory and Policy", Wiley, 2011
	Reference Books
1.	Briance A and Ravinder Singh, (edited) (1995), Housing the Urban Poor, Policy and Practice in Developing Countries, (Sage Publications, New Delhi).
2.	Fred Durr (1971),The Urban Economy (London, Index Educational Publishers).
3.	Harris Tondon (1973), Introduction to Urban Economic Analysis and Policy New York.
4.	Lolyd R Dowin and Associates (1969), Planning Urban Growth and Regional Development (London :MT.Press).
5.	Mark Garrett(1996), Transportation Planning (Sage Publications, New Delhi).
	Web Resources
1.	https://smartcities.gov.in/
2.	http://www.moud.in/
3.	https://urbaneconomics.org/
4.	https://www.iom.int/
5.	https://refugeesmigrants.un.org/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	14	14	14	15	15	15	15
Weighted percentage of course contribution to POS	3.0	3.0	3.0	2.8	3.0	3.0	3.0	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	3
CO2	3	3	3	2	3
CO3	3	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	14	2	13	15
Weighted percentage of Course Contribution to PSOs	3	2.8	2.4	2.6	3

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

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
23BAE6S1	**GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS**	Professional Competency Skill		T			2	2	25	75	100

	Learning Objectives
C1	To create the opportunity for learning across different disciplines
C2	To build experiences for students as they grow into lifelong learners.
C3	To know the world climatic classification and its features
C4	To build experiences for students as they grow into lifelong learners.
C5	To know the history of modern India

	Contents	**No. of Hours**
UNIT I	**Polity** Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of subjects between the Union and the States Local Governance, Elections in India and Election Commission, CAG	15
UNIT II	**Geography** Major oceans of the world - Important Canals – Gulfs – Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere, wind systems, cloud systems, world climatic classification -Indian climate - Indian Monsoon - India's Physical Features, Indian Soil -Types and Distribution - Important Trade Routes and Projects, Indian Natural Vegetation - Indian agriculture- Major Crops and its distribution, Indian Industries and its Distribution	15
UNIT III	**Economy** National Income – Inflation - Money and Banking - Agriculture in India - Union Budget - Planning in India – Poverty – Unemployment - Inclusive Development and Development issues - Industrial Policies - Financial Markets	15
UNIT IV	**History** Modern India -Formation of Indian National Congress - Morley Minto Reforms, Revolutionary activities - World War I and India's Response - Home Rule league - Montague Chelmsford reforms - Rowlatt Act - Non-Cooperation Movement - Simon Commission and Nehru Report - Civil	15

	Disobedience Movement and Round Table Conferences - Quit India Movement and Demand for Pakistan - Cabinet Mission - formation of Constituent assembly and Partition of India	
UNIT V	**Environment and Ecology** Basic concepts- Ecology, Biodiversity - Food Chain And Food Web - Bio-Geo Chemical Cycles -International Biodiversity Organisations - International Conventions - Conferences and Protocols - Indian Environmental Laws And Environment Related Organisations	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Develop broad knowledge of the different components in Polity	PO1,PO2
2	Understand the Geographical features across Countries and in India	PO1,PO2
3	Acquire Knowledge of the aspects of the Indian Economy	PO2,PO3
4	Understand the significance of India's Freedom Struggle	PO2,PO3
5	Gain Knowledge of Ecology and Environment	PO2,PO5
Textbooks		
1	Class XI and XII NCERT Geography	
2	History- Old NCERT's Class XI and XII	
3	Tamil Nadu State Board XI and XII History Books	
4	History- VI to X NCERT	
5	Economics - IX to XII NCERT	
Reference Books		
1.	Laxmikanth.M (2019), Indian Polity, McGraw-Hill	
2.	Ramesh Singh (2022), Indian Economy, McGraw Hill	
3.	Leong,G.C Physical and Human Geography, Oxford University Press	
4.	Majid Hussain, India Map Entries in Geography, GK Publications Pvt. Ltd.	
5.	Majid Hussain - Environment and Ecology, GK Publications Pvt. Ltd	
6.	Rajiv Ahir, A Brief History of Modern India- Spectrum Books Pvt Ltd	
Web Resources		
1.	https://darpg.gov.in/en	
2.	https://www.india.gov.in/topics/governance-administration	
3.	https://dea.gov.in/	
4.	https://mausam.imd.gov.in/	
5.	http://moef.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	2	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	14	14	14	15	14	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	3.0	2.8	3.0	3.00

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

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	3
CO3	3	3	2	3	3
CO4	2	2	2	3	3
CO5	3	2	2	3	3
Weightage	14	13	11	15	15
Weighted percentage of Course Contribution to PSOs	2.8	2.6	2.2	3	3

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