

**B.A.,
ECONOMICS**

SYLLABUS

**FROM THE ACADEMIC YEAR
2026 – 2027**

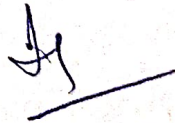
PG & RESEARCH DEPARTMENT OF ECONOMICS
RAJAH SERFOJI GOVERNMENT COLLEGE
(AUTONOMOUS)
THANJAVUR – 613005

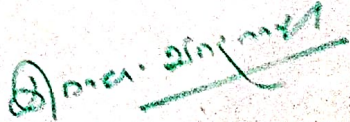
REPORT OF THE BOARD OF STUDIES MEETING
CONVENED ON 10.07.2026 at 11.30 AM

The Meeting of Board of Studies in Economics is convened on 10.07.2026 (Friday) to include : a) Reviewed and evaluated the New syllabus for UG& PG courses for the candidates admitted from the academic year 2026-2027 onwards b) Non Major Elective course – NCC students (Recommended by UGC) ; c) three courses recommend by Bharathidasan University for the undergraduate students: The meeting was chaired by Dr.A.Arulraj, Associate Professor & Head, Dept. of Economics. The members of the Board of Studies for the meeting of the Department of Economics were welcomed by Dr. M .Santhanalakshmi Associate Professor, Department of Economics. The new curriculum structure and syllabus has been analysed for the undergraduate & PG students and finalized after deep deliberations of the board. The following courses were discussed:

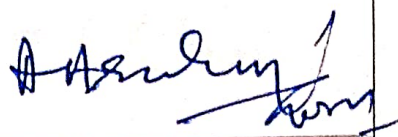
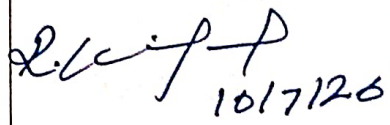
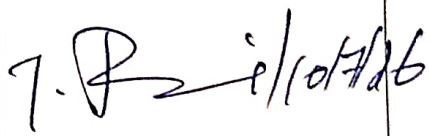
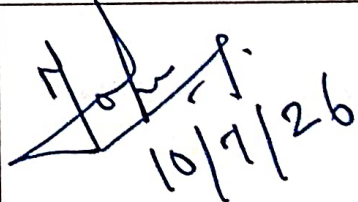
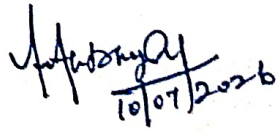
- a) Reviewed and evaluated the New syllabus for UG& PG courses for the candidates admitted from the academic year 2026-2027 onwards
- b) Non Major Elective course – NCC students (Recommended by UGC)
 - 1. Semester III : Introduction for NCC(For NCC students only)
 - 2. Semester IV : Specialised Subjects- ARMY (For NCC students only) and
- c) Three courses recommend by Bharathidasan University & TANSCHESyllabus for the undergraduate
 - 3. Semester III: Health and Wellness
 - 4. Semester V: Disaster Management
 - 5. Semester VI: Gender Studies

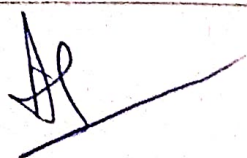
The Board elaborated and valued syllabus and recommended to include the undergraduate & postgraduate the curriculum structure. The Board recommended that the new syllabus and appreciated for the inclusion of the Economics of AI paper in economics courses. The new elective and non-major electives courses were reviewed and recommended for implementation. The meeting ended with vote of thanks from the chair. The following members were present:


Dr.A.ARULRAJ
Associate Professor and Head,
PG Research Dept. of Economics,
Rajah Serfoji Government College (Autonomous)
Thanjavur-5, Tamil Nadu.

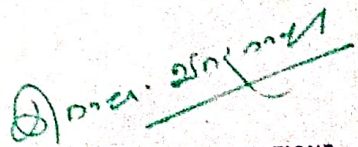

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THANJAVUR-613 005.

**PG AND RESEARCH DEPARTMENT OF ECONOMICS
RAJAH SERFOJI GOVERNMENT COLLEGE
(AUTONOMOUS)
THANJAVUR – 613005**

CHAIRPERSON		
1.	Dr. A.ARULRAJ Associate Professor of Economics & Head, PG & Research Department of Economics, Rajah Serfoji Government College(A), Thanjavur – 613 005.	
EXTERNAL MEMBERS		
2.	UNIVERSITY REPRESENTATIVE NOMINEE Dr. S. VELU SURESHKUMAR, Associate Professor & Head, Department of Economics, H.H. The Rajah's College (A) Pudukkottai	
SUBJECT EXPERTS FROM OUTSIDE		
3.	Dr. R. KUNJAMMAL Associate Professor of Economics, Department of Economics, K.K. Government College for Women Pudukkottai	
4.	Dr. T.PORSELVI Associate Professor in Economics & Head Dept. of Economics Nehru Memorial College (A) Puthanampatti Tiruchirappalli - Dt	
REPRESENTATIVE FROM INDUSTRY		
5.	Mr. I JOHNSON CEO Shalom InfoTech G3 Bharathidasan University Tec Park Kajamalai Campus, Tiruchirappalli-24	
PG MERITORIOUS ALUMINI		
6.	Dr. A.ANTONY RAJ Assistant Professor Dept. of Business Administration H.H. The Rajah's College (A) Pudukkottai	



Dr. A. ARULRAJ
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Thanjavur


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SUBJ ECT EXPERTS FROM DEPARTMENT		
7	Dr. M. MALARVIZHI, Associate Professor in Economics	<i>m. malarvizhi</i> 10/07/26
8	Dr. M. SANTHANALAKSHMI, Associate Professor in Economics	<i>M. S. Lakshmi</i> 10/07/26
9	Dr. M. SANTHANARAJ, Asst. Professor in Economics	<i>M. S. N. Raj</i> 10/07/26
10	Dr. D. JEYANTHI, Guest Lecturer in Economics	<i>D. Jeyanthi</i> 10/07/26
12	Dr. D. ANBALAGAN, Guest Lecturer in Economics	<i>D. Anbalagan</i> 10/07/26
13.	Dr. U. ANITHA, Guest Lecturer in Economics	<i>U. Anitha</i> 10/07/26

Dr. A. Arulraja
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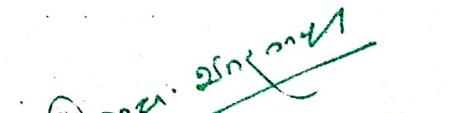
RAJAH SERFOJI GOVT COLLEGE (AUTONOMOUS), THANJAVUR-5
COURSE STRUCTURE FOR UNDER GRADUATE ARTS
 (Applicable to the Candidates admitted from the academic year 2026-2027 onwards)

B.A. ECONOMICS

PART	CODE	COURSE	TITLE	HRS	MARKS		TOTAL	CREDIT
					IA	WE		
I SEMESTER								
I	B1T1	LT	Tamil	6	25	75	100	3
II	B1E1	LE	English	6	25	75	100	3
III	B1EC1	CC1	Micro Econmics -I	6	25	75	100	4
III	B1EC2	CC2	Macro Economics-I	5	25	75	100	4
III	B1AHS1	Allied 1	Heritage Toursim and Economics Devlopment	5	25	75	100	4
IV	B1VE	VE		2	25	75	100	2
TOTAL				30			600	20
II SEMESTER					IA	WE		
I	B2T2	LT	Tamil	6	25	75	100	3
II	B2E2	LE	English	6	25	75	100	3
III	B2EC3	CC3	Micro Econmics -II	6	25	75	100	4
III	B2AHS2	Allied 2	History of Science, Techonology and Innovation	5	25	75	100	4
III	B2AHS3	Allied 3	Statistics for Economist - I	5	25	75	100	4
IV	B2ES	ES	ENVIRONMENTAL STUDIES	2	25	75	100	2
TOTAL				30			600	20

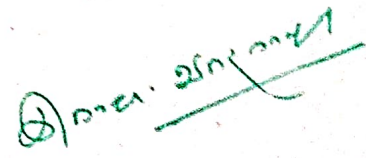


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PART	CODE	COURSE	TITLE	HRS	MARKS		TOTAL CREDIT	
					IA	WE		
III SEMESTER								
I	B3T3	LT	Tamil	6	25	75	100	3
II	B3E3	LE	English	6	25	75	100	3
III	B3EC4	CC4	Macro Economics-II	6	25	75	100	5
III	B3EC5	CC5	Mathamatical Economics	5	25	75	100	4
III		Allied 4	Statistics for Economist - II	5	25	75	100	4
IV	B3ECSE1	SEC1	Demography	2	25	75	100	2
IV	B3HW	HW	HEALTH AND WELLNESS	-	-	-	-	1
IV		NCC-1	Introduction to NCC(for NCC Students only)	2			100	2
			TOTAL	30			600	22
IV SEMESTER					IA	WE		
I	B4T4	LT	Tamil	6	25	75	100	3
II	B4E4	LE	English	6	25	75	100	3
III	B4EC6	CC6	Indian Economy	4	25	75	100	4
III	B4EC7	CC7	Economics of Artificial Intelligence	4	25	75	100	4
III		Allied 5	Modern Banking and Insurance	4	25	75	100	4
III		Allied 6	Financial Markets and Institutions	4	25	75	100	4
IV	B4ECSE2	SEC2	Economics for Investors	2	25	75	100	2
IV		NCC-2	Specialized Subjects - ARMY (for NCC Students Only)	2			100	2
		TOTAL		30			700	24


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PART	CODE	COURSE	TITLE	HRS	MARKS		TOTAL CREDIT	
			V SEMESTER		IA	WE		
III	B5EC8	CC8	Monetary Economics	5	25	75	100	5
III	B5EC9	CC9	Fiscal Economics	5	25	75	100	5
III	B5EC10	CC10	Industrial Economics	5	25	75	100	4
III	B5EC11	CC11	Environmental Economics	5	25	75	100	4
III		EC1	Managerial Economics	5	25	75	100	4
IV		NMEC1	General studies for Competitive Examinations	3	25	75	100	2
IV	B5ECSE3	SEC3	Computer Application in Economics	2	25	75	100	2
IV		DM	Disaster Management	-	-	-	-	2
IV		Internship	Internship	-	-	-	-	2
			TOTAL	30			700	30

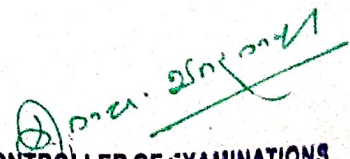
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PART	CODE	COURSE	TITLE	HRS	MARKS		TOTAL	CREDIT
			VI SEMESTER		IA	WE		
III	B6EC12	CC12	International Economics	5	25	75	100	5
III	B6EC13	CC13	Development Economics	5	25	75	100	4
III	B6EC14	CC14	Agricultural Economics	5	25	75	100	4
III	B6EC15	CC15	Urban Economics	4	25	75	100	4
III		EC2	Entrepreneurial Economics	4	25	75	100	4
IV		NMEC2	Managerial Economics	3	25	75	100	2
IV	B6ECSE4	SEC4	Human Reserouce Managemnt	2	25	75	100	2
IV	B6GS	GS	GENDER STUDIES	2	25	75	100	2
V		EXT. ACTIVITIES	EXTRA CURRICULAR ACTIVITIES	-	-	-	-	1
			TOTAL	30			800	28
			GRAND TOTAL				4000	144

		Papers	Tot. Credit	Part wise Credit	Marks
PART-I	TAMIL	4x3	12	12	400
PART-II	ENGLISH	4x3	12	12	400
PART-III	CORE	4x5=20, 11x4=44	64	96	1300
	ELECTIVES	2x4	8		200
	ALLIED	6x4	24		600
PART-IV	NON-MAJOR	2X2	4	23	200
	ES,VE	2X2	4		200
	SEC	4X2	8		400
	GS	1x2	2		100
	DM		2		
	Internship		2		
	HW		1		
PART-V	EXT. ACTIVITIES		1	1	
TOTAL PAPERS		40	TOTAL	144	3800

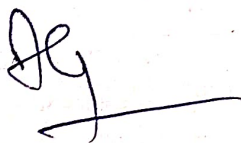

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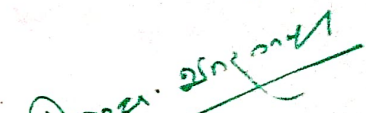
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RAJAH SERFOJI GOVERNMENT COLLEGE (A)
THANAJVUR - 613005**

LIST OF ELECTIVES FOR UG

S.NO.	SUBJECT CODE	TITLE OF THE PAPER
1		TAMILNADU ECONOMY
2		URBAN ECONOMICS
3		BEHAVIOURAL ECONOMICS
4		OPERATIONAL ECONOMICS
5		MANAGERIAL ECONOMICS
6		ECONOMICS OF TOURISM
7		MODERN GOVERNMENTS
8		INDIAN POLITICAL THOUGHT
9		INTRODUCTION OF SOCIOLOGY
10		STOCK EXCHANGES PRACTICES



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THANAJVUR – 613005**

LIST OF SKILL ENHANCEMENT COURSES FOR UG

S.NO.	SUBJECT CODE	TITLE OF THE PAPER
1	B3ECSE1	DEMOGRAPHY
2	B4ECSE2	ECONOMICS FOR INVESTORS
3	B5ECSE3	COMUPUTER APPLICATION IN ECONOMICS
4	B6ECSE4	ENTREPRENEURIAL ECONOMICS
5		EVENT MANAGEMENT
6		BASIC ACCOUNTANCY
7		MODERN BANKING & INSURANCE



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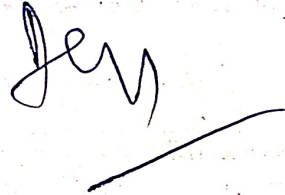
Dr. A. Arulraj
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RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS)
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P.G. AND RESEARCH DEPARTMENT OF ECONOMICS

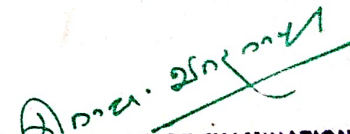
RAJAH SERFOJI GOVERNMENT COLLEGE (A)
THANAJVUR – 613005

LIST OF NON-MAJOR ELECTIVES FOR UG

S.NO.	SUBJECT CODE	TITLE OF THE PAPER
1		ECONOMICS – COMPETITIVE EXAMS
2		TAMILNADU ECONOMY
3		INDIAN ECONOMY
4		INTERNATIONAL TRADE
5		DEVELOPMENT ECONOMICS
6		HISTORY OF ECONOMIC THOUGHT



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THANJAVUR-613 005.

P.G. AND RESEARCH DEPARTMENT OF ECONOMICS
RAJAH SERFOJI GOVERNMENT COLLEGE (A)



BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 620 024

B.A./B.Sc./B.Com./B.B.A./B.C.A.

NON MAJOR ELECTIVE COURSE - NCC

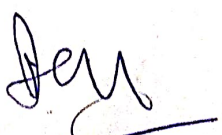
CHOICE BASED CREDIT SYSTEM - LEARNING OUTCOMES BASED

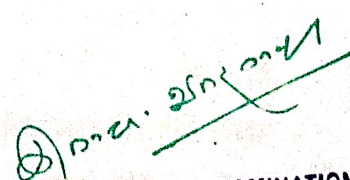
CURRICULUM FRAMEWORK (CBCS - LOCF)

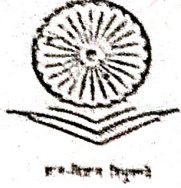
(Applicable to the candidates admitted from the academic year 2022-2023 onwards)

Sem.	Part	Types of the Courses	Title of the Paper	Ins. Hrs.	Credits	Exam. Hours	Maximum Marks		
							Int.	Ext.	Total
III	IV	Non Major Elective Course - I	Introduction to NCC	2	2	3	25	75	100
IV		Non Major Elective Course - II Optional For Army/Navy/ Air Wing Cadets	1. Special Subject Army (or) 2. Special Subject Navy (or) 3. Special subject Airforce	2	2	3	25	75	100

NCC Course is one of the Choices in Non-Major Elective Courses. Only the NCC cadets are eligible to choose this course. However, NCC Course is not a Compulsory Course for the NCC Cadets.


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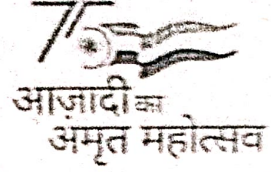


आचार्य मनिष र. जोशी
सचिव

Prof. Manish R. Joshi
Secretary



सत्यमेव जयते



विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मिशन नवोदय, भारत सरकार)
(Ministry of Education, Govt. of India)

D.O.No.1-18/2019(CPP-II)

01st July, 2024/ 10 आषाढ़, 1946

Subject: NCC as an Elective Subject

आदरणीय महोदया/महोदय,

This is in continuation of UGC letter No. 1-18/2019(CPP-II) dated 15.04.2021 and 19.07.2021 regarding Inclusion of NCC as an elective subject in Indian Universities.

The Director General of the National Cadet Corps (NCC), in his communication, pointed out that it is necessary for Higher Education Institutions (HEIs) to have affiliation with NCC troops in order to offer NCC as an elective subject. Furthermore, NCC as an elective subject can only be offered to students who are enrolled as NCC Cadets.

In view of the above, the Higher Education Institutions are requested to take appropriate measures in this regard.

सादर,

भवदीय,

(मनिष जोशी)

सेवा में,

सभी विश्वविद्यालयों के कुलपति।

सभी महाविद्यालयों के प्राचार्य।

Dr. A. ARULRAJ

Associate Professor and Head,
PO Research Dept. of Economics,
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THIRUVANANTHAPURAM

RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS), THANJAVUR - 5

Sl. No.	Semester	Subject Code	Course Title	Credit
1	III	B3NCC1	Introduction to NCC (for NCC Students only)	2
2	IV	B4NCC2	Specialized Subjects - ARMY (for NCC Students only)	2
3	III	B3HW	Health and Wellness (for all Students)	1
4	V	B5DM	Disasters Management (for all Students)	2

[Handwritten Signature]

D.A. ARULRAJ
Associate Professor and Head,
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FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst.	Marks		
									CIA	Exer	Total
	BIECI										
	MICROECONOMICS-I	Core -I					4	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										
UNIT	Contents										No. of Hours
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
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
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
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
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

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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.Rubinfeld,(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, 12 th Media Services.	
Reference Books		
1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2 nd Edition.	
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
3.	Dwivedi, D.N(2002), Microeconomics: Theory and Applications, 2 nd 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	

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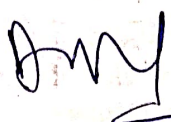
Mapping with Programme Outcomes:

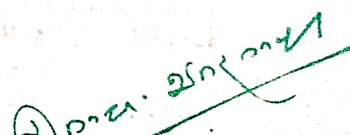
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	2	2	2	3	2	3
Weightage	14	14	14	14	13	15	13	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	2.6	3.00	2.6	3.00

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

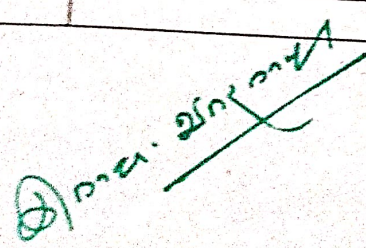

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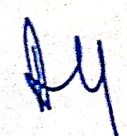

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FIRST YEAR – SEMESTER-I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
BIEC2	MACRO ECONOMICS-I	Core -V					4	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										
UNIT	Contents										No. of Hours
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
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
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
IV	Theories of Consumption Keynesian Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis – Friedman's Permanent Income Hypothesis – Modigliani's Life Cycle Hypothesis.										15
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	


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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. 11 th 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/	

AS

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6/12/21. 25/12/21
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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

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Credits

: 2

Hours/Week

: 2

Medium of Instruction

: English/Tamil

Code:

B1VE

இளநிலை பட்ட வகுப்பு - பகுதி IV

(2026 - 2027 ஆம் கல்வியாண்டு முதல் சேர்க்கப்பட்ட மாணவர்களுக்குரியது)

முதல் பருவம்

வாழ்வியல் கல்வி (Value Education)

OBJECTIVES:

- ✓ To understand the philosophy of life and values through Thirukural
- ✓ To analyse the components of values education to attain the sense of citizenship
- ✓ To understand different types of values towards National Integration and international understanding
- ✓ To learn yoga as value education to promote mental and emotional health
- ✓ To understand human rights, women rights and other rights to promote peace and harmony

UNIT I: PHILOSOPHY OF LIFE AND SOCIAL VALUES (வாழ்க்கை தத்துவம் மற்றும் சமூக விழுமியங்கள்)

Human Life on Earth (Kural 629) -Purpose of Life (Kural 46) -Meaning and Philosophy of Life (Kural 131, 226) -Family (Kural 45), Peace in Family (Kural 1025) Society (Kural 446), The Law of Life (Kural 952), Brotherhood (Kural 807) Five responsibilities / duties of Man (a) to himself (b) to his family (c) to his environment (d) to his society, (e) to the Universe in his lives (Kural 43, 981).

பூமியில் மனித வாழ்க்கை (குறள் 629) -வாழ்க்கையின் நோக்கம் (குறள் 46)- வாழ்க்கையின் பொருளும் தத்துவமும் (குறள் 131, 226)-குடும்பம் (குறள் 45)- குடும்பத்தில் அமைதி / நல்வாழ்வு (குறள் 1025) -சமூகம் (குறள் 446)-வாழ்க்கையின் நெறி / சட்டம் (குறள் 952)-சகோதரத்துவம் / நட்புடைமை (குறள் 807). மனிதனின் ஐந்து கடமைகள்/பொறுப்புகள் அ) தனக்குத்தானே செய்யும் கடமை ஆ) தனது குடும்பத்திற்குச் செய்யும் கடமை இ) தனது சுற்றுப்புறத்திற்கு/இயற்கைக்குச் செய்யும் கடமை ஈ) தனது சமூகத்திற்குச் செய்யும் கடமை உ) இவ்வுலகிற்கு/பேரண்டத்திற்குச் செய்யும் கடமை

UNIT II: HUMAN VALUES AND CITIZENSHIP (மனித விழுமியங்களும் குடியரிமையும்)

Aim of education and value education: Evolution of value-oriented education, Concept of Human values: types of Values- Character Formation – Components of Value education-A P J Kalam's ten points for enlightened citizenship- The role of media in value building

கல்வி மற்றும் விழுமியக் கல்வியின் நோக்கம்: விழுமியம் சார்ந்த கல்வியின் பரிணாம வளர்ச்சி: மனித விழுமியங்களின் கோட்பாடு: விழுமியங்களின் வகைகள்: பண்பு நலம்

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உருவாக்குதல் / குணநலன் உருவாக்கம்: விழுமியக் கல்வியின் கூறுகள்: அறிவுசார்ந்த / விழிப்புணர்வுள்ள குடியுரிமைக்கான ஏ. பி. ஜே. அப்துல் கலாமின் பத்து கட்டளைகள் - விழுமியங்களை உருவாக்குவதில் ஊடகங்களின் பங்கு.

UNIT-III VALUE EDUCATION TOWARDS NATIONAL AND GLOBAL (தேசிய மற்றும் உலகளாவிய வளர்ச்சியை நோக்கிய கல்வி)

DEVELOPMENT:

Constitutional or national values: Democracy, socialism, secularism, equality, Justice, liberty, freedom and fraternity - Social Values: Pity and probity, self-control, universal brotherhood - Professional Values - Knowledge thirst, sincerity in profession, regularity, punctuality and faith - Religious Values: Tolerance, wisdom, character - Aesthetic Values- Love and appreciation of literature and fine arts and respect for the same- National Integration and International Understanding.

அரசியலமைப்பு அல்லது தேசிய விழுமியங்கள்: மக்களாட்சி, சமதர்மம், மதச்சார்பின்மை, சமத்துவம், நீதி, சுதந்திரம் மற்றும் சகோதரத்துவம். சமூக விழுமியங்கள்: இரக்கமும் நேர்மையும், சுயக்கட்டுப்பாடு, உலகளாவிய சகோதரத்துவம். தொழில்சார் விழுமியங்கள்: அறிவுத் தாகம், தொழிலில் நேர்மை, ஒழுங்குமுறை, குறித்த நேரத்தில் செயல்படுதல் மற்றும் நம்பிக்கை. சமய விழுமியங்கள்: சகிப்புத்தன்மை, ஞானம், நற்பண்பு. அழகியல் விழுமியங்கள்: இலக்கியம் மற்றும் நுண்கலைகள் மீதான அன்பு, பாராட்டு மற்றும் அவற்றிற்கான மரியாதை. தேசிய ஒருமைப்பாடு மற்றும் சர்வதேச புரிதல்.

UNIT IV : YOGA AND HEALTH (யோகாவும் ஆரோக்கியமும்):

Definition, Meaning, Scope of Yoga - Aims and objectives of Yoga - Yoga Education with modern context - Different traditions and schools of Yoga - Yoga practices: Asanas, Pranayama and Meditation.

யோகா-வரையறை, பொருள், வரம்பு; யோகாவின் நோக்கங்களும் குறிக்கோள்களும். நவீன சூழலில் யோகா கல்வி. யோகாவின் பல்வேறு மரபுகளும் நெறிகளும். யோகா பயிற்சிகள்: ஆசனங்கள், பிராணாயாமம் மற்றும் தியானம்.

UNIT V : HUMAN RIGHTS (மனித உரிமைகள்):

Concept of Human Rights: Indian and international perspectives- Evolution of Human Rights- definitions under Indian and International documents -Broad classification of Human Rights and Relevant Constitutional Provisions: Right to Life, liberty and Dignity- Right to equality- Right against exploitation- Cultural and Educational Right- Economic Rights- Political Rights- Social Rights - Human Rights of Women and Children - Peace and harmony.

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மனித உரிமைகள் கோட்பாடு இந்திய மற்றும் சர்வதேச கண்ணோட்டங்கள். மனித உரிமைகளின் பரிணாம வளர்ச்சி. இந்திய மற்றும் சர்வதேச ஆவணங்களின்படியான வரையறைகள். மனித உரிமைகளின் பரந்த வகைப்பாடும் தொடர்புடைய அரசியலமைப்பு விதிகளும்: வாழ்வுரிமை, கதந்திரம் மற்றும் கண்ணியத்திற்கான உரிமை - சமத்துவ உரிமை - கரண்டலுக்கு எதிரான உரிமை - கலாச்சார மற்றும் கல்வி உரிமை - பொருளாதார உரிமைகள் - அரசியல் உரிமைகள் - சமூக உரிமைகள். பெண்கள் மற்றும் குழந்தைகளுக்கான மனித உரிமைகள். அமைதி மற்றும் நல்லிணக்கம்.

BOOKS FOR REFERENCES:

1. Thirukkural with English Translation of Rev. Dr. G.U. Pope, Uma Publication, 156, Serfoji Nagar, Medical College Road, Thanjavur 613 004
2. Leah Levin, Human Rights, NBT, 1998
3. V.R. Krishna Iyer, Dialectics and Dynamics of Human Rights in India, Tagore Law Lectures.
4. Yogic Therapy - Swami Kuvalayananda and Dr.S.L.Vinekar, Government of India, Ministry of Health, New Delhi.
5. SOUND HEALTH THROUGH YOGA - Dr.K.Chandrasekaran, Prem Kalyan Publications, Sedapatti, 1999.
6. Grose. D. N - "A text book of Value Education' New Delhi (2005)
7. Gawande . EN - "Value Oriented Education" - Vision for better living. New Delhi (2002) Saruptsons
8. Brain Trust Aliyar- "Value Education for Health, Happiness and Harmony" Erode (2004) Vethathiri publications

COURSE OUTCOMES: After completion of the course, the student will be able to:

- ✓ Apply the values in thirukural to be peaceful, dutiful and responsible in family and society
- ✓ Develop character formation and sense of citizenship
- ✓ Be secular, self-control, sincere, respectful and moral.
- ✓ Master yoga, asana and meditation to promote mental health
- ✓ Be attitudinal to follow the constitutional rights

Question Paper Pattern

Maximum Marks : 75

Exam Duration : 3 Hours

Part A - 5 x 6 = 30 (Either Or Type, Two Question from each Unit)

Part B - 3 x 15 = 45 (3 Out of 5, One Question from each Unit)

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FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MICROECONOMICS-II	Core -III					4	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										
UNIT	Contents										No. of Hours
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
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
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
IV	Distribution Theory Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.										14
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

[Signature]

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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. Rubinfeld, (2001) Micro Economics, Macmillan.	
2.	Hal K. 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, 12 th Media Services.	
Reference Books		
1.	Koutsoyiannis (2003), Modern Microeconomics, Palgrave Macmillan (UK) 2 nd Edition.	
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
3.	Case & Fair, Principles of Economics Myeconlab series 8 th Edn.	
4.	Mansfield, Edwin and Yohe, Gary (2010): Microeconomics 4 th 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/sextomicro8e	
5.	https://www.aeaweb.org/resources/students	

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ENVIRONMENTAL STUDIES							
(for students admitted from the academic year 2026-2027)							
Credit	2	Hours/Week	2	Sub Code	B2ES	Semester	II
Medium of Instruction: English/Tamil						ES	

Objective:

To sensitize students on environmental issues and sustainable development practices.

Course outcomes:

Co No.	Co - Statements	Cognitive Levels
	<i>On successful completion of this course, students will be able to</i>	
CO - 1	understand the concept, structure and functions of various ecosystems.	K1, K2
CO - 2	distinguish renewable resources from non-renewable resources	K3, K4
CO - 3	value the importance of biodiversity and its conservation.	K3
CO - 4	rationalize social issues with environmental issues and realize the importance of the environment and aware of its protection	K4
CO - 5	gain knowledge on human role in environment management and conservation	K5

Unit 1

The Multidisciplinary nature of environmental studies: Scope and importance; Need for public awareness. Natural Resources: Renewable and non-renewable resources; Natural resources and associated problems - a) Forest resources, b) Water resources, c) Mineral resources, d) Food resources, e) Energy resources, f) Land resources Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

சுற்றுச்சூழல் அறிவியல்-பல்துறை தன்மை: நோக்கம் மற்றும் முக்கியத்துவம்; மக்களிடம் கிழிப்புணர்வு தேவை. இயற்கை வளங்கள்: புதுப்பிக்கத்தக்க மற்றும் புதுப்பிக்க இயலா வளங்கள்; இயற்கை வளங்கள் மற்றும் பயன்பாடு தொடர்புடைய பிரச்சனைகள் - அ) வன வளங்கள், ஆ) நீர் வளங்கள், இ) கனிம வளங்கள், ஈ) உணவு வளங்கள், உ) ஆற்றல் வளங்கள், ஊ) நில வளங்கள். இயற்கை வளங்களைப் பாதுகாப்பதில் தனிநபரின் பங்கு. நிலையான வாழ்க்கை முறைக்கு வளங்களை சமமாகப் பயன்படுத்துதல்.

Unit II

Ecosystem: Concept, structure and function of an ecosystem; Energy flow in the ecosystem; Ecological succession; Food chains, food webs and ecological pyramids; Introduction, types, characteristic features, structure and function of - a) Forest ecosystem, b) Grassland ecosystem, c) Desert ecosystem, d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

சுற்றுச்சூழல் அமைப்பு: கட்டமைப்பு மற்றும் செயல்பாடு; சுற்றுச்சூழல் அமைப்பில் ஆற்றல் ஓட்டம்; சுற்றுச்சூழல் தொடர்வு மாற்றம்; உணவு சங்கிலி, உணவு வலை மற்றும் சுற்றுச்சூழல் கூம்புகள்; அறிமுகம், வகைகள், சிறப்பியல்பு, கட்டமைப்பு மற்றும் செயல்பாடு - அ) வன சுற்றுச்சூழல், ஆ) புல்வெளி

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Human Rights, Value Education, HIV/ AIDS, Women and Child Welfare, Role of Information Technology in Environment and human health.

மக்கள்தொகை மற்றும் சுற்றுச்சூழல்: மக்கள்தொகை வளர்ச்சி, நாடுகளிடையே மாறுபாடு, மக்கள்தொகை பெருக்கம், குடும்ப நலத் திட்டங்கள், சுற்றுச்சூழல் மற்றும் மனித ஆரோக்கியம், மனித உரிமைகள், மதிப்புக் கல்வி, எக்ஸ்ட்ரீம்/எய்ட்ஸ், பெண்கள் மற்றும் குழந்தைகள் நலன், சுற்றுச்சூழல் மற்றும் மனித ஆரோக்கியத்தில் தகவல் தொழில்நுட்பத்தின் பங்கு.

Text books

1. Erach Bharucha, 2004. Textbook for Environmental studies, UGC, New Delhi.
2. Townsend C.R., Harper, J.L., Begon, M., 2009. Essentials of Ecology, Wiley, 528p.
3. N. Arumugam, V. Kumaresan. 2014. Environmental Studies. Saras Publication

Reference books

1. Abbasi, S.A., 1998. Environmental Pollution and its Control, International Publications, Pondichery.
2. Agarwal, K.C. 2001 Environmental Biology, Nidi Public Ltd Bikaner.
3. Clark R.B., 2001. Marine Pollution, 5th edition, Oxford University Press. 248p.
4. Jadhav, H and Bhosale, V.M., 1995. Environmental Protection and Laws Himalaya Pub. House, Delhi 284 p.
5. McNeely, J.A., Miller, K., Mittermeier, R.A., Reid, W.V and Werner, T.B., 1990. Conserving the world's biological diversity, IUCN.
6. Odum, E.P. 1971 Fundamentals of Ecology. W.B. Saunders Co. USA. 574 p.
7. Trivedi R.K., 2010. Handbook of Environmental Laws, Acts, Guidelines, Compliances and Standards, Vol. I and II, B.S. Publications.

Web Resources

- <https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf>
- <https://www.researchgate.net/publication/349648232> Introduction to Environmental Studies
- <https://nitsri.ac.in/Department/CHEMISTRY/EVS MATERIAL 2.pdf>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	Mean Score of COs
CO1	3	2	2	3	3	3	3	2	3	1	2.5
CO2	3	3	3	3	3	3	1	3	2	3	2.7
CO3	3	3	3	2	3	3	1	3	3	3	2.7
CO4	3	3	3	3	3	3	1	3	1	3	2.6
CO5	1	3	3	3	3	3	1	1	1	3	2.2
Mean Overall Score											2.54
Result											High

Question Pattern:

Maximum Marks: 75

Duration of Exam: 3 hrs

Part A: 5 x 6 = 30 (5 out of 7 questions, at least one question from each unit)

Part B: 3 x 15 = 45 (One question from each unit)

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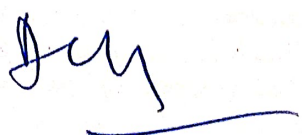
Mapping with Programme Outcomes:

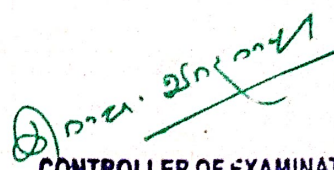
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	3	2	3	3	2	3	3
Weightage	14	15	14	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	3.00	2.8	3.00	2.8	2.8	2.8	3.00

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


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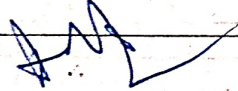

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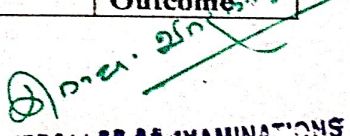
SECOND YEAR- SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MACRO ECONOMICS – II	Core - VII					4	5	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.										

UNIT	Contents	No. of Hours
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
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
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
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
V	Supply Side Economics Rational Expectation Hypothesis – New Classical School – Contribution of Robert Lucas – New Keynesian School.	15
	Total	75 hours

Course Outcomes	Programme Outcomes
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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, Fischer Stanely, and Richard Startz (2000), Macro Economics, tata McGraw-Hill publishing company, New Delhi
3	Andrew B. Abel and Ben S. Bernanke, Macro Economics, 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), adings in Macro Economics, Surjeet Publications, New Delhi	Re
3.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore	
4.	Parkin, M., 2014. Macroeconomics 11 th 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

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Weighted percentage of course contribution to POS	3.0	3.0	2.8	3.0	2.8	3.0	2.8	3.00
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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- 1 M-Medium- L-Low-1

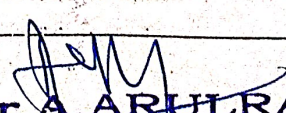
Dr. A. ARULRAJ

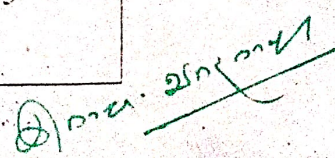
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SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MATHEMATICS FOR ECONOMICS	Core -VI					4	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										
UNIT	Contents								No. of Hours		
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		
II	Matrix Algebra and Determinants Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems).								15		
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		
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		
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		


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THANJAVUR-613 005.

	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, 3 rd Edition, Mc Graw Hill	
3	Renshaw Geoff, (2005) Maths for Economics, 3 rd 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.		

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THANJAVUR-613 005.

Mapping with Programme Outcomes:

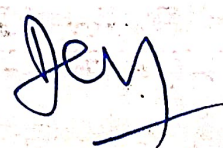
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	3	3	3	3	3	3
Weightage	15	14	15	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	3.0	3.00

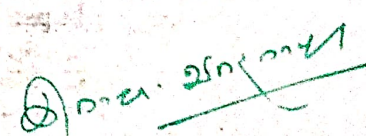
S-Strong-3 M-Medium-2 L-Low-1

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

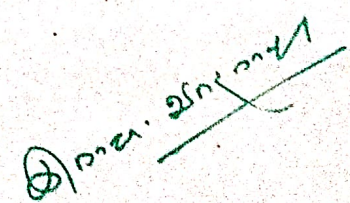

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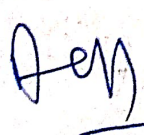
SCOND YEAR-SEMESTER-III

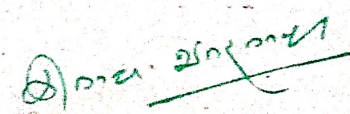
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	DEMOGRAPHY	SEC-I					2	75	25	75	100
Learning Objectives											
C1	To understand the meaning and scope of demography										
C2	To discuss the basic concepts of demographic measurements.										
C3	To describes the concepts of urbanisation and migration										
C4	To evaluate the international aspects of population growth and tis environment										
C5	To analyse the trends in population policy in India										
UNIT	Contents									No. of Hours	
I	Introduction Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.									15	
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	
III	Migration and Urbanisation Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.									14	
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	
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		


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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. Desai (2003) Demography, Vrinda Publications, New Delhi	
2	Rajendra K. Sharma (2007), Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd.	
3	Jennifer Hickey Lundquist, Douglas L. Anderson 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	
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- 5 th 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/	


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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	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

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---- 23 - 886*		L	T	P	C**
AUDIT	HEALTH & WELLNESS	0	0	2	1

*(First four digits in the subject code is branch code and Seventh digit is Semester)

** Health & Wellness has one credit for the third semester only and it has no credits for other semesters.

Skill Areas:

Physical Fitness, Nutrition, Mental Health, Awareness on Drug addiction and its effects

Purpose:

The Health & Wellness course focuses on teaching the elements of physical, mental, emotional, social, intellectual, environmental well-being which are essential for overall development of an individual. The course also addresses the dangers of substance abuse and online risks to promote emotional and mental health.

Learning Outcomes:

Upon completion of the Health & Wellness course, students will be able to:

1. Demonstrate proficiency in sports training and physical fitness practices.
2. Improve their mental and emotional well-being, fostering a positive outlook on health and life.
3. Develop competence and commitment as professionals in the field of health and wellness.
4. Awareness on drug addiction and its ill effects

Focus:

During the conduct of the Health & Wellness course, the students will benefit from the following focus areas:

1. Stress Management.
2. Breaking Bad Habits.
3. Improving Interpersonal Relationships.
4. Building Physical Strength & Inner Strength.

Role of the Facilitator:

The faculty plays a crucial role in effectively engaging with students and guiding them towards achieving learning outcomes. Faculty participation involves the following areas:

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1. **Mentorship & Motivation:** The Facilitator mentors students in wellness and self-discipline while inspiring a positive outlook on health. Faculty teach stress management, fitness, and daily well-being.
2. **Promoting a Safe and Inclusive Environment:** The facilitator ensures a safe, inclusive, and respectful learning environment for active student participation and benefit.
3. **Individualised Support and Monitoring Progress:** The facilitator plays a crucial role in providing personalized support, monitoring and guidance to students.

Guided Activities:

In this course, several general guided activities have been suggested to facilitate the achievement of desired learning outcomes. They are as follows:

1. Introduction to Holistic Well-being.
2. Holistic Wellness Program- Nurturing Body and Mind
3. Breaking Bad Habits Workshop.
4. Improving the elements of physical, emotional, social, intellectual, environmental and mental well-being.
5. Creating situational awareness, digital awareness.
6. Understanding substance abuse, consequences and the way out.

Period Distribution

The following are the guided activities suggested for this Audit course.

The Physical Director should plan the activities by the students.

Arrange the suitable Mentor / Guide for the wellness activities.

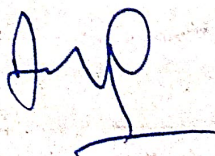
Additional activities and programs can be planned for Health and Wellness.

S.No	Guided Activities	Period
1	Introduction to Holistic Well-being 1. Introduce the core components of Health & Well-being namely Physical, mental and emotional well-being 2. Provide worksheets on all the four components individually and explain the interconnectedness to give an overall understanding.	
2	Wellness Wheel Exercise (Overall Analysis)	

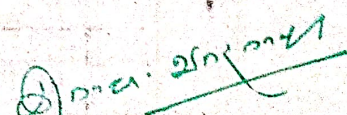
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	• Guide students to assess their well-being in various life dimensions through exercises on various aspects of well-being, and explain the benefits of applying wellness wheel. • Introduce Tech Tools: • Explore the use of technology to support well-being. • Introduce students to apps for meditation, sleep tracking, or healthy recipe inspiration.	
3	Breaking Bad Habits (Overall Analysis) • Open a discussion on bad habits and their harmful effects. • Provide a worksheet to the students to identify their personal bad habits. • Discuss the trigger, cause, consequence and solution with examples. • Guide them to replace the bad habits with good ones through worksheets.	
4	Physical Well-being 1. Fitness Introduce the different types of fitness activities such as basic exercises, cardiovascular exercises, strength training exercises, flexibility exercises, so on and so forth. (Include theoretical explanations and outdoor activity). 2. Nutrition Facilitate students to reflect on their eating habits, their body type, and to test their knowledge on nutrition, its sources and the benefits. 3. Yoga & Meditation Discuss the benefits of Yoga and Meditation for one's overall health. Demonstrate different yoga postures and their benefits on the body through visuals (pictures or videos)	



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4. Brain Health

Discuss the importance of brain health for daily life.

Habits that affect brain health (irregular sleep, eating, screen time).

Habits that help for healthy brains (reading, proper sleep, exercises).

Benefits of breathing exercises and meditation for healthy lungs.

5. Healthy Lungs

Discuss the importance of lung health for daily life.

Habits that affect lung health (smoking, lack of exercises).

Benefits of breathing exercises for healthy lungs.

6. Hygiene and Grooming

Discuss the importance of hygienic habits for good oral, vision, hearing and skin health.

Discuss the positive effects of grooming on one's confidence level and professional growth.

Suggested Activities (sample):

Nutrition:

Invite a nutritionist to talk among the students on the importance of nutrition to the body or show similar videos shared by experts on social media. Organize a 'Stove less/fireless cooking competition' for students where they are expected to prepare a nutritious dish and explain the nutritive values in parallel.

5 Emotional Well-being

1. Stress Management

Trigger a conversation or provide self-reflective worksheets to identify the stress factors in daily life and their impact on students' performance.

Introduce different relaxation techniques like deep breathing, progressive muscle relaxation, or guided imagery.

(use audio recordings or visuals to guide them through these techniques).

After practicing the techniques, have them reflect on how these methods can help manage stress in daily life.

2. Importance of saying 'NO'.

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	Explain the students that saying 'NO' is important for their Physical and mental well-being, Academic Performance, Growth and Future, Confidence, Self-respect, Strong and Healthy Relationships, building reputation for self and their family (avoid earning a bad name). Factors that prevent them from saying 'NO'. How to practice saying 'NO'. 3. Body Positivity and self-acceptance Discuss the following with the students. • What is body positivity and self-acceptance? • Why is it important? • Be kind to yourself. • Understand that everyone's unique. <u>Suggested Activities(Sample):</u> (Importance of saying 'NO') Provide worksheets to self-reflect on... ...how they feel when others say 'no' to them ...the situations where they should say 'no' Challenge students to write a song or rap about the importance of saying no and how to do it effectively. Students can perform their creations for the class.	
6	Social Well-Being 1. Practicing Gratitude Discuss the importance of practicing gratitude for building relationships with family, friends, relatives, mentors and colleagues. Discuss how one can show gratitude through words and deeds. Explain how practicing gratitude can create 'ripple effect'. 2. Cultivating Kindness and Compassion Define and differentiate between kindness and compassion. Explore practices that cultivate these positive emotions. Self-Compassion as the Foundation.	

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	The power of small gestures. Understanding another's perspective. The fruits of compassion. 3. Practising Forgiveness Discuss the concept of forgiveness and its benefits. Forgiveness: What is it? and What it isn't? Benefits of forgiveness. Finding forgiveness practices. 4. Celebrating Differences Appreciate the value of individual differences and foster inclusivity. The World: A Tapestry of Differences (cultures, backgrounds, beliefs, abilities, and appearances). Finding strength in differences (diverse perspectives and experiences lead to better problem-solving and innovation). Celebrating differences, not ignoring them (respecting and appreciating the unique qualities). Activities for celebrating differences (share culture, learn about others, embrace new experiences). 5. Digital Detox Introduce the students to: The concept of a digital detox and its benefits for social well-being. How to disconnect from devices more often to strengthen real-world connections. <u>Suggested Activities (sample):</u> (Practicing Gratitude) Provide worksheets to choose the right ways to express gratitude. Celebrate 'gratitude day' in the college and encourage the students to honour the house keeping staff in some way to express gratitude for their service.	
7.	Intellectual Well-being 1. Being a lifelong Learner Give students an understanding on: The relevance of intellectual well-being in this 21st century to meet	

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	the expectations in personal and professional well-being The Importance of enhancing problem-solving skills Cultivating habits to enhance the intellectual well-being (using the library extensively, participating in extra-curricular activities, reading newspaper etc.) 2. Digital Literacy Discuss: The key aspects of digital literacy and its importance in today's world. It is more than just liking and sharing on social media. The four major components of digital literacy (critical thinking, communication, problem-solving, digital citizenship). Why is digital literacy important? Boosting one's digital skills. 3. Transfer of Learning Connections between different subjects – How knowledge gained in one area can be applied to others. <u>Suggested Activities(sample):</u> Intellectual Well-being. Provide worksheets to students for teaching them how to boost intellectual well-being. Ask the students to identify a long-standing problem in their locality, and come up with a solution and present it in the classroom. Also organize an event like 'Idea Expo' to display the designs, ideas, and suggestions, to motivate the students to improve their intellectual well-being.	
8	Environmental Well-being 1. The Importance of initiating a change in the environment. The session could be around: Defining Environmental well-being (physical, chemical, biological, social, and psychosocial factors) – People's behaviour, crime, pollution, political activities, infra-structure, family situation etc. Suggesting different ways of initiating changes in the environment (taking responsibility, creating awareness, volunteering.	

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	approaching administration). Suggested Activities (sample): Providing worksheets to self-reflect on how the environment affects their life, and the ways to initiate a change. Dedicate a bulletin board or wall space (or chart work) in the classroom for students to share their ideas for improving environmental well-being. Creating a volunteers' club in the college and carrying out monthly activities like campus cleaning, awareness campaigns against noise pollution, (loud speakers in public places), addressing anti-social behaviour on the campus or in their locality.	
9	Mental Well-being 1. Importance of self-reflection Discuss: Steps involved in achieving mental well-being (self-reflection, self-awareness, applying actions, achieving mental well-being). Different ways to achieve mental well-being (finding purpose, coping with stress, moral compass, connecting for a common cause). The role of journaling in mental well-being. 2. Mindfulness and Meditation Practices Benefits of practicing mindful habits and meditation for overall well-being. 1. Connecting with nature Practising to be in the present moment – Nature walk, feeling the sun, listening to the natural sounds. Exploring with intention – Hiking, gardening to observe the nature. Reflecting on the emotions, and feeling kindled by nature. 2. Serving people Identifying the needs of others. Helping others. Volunteering your time, skills and listening ear. Finding joy in giving. 3. Creative Expressions	

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	Indulging in writing poems, stories, music making/listening, creating visual arts to connect with inner selves. Suggested Activities(Sample): (Mindfulness and Meditation) – Conducting guided meditation every day for 10 minutes and directing the students to record the changes they observe.	
10	Situational Awareness (Developing Life skills) 1. Being street smart Discuss: Who are street smart? Why is it important to be street smart? Characteristics of a street smart person: Importance of acquiring life skills to become street smart – (General First-aid procedure, CPR Procedure, Handling emergency situations like fire, flood etc). 2. Digital Awareness Discuss: Cyber Security Information Literacy Digital Privacy Fraud Detection Suggested Activities (sample): (Street Smart) Inviting professionals to demonstrate the CPR Procedure Conducting a quiz on Emergency Numbers	
11	Understanding Addiction Plan this session around: Identifying the environmental cues, triggers that lead to picking up this habit. Knowing the impact of substance abuse – Adverse health conditions, social isolation, ruined future, hidden financial loss and damaging the family reputation. Seeking help to get out of this addiction. Suggested Activities:	

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	Provide Worksheets to check the students' level of understanding about substance addiction and their impacts. Share case studies with students from real-life. Play/share awareness videos on addiction/de-addiction, experts talk. *Conduct awareness programmes on Drugs and its ill effects. (Arrange Experts from the concerned government departments and NGOs working in drug addiction issues) and maintain the documents of the program.	
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Closure:

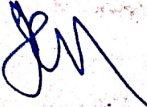
Each student should submit a Handwritten Summary of their Learnings & Action Plan for the future.

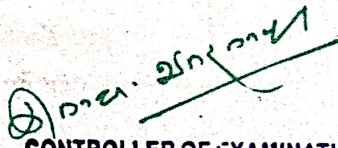
Assessments:

- Use Self-reflective worksheets to assess their understanding.
- Submit the worksheets to internal audit/external audit.
- Every student's activities report should be documented and the same have to be assessed by the Physical Director with the mentor. The evaluation should be for 100 marks. No examination is required.

Scheme of Evaluation

Part	Description	Marks
A	Report	40
B	Attendance	20
C	Activities (Observation During Practice)	40
Total		100

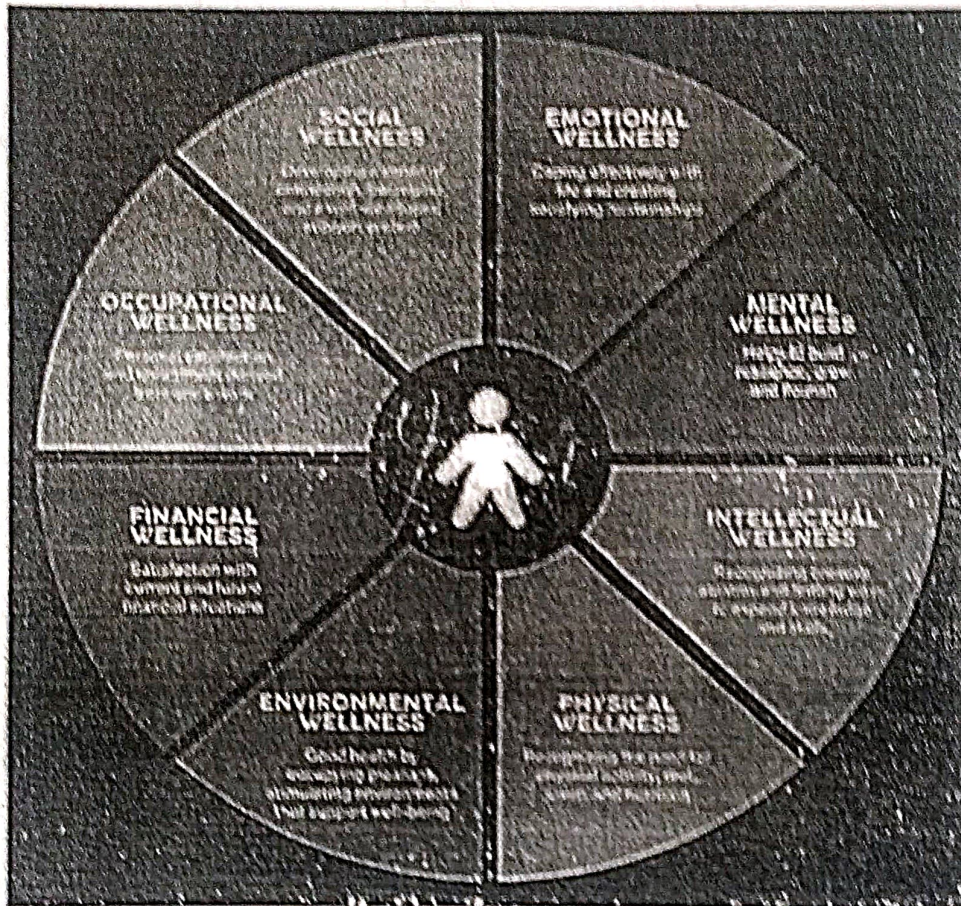

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References/Resource Materials:

The course acknowledges that individual needs for references and resources may vary. However, here are some general reference materials and resources that may be helpful:

1. The Well-Being Wheel:



2. Facilities & Spaces: Some activities may require access to specific facilities, resources or spaces. Students may need to coordinate with the college administration to reserve these as required.

3. Online Resources:

1. United Nations Sustainable Development Goals - Goal 3 - Good Health & Well-Being: <https://www.un.org/sustainabledevelopment/health/>
2. Mindfulness and Meditation: Stanford Health Library offers mindfulness and meditation resources: <https://healthlibrary.stanford.edu/books-resources/mindfulness-meditation.html>

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3. Breaking Bad Habits: James Clear provides a guide on how to build good habits and break bad ones: <https://jamesclear.com/habits>
4. 6 Ways to Keep Your Brain Sharp
<https://www.lorman.com/blog/post/how-to-keep-your-brain-sharp>
5. What Is Social Wellbeing? 12+ Activities for Social Wellness
<https://positivepsychology.com/social-wellbeing/>
6. How Does Your Environment Affect Your Mental Health?
<https://www.verywellmind.com/how-your-environment-affects-your-mental-health-5093687>
7. How to say no to others (and why you shouldn't feel guilty)
<https://www.betterup.com/blog/how-to-say-no>

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NON MAJOR ELECTIVE : THE NCC

COURSE OBJECTIVE

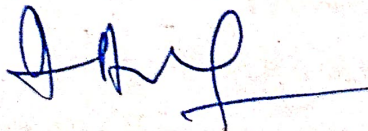
- The NCC training curriculum is structured in a manner to instil in the cadet's qualities like nationalism, patriotism, discipline, team spirit, esprit-de-corps, leadership, self-confidence, national integration and improve their personality.

THE TRAINING IS CONDUCTED WITH THE FOLLOWING SPECIFIC PURPOSE:-

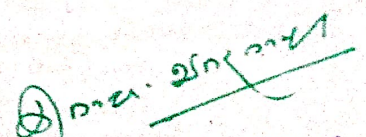
- To expose young cadets to a regimental way of life, which is essential to inculcate in them the values of discipline, duty, punctuality, orderliness, smartness, and respect for authority, correct work ethos and self-confidence.
- To generate interest in cadets by including and laying emphasis on those aspects of institutional training which attract youth and provide them an element of thrill and excitement.
- To inculcate Defence Services work ethos, which is characterized by hard work, sincerity of purpose, honesty, ideals of selfless service, dignity of labour, secular outlook, comradeship, spirit of adventure and sportsmanship.

OBJECTIVES :

- To Motivate young dynamic youth to serve the nation.
- To Inculcate unity and discipline amongst citizens.
- To Promote leadership and make self-reliant citizens.
- To Prepare a volunteer force to participate during national disasters.
- To Raise awareness to live with principles and values.
- To Gain a glimpse and overview of armed forces.
- To Create awareness about social causes and community development.
- To Inculcate sportsmanship and spirit of adventure.
- To Learn about road safety and traffic control
- To Learn about life saving and first aid.



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Second Year

**NON MAJOR ELECTIVE COURSE-I
INTRODUCTION TO NCC
(Theory)**

Semester-III

Code:

Credit:2

COURSE OBJECTIVES :

- To acquaint cadets with the aims and objectives of NCC
- To train Cadets to assist Civil Administration in performance of selective duties during disasters.
- To develop an all-round dynamic personality with adequate leadership traits to deal / contribute effectively in all walks of life.
- To teach cadets the values and skills involved in providing voluntary Social Service.
- To know respect and responsibility towards personal health and hygiene.

UNIT -I THE NCC, NATIONAL INTEGRATION AND AWARENESS :

NCC - History, aim and Objectives- Organisation and Training - Incentives of Joining NCC, Duties of NCC Cadets, Types of NCC Camps. National Integration - Religions, Culture, Traditions and Customs of India, Importance and necessity of National Integration, Problems/ Challenges/Threats of National Integration, Unity in Diversity. Famous Leaders of India. Slogans for National Integration. Contribution of Youth to Nation Building and Role of NCC in Nation Building.

UNIT -II CIVIL AFFAIRS AND SOCIAL AWARENESS COMMUNITY DEVELOPMENT:

Civil Defence Organization and its duties (NDMA, SDMA, DDMA, NDRF) Types of Natural Hazards- Role of NCC during Natural Hazards/ Calamities - Essential services. Social Services - Basics and Needs of Social Service - Social awareness - Social/ Rural Development Projects. Contribution of youth towards social welfare, Civic responsibilities. Role of Youth in Corruption, dowry, female foeticide, Drug abuse and Causes and prevention of HIV/AIDS, NGOs and their contribution in social Welfare.

UNIT -III PERSONALITY DEVELOPMENT:

Personality development - Introduction, Physical, Social, Psychological and philosophical Factors influencing personality. Self-Awareness - know yourself, Thinking- meaning and Concepts - Critical and creative thinking. Problem solving skills - Interview skills - Importance of group and team work - Coping with stress / emotions - Characteristics of healthy personalities - ethics/values

UNIT- IV HEALTH AND HYGIENE:

Structure and functioning of the human body - Hygiene and sanitation (Personal and Food Hygiene) - Physical and mental health - Infectious and contagious diseases and its prevention - Basics of first aid in common medical emergencies - Wounds and fractures - Introduction to yoga (Purpose and benefits of Padmasana, Surya Namaskar, Vajrasana, Sarvangasana, Siddhasana).

UNIT -V ENVIRONMENT AWARENESS AND CONSERVATION:

Natural resources – conservation and management - Water conservation and rain water harvesting - Waste management - Pollution – types and its control, water, air, noise, soil- Wildlife conservation: projects in India

UNIT – VI CURRENT CONTOURS: (For Continuous Internal Assessment only):

Students are allowed to practice Drill, word of Commands. Instruct the students to understand current affairs by reading leading newspapers.

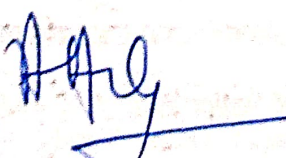
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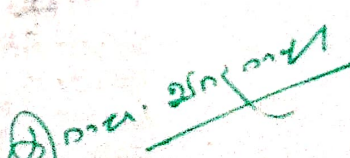
1. Cadet Hand Book (Common Subjects), published by DGNCC.
2. Cadet Hand Book (Specialized Subjects), published by DGNCC.
3. <https://modernschoolnagpur.edu.in/ncc-study-material/>
4. <https://nccorissa.org/old/Doc/Ncc-CadetHandbook.pdf>
5. <https://indiancc.nic.in/anos-handbook/>
6. R Gupta's NCC Army wing, Ramesh Publishing House, New Delhi, 2021.

COURSE LEARNING OUTCOME

After completion of this Course Cadets will be able to

- Understand aims and objectives of NCC
- Understand the sense of patriotism, secular values
- Contribute towards nation building through national unity and social cohesion.
- Cadets would assist Civil Administration in performance of selective duties during disasters
- Develop personality with adequate leadership traits.
- Understand the responsibility towards personal health and hygiene.
- Sensitise the cadets on natural resource conservation and protection of environment.


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THIRUVANANTHAPURAM-613 005.

SEMESTER - IV

Second Year

NON MAJOR ELECTIVE COURSE-II 1. SPECIALISED SUBJECTS -ARMY

Semester-IV

Code:

(Theory)

Credit:2

COURSE OBJECTIVES:

- To acquaint cadets with the Armed Forces
- To provide knowledge of renowned Military Generals, PVCs and Indo-Pak Wars
- To teach cadets elementary map reading
- To teach cadets elementary field craft and battle craft
- To introduce cadets to the latest trends in the field of communications

UNIT -I ARMED FORCES:

Basic organization of Armed Forces - Organisation of the Army - Badges and Ranks - Honours and Awards - Modes of entry into Army - Fighting Arms - Supporting Arms and Services

UNIT- II MAP READING:

Introduction to types of Maps and conventional signs.-Scales and grid system - Topographical forms and technical terms - Relief, contours and gradients - Cardinal points and Types of North. Types of bearing- Use of service Protractor -Prismatic Compass - setting up of a Map, Finding north and own position.

UNIT- III FIELD CRAFT AND BATTLE CRAFT:

Introduction - Judging distance - Description of ground - Recognition, description and indication of land marks and targets - Observation, camouflage and concealment - Field signals - Use of ground and movement - Selection of formations - Knots and Lashing.

UNIT -IV COMMUNICATION AND LEADERSHIP:

Introduction - Types and Importance of communication - Means of communication - Modern methods of communication- radio telephony - Characteristics of Walkie talkie- The military alphabets in communication- Latest trends in communication - Leadership - types of leadership-Qualities of a leader - Leadership traits - Working in Teams & Groups. Case study - Swami Vivekananda, Rattan Tata, Rabindranath Tagore.

UNIT -V MILITARY HISTORY:

Freedom Struggle and Nationalist Movement in India. Biographies of renowned generals (Carriappa/ Manekshaw)- Indian Army War Heroes -Study of battles of indo Pak war: 1965, 1971 and Kargil. Role of NCC in 1965 War.

UNIT – VI CURRENT CONTOURS: (For Continuous Internal Assessment only):

Provide basic information on weapon and weapon training

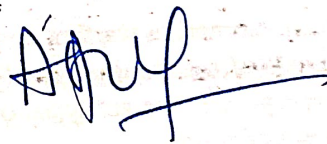
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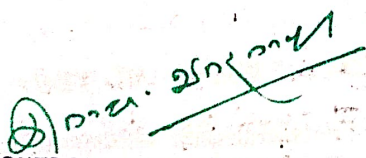
1. Cadet Hand Book (Common Subjects), published by DGNCC.
2. Cadet Hand Book (Specialized Subjects), published by DGNCC.
3. <https://modernschoolnagpur.edu.in/ncc-study-material/>
4. <https://nccorissa.org/old/Doc/Ncc-CadetHandbook.pdf>
5. <https://indiancc.nic.in/anos-handbook/>
6. R Guptas NCC Army wing. Ramesh Publishing House, New Delhi, 2021.

COURSE LEARNING OUTCOME

After completion of this Course Cadets will be able to

- Acquaint cadets with the Armed forces.
- Understand the role of renowned Military Generals, PVCs and Indo-Pak Wars
- Understand the process of map reading and conventional signs.
- Understand elementary field craft and battle craft
- Understand the latest trends in the field of communications
- Understand leadership and its traits.




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Code:

(Theory)

Credit:2

COURSE OBJECTIVES:

- To impart training on Naval Organization
- To impart basic knowledge of Naval Communication
- To impart basic knowledge about Seamanship.
- To provide knowledge about Ship Modelling
- To provide knowledge of renowned Military Generals, PVCs and Indo-Pak Wars

UNIT -I NAVAL ORIENTATION:

History of Indian Navy - Organization of Navy - Navy head quarters - commands- Fleets-ships and shore establishments- types of warships and their role- Organization of ships and instruction on onboard organization- Organization of Army-Air Force-Navy commands- Naval customs and traditions- Ranks of officers- sailors- equivalent ranks in three services- mode of entry- Branches of Navy and their functions

UNIT- II NAVAL WARFARE AND ITS COMPONENTS :

Introduction to Anti submarine warfare and fleet operation- role of aviation- Naval aircrafts and helicopters- types of submarines and their role- ASW weapons and sensors- elementary knowledge of gunnery- missiles and types of mounted guns- Parts of a torpedo- Organization of Ship- RAS- Types of warships.

UNIT -III SEAMANSHIP:

Types of ropes and breaking strength, Bends and hitches, knots and their kinds and uses. Types of cordages Introduction to shackles, hooks, blocks and derricks, coiling down and splicing of rope. Types of anchor- Parts of anchor- Use of Blocks. Parts of Blocks- Parts of boat- parts of an oar- Instructions in boat pulling- pulling orders- precautions whaler pulling- whaler and enterprise class boat including theory of sailing elementary sailing rules- power boats and types- securing and towing boats

UNIT -IV NAVIGATION:

Navigation of a ship- charts and compass- Map reading- Variation- Deviation- CADET rule- fixing the Ship's position- knots and nautical mile definitions- latitude and longitude markings- types of maps and contours- Types of Compass- Gyro compass- True and magnetic north definitions- Meaning of Flags- GPS- RACON- RADAR- SONAR- Brief characteristics of tides and its effect on ships- causes of tides- tidal streams- clouds- types- formation of clouds and effects- introduction to astronomy- Oceanography, living and non living things in sea, Exclusive economic zone, Marine conservation.

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Second Year

NON MAJOR ELECTIVE COURSE-II
3. SPECIALISED SUBJECTS - AIR FORCE

Semester-IV

Code:

(Theory)

Credit:2

COURSE OBJECTIVES

- To impart basic knowledge of IAF and Air Campaigns
- To provide knowledge about Aero Modelling
- To introduce principles of flight
- To provide knowledge of Aircraft Parts
- To provide knowledge of Aircraft Instruments and Air Crafts

UNIT -I ORGANIZATION & STRUCTURE OF IAF:

IAF: Introduction – Organization of Air Force – Branches – History of IAF- Air Campaigns in India -Station -Careers in IAF.

UNIT- II AIR CRAFTS RECOGNITION (ACR):

Air Craft Recognition: Identification of Aircraft – shapes – Types of Aircrafts – Foreign Aircrafts - Latest trends and Acquisitions.

UNIT- III AIRMANSHIP (AR):

Airmanship: Introduction – Airfield Layout – Rules of the Air – ATC/RT Procedures – Circuit Procedures – Aviation Medicine & Survival.

UNIT -IV AIR NAVIGATION (NV):

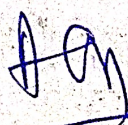
Navigation: Meaning – Air Navigation – Requirement of Navigation – Terms used in Navigations; Maps: Uses – Map Reading -Fundamentals of Map Reading; Meteorology (MET): Importance – Atmosphere – Clouds & Precipitation- Visibility

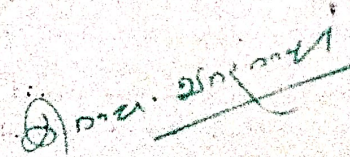
UNIT -V AERO MODELLING & AIRFRAMES:

Aero-Modelling (AM): Types – Materials used for Aero-modelling – Building of Aero Models: Static – Flying; History of Aero Modelling; Airframes: Aircraft controls – Main & Tail Plane – Landing Gear; Instruments: Basic Flight Instruments – Radars.

UNIT -VI CURRENT CONTOURS: (For Continuous Internal Assessment only):

Provide basic information on weapon and weapon training


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UNIT -V NBCD:

Types of fire- Triangle of fire- Types of fire fighting- water markings in the ship- NBCD organization and structure- Damage control- causes of damage- flooding

UNIT - VI CURRENT CONTOURS: (For Continuous Internal Assessment only):

Provide basic information on weapon and weapon training

REFERENCES:

1. R Gupta's NCC Navy wing, Ramesh Publishing House, New Delhi, 2021.
2. Cadet Hand Book (Common Subjects), published by DGNCC.
3. Cadet Hand Book (Specialized Subjects), published by DGNCC.
4. <https://modernschoolnaapur.edu.in/ncc-study-material/>
5. <https://nccorissa.org/old/Doc/Ncc-CadetHandbook.pdf>
6. <https://indiancc.nic.in/enos-handbook/>

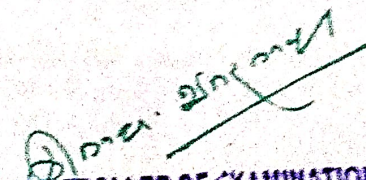
COURSE LEARNING OUTCOME

After completion of this Course Cadets will be able to

- Get training on Naval Organization
- Have basic knowledge of Naval Communication.
- Understand basic knowledge about Seamanship.
- Provide knowledge about Ship Modelling
- Provide knowledge of renowned Military Generals, PVCs and Indo-Pak Wars



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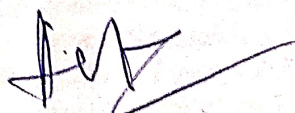
REFERENCES :

1. <https://modernschoolnagpur.edu.in/wp-content/uploads/2020/02/IDJW-Final-AF.pdf>
2. R Guptas NCC Air Force. Ramesh Publishing House, New Delhi, 2021.
3. <https://modernschoolnagpur.edu.in/ncc-study-material/>
4. <https://nccorissa.org/old/Doc/Ncc-CadetHandbook.pdf>
5. <https://indiancc.nic.in/anos-handbook/>
6. Cadet Hand Book (Common Subjects), published by DGNCC.
7. Cadet Hand Book (Specialized Subjects), published by DGNCC.
8. IFA (Air Force) Manual, Controller General of Defence Accounts, New Delhi, 2008.

COURSE LEARNING OUTCOME:

After completion of this Course Cadets will be able to

- Understand basic knowledge of IAF
- Understand basic knowledge of Air Campaigns
- Provide knowledge about Aero Modelling
- Understand the principles of flight
- Know the Parts of Aircraft.
- Understand Airfields
- Know about wireless communication and Leadership traits.



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SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	INDIAN ECONOMY	Core-VIII					4	5	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										
UNIT	Contents										No. of Hours
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
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
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
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
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											

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Course Outcomes		Programme Outcome
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 72 nd Edition.	
2	Kaushik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3 rd 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 21 st 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/	

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Mapping with Programme Outcomes:

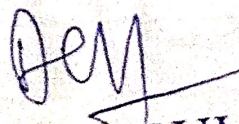
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	2	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	2.8	2.8	3.00

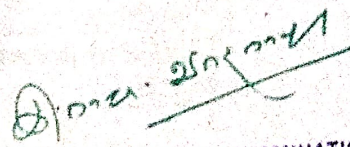
S-Strong-3 M-Medium-2 L-Low-1

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

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


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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

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

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Economics of Artificial Intelligence

Course Objective:

To provide students with an overview of the effects of artificial intelligence on the global economy.

To motivate the analysis of economic concepts using case studies and empirical applications.

To enhance students' skills in using theoretical tools to formulate and solve economic problems. Course Learning Outcomes:

Students will be able to gain a deep understanding of the economic aspects of artificial intelligence.

1. Macroeconomics of AI & Growth Theories

General Purpose Technology (GPT): Studying AI alongside historical milestones like electricity and the internet.

Productivity & GDP: Estimating multifactor productivity (TFP) and modeling direct or indirect GDP growth.

Economic Forecasting: Using neural networks, natural language processing (NLP), and time-series models to predict inflation, supply chain disruptions, and financial crises.

2. Labor Markets & Inequality

Labor Displacement vs. Complementarity: Analyzing how AI substitutes routine tasks but complements highly analytical roles.

Wage Polarization: Studying the widening income gaps between capital owners and labor, and high-skill vs. low-skill workers.

Policy Intervention: Designing upskilling and reskilling initiatives and evaluating welfare or basic income policies.

3. Microeconomics, Markets & Pricing

Algorithmic Pricing: How dynamic pricing, hyper-personalization, and automated trading affect market competition and monopolies.

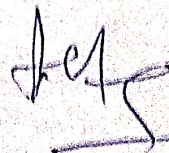
Consumer Behavior: Studying machine learning-driven recommender systems and their impact on consumer surplus.

FinTech & Credit: Evaluating AI's role in assessing alternative data to expand financial inclusion and micro-lending.

4. Game Theory, Policy, & Regulation

Cooperative and Non-cooperative Games: Formulating Bayesian games and mechanism design for economic applications.

Causality & Attribution: Using tools like Shapley value analysis and Granger Causality to understand algorithmic decision-making.



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Governance: Addressing data privacy, intellectual property rights, and regulatory frameworks.

5. Policy, Regulation, and Ethics

Market Competition and Monopolies: The economics of scale in AI (e.g., data moats, cloud infrastructure dominance) and the role of antitrust policies.

Ethical and Regulatory Frameworks: Addressing algorithmic bias, data privacy, and intellectual property rights.

Suggested Readings:

Agrawal, Ajay, Gans, Joshua, and Avi Goldfarb, Prediction Machines, The Simple Economics of Artificial Intelligence, Harvard Business Review Press, 2018.

Ajay Agrawal, Joshua Gans and Avi Goldfarb, The Economics of Artificial Intelligence. OUP, 2019. Nicholas Negroponte, Being Digital, Alfred a Knopf Inc, 1999

<http://governance40.com/wp-content/uploads/2018/12/Nicholas-Negroponte-Being-Digital-Vintage-1996.pdf>

References:

Andrew McAfee and Erik Brynjolfsson, Machine, Platform, Crowd: Harnessing Our Digital Future: W. W. Norton & Company, 2017.

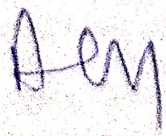
Andrew McAfee and Erik Brynjolfsson, Race against the Machine: How the Digital Revolution is Accelerating Innovation, Driving Productivity, and Irreversibly Transforming Employment and the Economy, Digital Frontier Press, 2012.

Brynjolfsson, Eric, & McAfee, A. The second machine age: Work, progress, and prosperity in a time of brilliant technologies, WW/ Norton & Company, 2014.

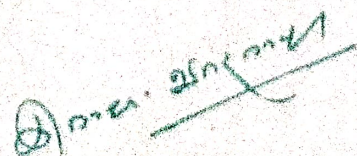
David Harel, Computers Ltd.: What They Really Can't Do, Oxford University Press, 2003.

Jaron Lanier, Who Owns the Future, Simon & Schuster, 2014.

Schwab, K. The Fourth Industrial Revolution. Crown Business, 2017 The Future of Global Value Chains Business as Usual or "A New Normal"? STI Policy Note, September 2017, OECD



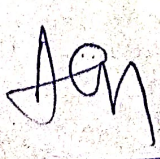
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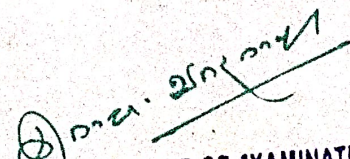


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SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	Modern Banking and Insurance	SEC-7					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										
UNIT	Contents									No. of Hours	
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	
II	Central Banks Functions of a Central Bank – Objectives of Monetary Policy – Effects and Limitations – Narasimhan Committee Report.									15	
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	
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	
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		


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CONTROLLER OF EXAMINATIONS
 RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS),
 THANJAVUR-613 005.

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

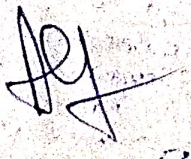
1	Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi
2	Heffernan, S. (2005). Modern Banking. John Wiley & Sons
3	Tyagi, C. L., & Tyagi, M. (2007). Insurance Law and Practice. Atlantic Publishers & Dist.
4	J. N. Jain, "Modern Banking and Insurance : Principles and Techniques", Regal publications, 2008
5	Prasada & Radhika Rao, "Trends of Modern Banking", BSP Publication, 2016

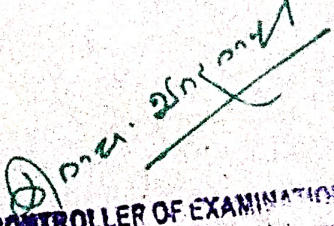
Reference Books

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/


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Mapping with Programme Outcomes:

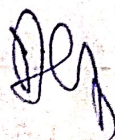
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	2.8	2.8	2.8	2.8	3.00

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

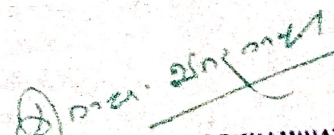
Level of Correlation between PSO's and CO's

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



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THANJAVUR-613 005.

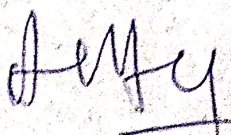
SCOND YEAR - SEMESTER -IV

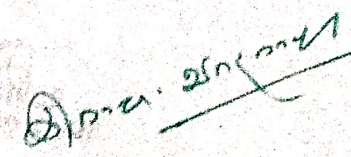
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	FINANCIAL MARKETS AND INSTITUTIONS	Discipline Specific Elective-VIII					3	5	25	75	100
Learning Objectives											
C1	To provides a comprehensive functions and operations of financial markets										
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.										
UNIT	Contents									No. of Hours	
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	
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	
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	
IV	Derivatives Market Classification of Stock Market and Securities – IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives.									15	
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	

CONTROLLER OF EXAMINATIONS
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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 Markets and Institutions. McGraw-Hill/Irwin.	
2	Mishkin, F. S., & Eakins, S. G. (2006). Financial Markets and 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 Financial Markets 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/	


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CONTROLLER OF EXAMINATIONS
 RAJASERFOJ GOVERNMENT COLLEGE (AUTONOMOUS)
 THANJAVUR-613 006.

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

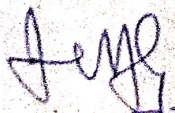
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RAJAH SERLOJI GOVERNMENT COLLEGE (Autonomous)
THANJAVUR-613 005.

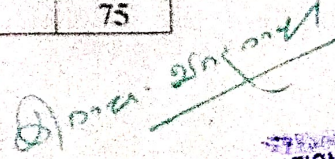
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SECOND YEAR - SEMESTER IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	ECONOMICS FOR INVESTORS	SEC-2					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										

UNIT	Contents	No. of Hours
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
II	Investment Avenues Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment - Insurance -Mutual Funds -Traded Funds.	14
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
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
V	Investment Methods and Strategies. Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management.	15
	Total	75


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 THANJAVUR-613 005.

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 ,TataMCGraw Hill, New Delhi	
3	Christopher D. Piro, 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.	BenjaminGraham(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

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CONTROL
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CONTROLLER OF EXAMINATIONS
RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS)
THANJAVUR-613 005.

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

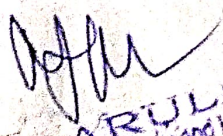
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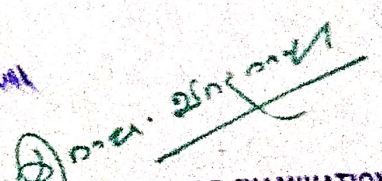
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CONTROLLER OF EXAMINATIONS
RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS)
THANJAVUR-613 009.

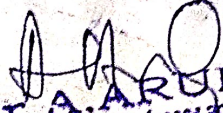
THIRD YEAR - SEMESTER-V

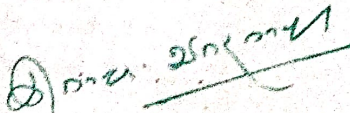
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MONETARY ECONOMICS	Core IX					4	5	25	75	100
Learning Objectives											
C1	To understand the theories that governs and its application										
C2	To explains working of the Monetary System and its 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										
UNIT	Contents									No. of Hours	
I	Money Definition, functions, Importance-Forms of Money- Supply of Money (M1, M2, M3, M4)-Crypto Currencies.									15	
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	
III	Monetarism Vs Keynesianism Monetarism Vs Keynesianism- Comparison- Determinants of Money Supply – Money Multiplier. Supply Side Policies of Inflation.									15	
IV	Commercial Banks Commercial Banks - Credit Creation – Role of Commercial Banks after Nationalisation- RBI's role in Commercial Banks - Narasimhan Committee Report.									15	
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		


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CONTROLLER OF EXAMINATIONS
 RAJAHMUNDRY GOVERNMENT COLLEGE (AUTONOMOUS)
 THIRUVANANTHAPURAM-513 005.

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/	


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CONTROLLER OF EXAMINATIONS
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 THANJAVUR-613 005.

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

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RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS)
THANJAVUR-613 005.

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	FISCAL ECONOMICS	Core -X					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										
UNIT	Contents										No. of Hours
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
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
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
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
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	

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CONTROLLER OF EXAMINATIONS
RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS)
THANJAVUR-613 005.

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/	

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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

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THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	INDUSTRIAL ECONOMICS	Core-XI					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										
UNIT	Contents									No. of Hours	
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	
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	
III	Industrial Licensing and Policies Industrial Licensing - MRTP Act - Industrial Policies - Industrial Productivity -Capacity Utilization - Industrial Sickness- Mergers and Acquisitions - Profitability and Efficiency.									14	
IV	Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives.									15	
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	

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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.I "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/	

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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

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THIRD YEAR - SEMESTER-V

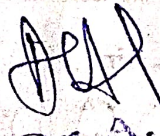
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	ENVIRONMENTAL ECONOMICS	Core - XII					4	5	25	75	100
Learning Objectives											
C1	To understand the theoretical basis of Environmental Economics										
C2	To choose the relevant economic tools 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										
UNIT	Contents									No. of Hours	
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	
II	Economics of Natural Resources Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources.									15	
III	Market Failure Environment as a Public Good - Tragedy of Commons- Externalities - Pigouvian Fee and Coase theorem on Property Rights.									12	
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	
V	Economics of Pollution Control Optimal level of Pollution - Regulation of Pollution through Economic Instruments - Command and Control Approach.									15	
	Total										

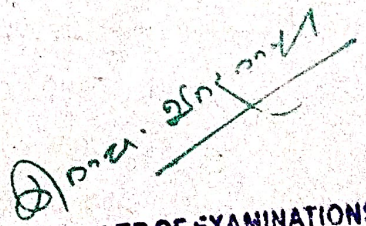
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Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Have a better understanding of Environment-Economy Linkages.	PO1, PO2,PO5
2	Apply environmental concepts to Economic Theories.	PO2,PO3
3	Create economic policies 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	Eugene .T Environmental Economics, Oxford University Press, New Delhi. (2014).	
4	Hanley N, Shogren JF, White B "Environmental Economics in Theory and Practice", 2nd Edition. Palgrave Macmillan, 2007	
5	Koistad, 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 3 rd 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	


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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

FIFTH YEAR - SEMESTER V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	COMPUTER APPLICATIONS IN ECONOMICS	SEC-3					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										
UNIT	Contents										No. of Hours
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
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										15

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	Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting.	
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
IV	Introduction to MS Excel Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs.	15
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 5 th Edition 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; 1 st Edition	
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.	

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4. MANAGERIAL ECONOMICS

Course Objectives

1. To develop and understand the applications of theory and science in managerial economics.
2. To discuss optimization in capital budgeting and investment decisions.

Unit I: Nature, Scope and Concepts of Managerial Economics

Managerial Economics – Meaning and Definition – Scope of Managerial Economics – Tools that aid in decision making process – Fundamental concepts of managerial economics – Uses of Managerial Economics, risk and uncertainty, role of managerial economists.

Unit II: Demand Forecasting

Meaning and Definition, Demand Estimation – Objectives of Demand Forecasting – Process of forecasting – short term and long term forecasting – Demand forecasting techniques - survey method and statistical method – criteria of a good forecasting method.

Unit III: Pricing Strategies

Price discrimination: First degree, Second degree and third degree price discrimination – Approached to Pricing: (a) Cost-plus pricing (b) target return pricing (c) product life cycle pricing: skimming strategy – penetration strategy (d) transfer pricing.

Unit IV: Break – Even Analysis and Capital Budgeting

Meaning and Definition – Concepts – BEA – contribution analysis, Profit Volume Ratio, Margin of Safety – Capital Budgeting – Meaning and Significance of capital budgeting.

Unit V: Investment Appraisal

The investment selection process – Estimating cash flows – Evaluating Investment: (a) payback method (b) net present value method – The cost of capital (a) dividend valuation model (b) Capital – asset pricing model.

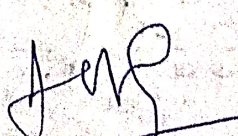
Text Books

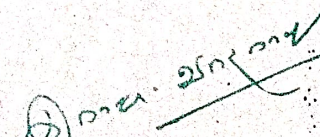
1. Managerial Economics, Yogesh Maheshwari, 2012.
2. Managerial Economics, H.L. Ahuja, 2018.

Reference Books

1. Howard Davies (1998), Managerial Economics, Pitman, London.
2. William Boyes (2005), The New Managerial Economics (Indian Adaptation Edition), New Delhi Biztantra.
3. Ahuja H.L. (2008), Managerial Economics (S. Chand & Co, New Delhi).

Web Resources


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1. <https://www.amazon.in/Managerial-Economics-Yogesh-Maheshwari-ebook/dp/B00K7BMJQA>
2. <https://www.kobo.com/in/en/ebook/managerial-economics-5>
3. <https://plato.stanford.edu/entries/game-theory/>

Course Outcomes (Cos):

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

CO Code	Course Outcomes	K-Levels
CO1	To define, explain and elaborate the scope of managerial economics.	K1, K2
CO2	To identify and elaborate the demand forecasting techniques.	K2, K6
CO3	To classify and discuss the pricing strategies.	K2, K6
CO4	To summarise and illustrate the BEP and Capital Budgeting.	K1, K2
CO5	To examine and discuss the investment appraisal.	K4, K6

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

CO-PO Mapping (Course Articulation Matrix)

CO / PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	3	3	3
CO2	3	3	3	3	3	3
CO3	3	3	3	3	3	3
CO4	3	3	3	3	3	3
CO5	3	3	3	3	3	2
Weightage	15	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's

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

Assign the value

1 – Low

2 – Medium

3 – High

0 – No Correlation

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References:

1. Brijesh C. Purohit(2020) Economics Of Public And Private Healthcare And Health Insurance In India Sage Publications Private Limited.
2. Jery D, Josephin Dr. Jeyasingh, Dr.D. Solomon Raj (2016) Health Economics, Greative Crows.
3. Kesavan Sreekantan Nair (2022) Health Economics and Financing New Century Publications

WEB RESOURCES

1. <https://www.who.int/>
2. <https://mohfw.gov.in/>
3. <https://www.ayush.gov.in/>

Course Outcomes (COs):

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

No.	Course Outcomes	K-Levels
CO1	Understand the importance of Health in Economic Development.	K1, K2, K3
CO2	Gain Knowledge on the various Health Indicators	K3, K4, K5
CO3	Evaluate the importance of Public and Private Health care systems	K3, K4, K5
CO4	Compare the various Health Insurance Schemes	K2, K3, K4
CO5	Analyse the Rural and Urban Health Scenario	K4, K5

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

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CO-PO Mapping (Course Articulation Matrix)

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

Level of Correlation between PSO's and CO's

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

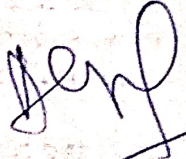
Assign the value

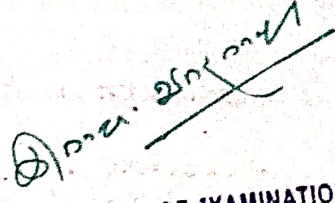
1 – Low

2 – Medium

3 – High

0 – No Correlation


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Credits : 2
Medium of Instruction : English / Tamil

Hours/Week : 2
Code : B5DM

இளநிலை பட்ட வகுப்பு - பகுதி - IV

(2026 - 2027 ஆம் கல்வியாண்டு முதல் சேர்க்கப்பட்ட மாணவர்களுக்குரியது)

ஜந்தாம் பருவம்

DISASTER MANAGEMENT (பேரிடர் மேலாண்மை)

Course Description

Disasters pose serious threats to human life, property, infrastructure, and the environment. Increasing urbanization, climate change, environmental degradation, and technological developments have intensified disaster risks across the world. This course introduces students to the concepts of disaster risk reduction and management, enabling them to understand disaster risks, adopt preparedness measures, and contribute to building resilient communities. The course also familiarizes students with disaster governance in Tamil Nadu and highlights the importance of community participation, environmental sustainability, and responsible citizenship in reducing disaster risks.

Course Objectives

Upon completion of the course, students will be able to:

1. Understand the concepts and significance of disaster risk reduction and management.
2. Identify different types of natural and human-induced disasters.
3. Understand disaster preparedness, mitigation, response, and recovery measures.
4. Recognize the role of individuals, communities, and institutions in disaster management.
5. Develop awareness and skills for disaster preparedness and resilience.

UNIT I – Fundamentals of Disaster Risk Reduction

Disaster: Meaning and Characteristics - Hazard, Risk, Vulnerability and Capacity - Disaster Risk Reduction (DRR): Concept and Importance - Disaster Management Cycle: Prevention – Mitigation – Preparedness – Response – Recovery – Rehabilitation - Community Resilience.

UNIT II – Types of Disasters

Natural Disasters: Earthquakes – Floods – Cyclones – Tsunami – Drought – Landslides - Heat Waves and Lightning - Sea-Level Rise - Human-induced Disasters: Fire Accidents - Industrial and Chemical Disasters - Biological Emergencies and Pandemics - Air Crashes, Road and Rail Accidents - Environmental Pollution.

UNIT III – Disaster Preparedness and Emergency Response

Early Warning Systems - Disaster Preparedness at Home, School and Workplace - Emergency Kits - Evacuation Procedures - First Aid Awareness - Search and Rescue Basics - Fire Safety - Relief and Rehabilitation - Psychological Support during Disasters

UNIT IV – Disaster Governance in India

Disaster Management Act, 2005 - National Disaster Management Authority (NDMA) - National Disaster Response Force (NDRF) - State and District Disaster Management Authorities - Role of Local Bodies - NGOs - Sendai Framework for Disaster Risk Reduction

- Sustainable Development Goals (SDG) and Disaster Resilience.

UNIT V – Building Disaster-Resilient Communities

Disaster Resilience: Concept and Importance - Community-Based Disaster Risk Reduction (CBDRR) - Disaster Risk Reduction in Educational Institutions - Role of Volunteers and Civil Society - Best Practices in Disaster Risk Reduction: Selected Case Studies from India - Odisha Cyclone Preparedness Model, 2004 Indian Ocean Tsunami, COVID-19 Pandemic.

Practical / Experiential Learning (NON-EXAMINATION COMPONENT)

Students shall undertake any one of the following:

- Preparation of a Family Disaster Preparedness Plan.
- Campus Hazard Mapping.
- Awareness Campaign on Disaster Preparedness.
- Preparation of an Emergency Survival Kit.
- Participation in a Mock Drill.
- Visit to Fire and Rescue Services or District Disaster Management Office.
- Case Study of a Major Disaster in India.

Course Outcomes (COs)

After completing the course, students will be able to:

CO1: Explain the basic concepts and principles of disaster risk reduction and management.

CO2: Identify various natural and anthropogenic disasters and assess their impacts.

CO3: Demonstrate awareness of disaster preparedness, emergency response, and safety measures.

CO4: Describe the institutional framework for disaster management in India.

CO5: Promote disaster-resilient practices in families, educational institutions, and communities.

Text Books

1. Subramanian, R. *Disaster Management*. New Delhi: Vikas Publishing House, 2018.
2. S.C. Sharma, *Disaster Management*, New Delhi: Khanna Publishing House, 2019.
3. D.B.N. Murthy, *Disaster Management Text and Case Studies*, New Delhi: Deep & Deep Publications, 2008.
4. Shrivastava, A.K. *Text book of Disaster Management*, Jodhpur: Scientific Publishers, 2020.
5. Rajendra K. Pandey, *Disaster Management in India: Policies, Institutions, Practices*, New York: Routledge, 2023.

References

1. Alexander, David. *Principles of Emergency Planning and Management*. Oxford University Press, 2002.
2. Carter, W. Nick. *Disaster Management: A Disaster Manager's Handbook*. Asian Development Bank, Manila, 2008.
3. Coppola, Damon P. *Introduction to International Disaster Management*. 4th ed., Butterworth-Heinemann/Elsevier, 2020.
4. Government of India. *The Disaster Management Act, 2005*, New Delhi: Government of India.
5. National Disaster Management Authority (NDMA). *National Disaster Management Plan*, New Delhi: Government of India, 2019.
6. National Institute of Disaster Management (NIDM). *Training Designs and Modules on Disaster Risk Reduction*, Government of India.
7. Tamil Nadu State Disaster Management Authority. *District Disaster Management Plan - 2024, Thanjavur District*.

[Signature]
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8. United Nations Development Programme (UNDP). *Reducing Disaster Risk: A Challenge for Development*.
9. United Nations Office for Disaster Risk Reduction (UNDRR). *Sendai Framework for Disaster Risk Reduction 2015–2030*.
10. Wisner, Ben, Piers Blaikie, Terry Cannon, and Ian Davis. *At Risk: Natural Hazards, People's Vulnerability and Disasters*. 2nd ed., Routledge, 2003.
11. World Bank. *Building Resilient Communities: Risk Management and Response to Natural Disasters*.

Online Resources

1. India Meteorological Department (IMD)
2. Indian National Centre for Ocean Information Services (INCOIS)
3. National Disaster Management Authority (NDMA)
4. National Disaster Response Force (NDRF)
5. National Institute of Disaster Management (NIDM)
6. Tamil Nadu State Disaster Management Authority (TNSDMA)
7. TNSDMA Digital Library
8. United Nations Office for Disaster Risk Reduction (UNDRR)

CO–PO Mapping Matrix

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	2	1	2	1	–	1
CO2	3	3	1	3	1	–	1
CO3	2	3	2	3	2	2	2
CO4	2	2	2	2	3	3	1
CO5	2	3	2	3	3	3	3

Question Paper Pattern

Maximum Marks : 50

Exam Duration : 3 Hours

Part A - $5 \times 10 = 50$ (5 Out of 8, atleast One Question from each Unit)

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THIRD YEAR - SEMESTER - VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	URBAN ECONOMICS	Discipline Specific Elective - VIII					3	5	25	75	100

Learning Objectives

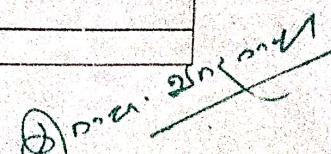
C1	To know the role of Urban Economics and its growth structure
C2	To understand the basic economic principles in Urban Economics.
C3	To describes the various urban infrastructures and its functions
C4	To provide understanding about urbanization and its aspects.
C5	To familiarize the students about migration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

UNIT	Contents	No. of Hours
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

II	Concept, Causes and Problems of Urbanisation Urbanization – Concept– Urban Morphology - Causes and Issues of Urbanization- Sustainable Urbanization.	15
III	Urban Infrastructure Urban Infrastructure- Transportation – Electricity - Water Supply - Slums, Housing and Urban Renewal -Public Health.	16
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
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	PO1,PO2


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	Impact	
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	Ahluwalia, 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.	Brian 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).

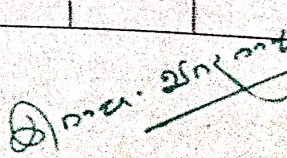
Web Resources

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


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4.	Kerns (1992) Essentials of Microsoft Windows, Word and Excel, Prentice Hall
5.	Kavindra Kumar Singh (2014) Computer Applications in Management DreamTech
Web Resources	
1.	https://www.excel-easy.com/basics.html
2.	https://excelchamps.com/excel-basics/
3.	https://edu.gcfglobal.org/en/topics/excel/
4.	https://trumpexcel.com/learn-excel/
5.	https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup

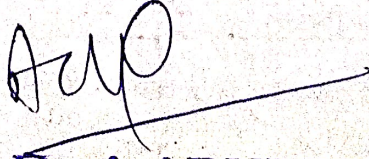
Mapping with Programme Outcomes:

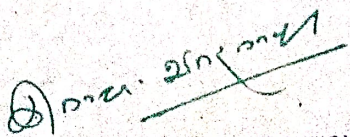
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	2	3	3	3	3	3
Weightage	15	14	14	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	3.0	3.0	3.00

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


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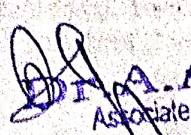
THIRD YEAR - SEMESTER -VI

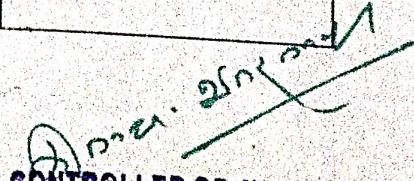
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	INTERNATIONAL ECONOMICS	Core-XIII					4	6	25	75	100

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

UNIT	Contents	No. of Hours
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
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
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
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


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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

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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

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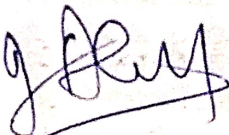
Mapping with Programme Outcomes:

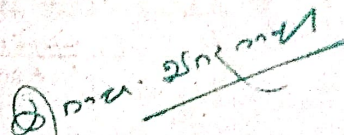
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	2.8	2.8	2.8	2.8	3.00

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

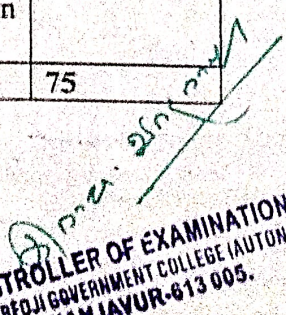

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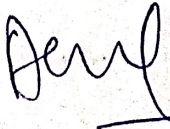
THIRD YEAR - SEMESTER -VI

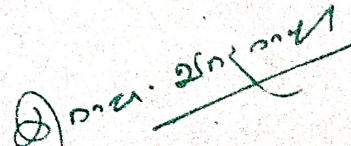
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	DEVELOPMENT ECONOMICS	Core - XIV					4	6	25	75	100
Learning Objectives											
C1	✓ To focuses on themes that cut across core values in development economics										
C2	✓ To describes the various 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										
UNIT	Contents	No. of Hours									
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									
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									
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									
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									
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									


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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, 41 st Edition.	
3	Dutt, A. (2003). Development Economics and Structuralist Macroeconomics. Edward Elgar Publishing.	
4	Debraj Ray, "Development Economics", Oxford Indian Paperbacks, 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, 12 th Edition	
2.	Taneja & R. M. Myre M.L. (2017), Economics of Development and Planning, Vikas Publishing Co., 15 th Edition	
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/	


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Mapping with Programme Outcomes:

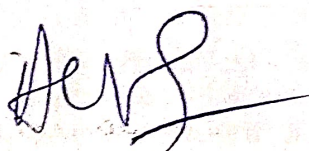
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	3.0	2.8	2.8	3.00

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

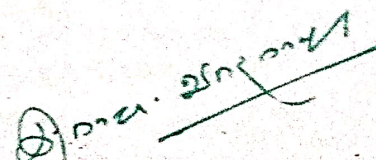
Level of Correlation between PSO's and CO's

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



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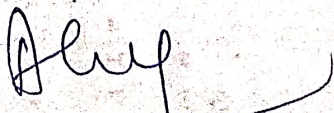
THIRD YEAR - SEMESTER - VI

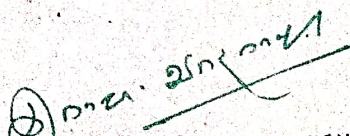
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	AGRICULTURAL ECONOMICS	Core - XV					4	6	25	75	100
Learning Objectives											
C1	✓ To probe into the various issues in agricultural Labour										
C2	✓ To understand the marketing, Finance and Price 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.										
UNIT	Contents								No. of Hours		
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		
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		
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		
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		
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		

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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	


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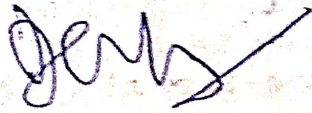
Mapping with Programme Outcomes:

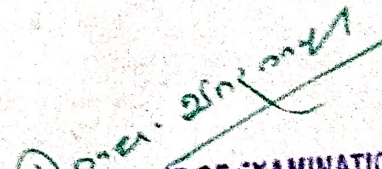
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

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

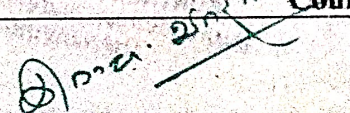
S-Strong-3 M-Medium-2 L-Low-1

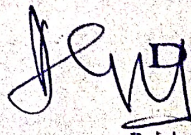

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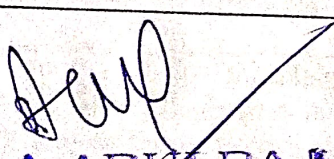
THIRD YEAR-SEMESTER - V

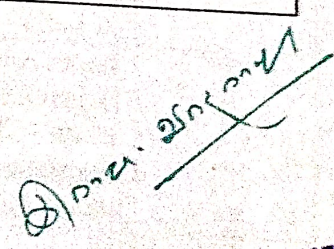
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	ENTREPRENEURIAL ECONOMICS	SEC-4					1	1	25	75	100
Learning Objectives											
C1	To describes the factors influencing entrepreneurship										
C2	To know the various theories of motivation and its 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.										
UNIT	Contents									No. of Hours	
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	
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	
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	
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	
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		


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		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. McQuaid and Jo Campling, "Entrepreneurial economics", Palgrave Macmillan 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/	


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Mapping with Programme Outcomes:

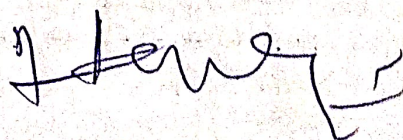
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	2	3	3	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	3.0	2.8	2.8	3.00

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

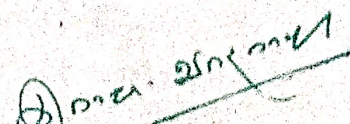
Level of Correlation between PSO's and CO's

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



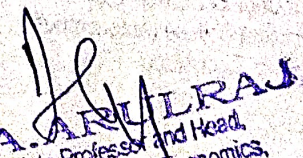
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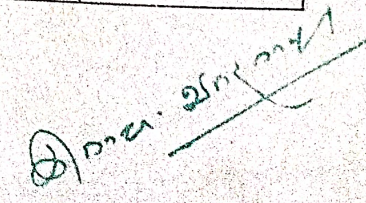


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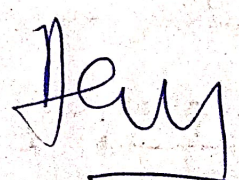
THIRD YEAR - SEMESTER-VI

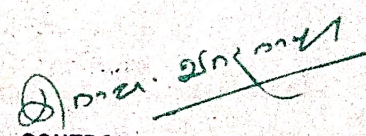
Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MANAGERIAL ECONOMICS	Discipline Specific Elective-V					3	5	25	75	100
Learning Objectives											
C1	To develop analytical and problem-solving skills among the students.										
C2	To enable students 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.										
UNIT	Contents								No. of Hours		
I	Introduction Nature and Scope of Managerial Economics - Meaning - Characteristics- Importance-Role and Responsibilities of Managerial Economist – Basic Economic Tools in Managerial Economics.								15		
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		
III	Pricing Policies and Practices Objectives - Popular Pricing Methods and Strategies- Price Discounts and Differentials- Pricing by Manufacturers and Retailers- Price Forecasting.								12		
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		
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		


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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	


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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

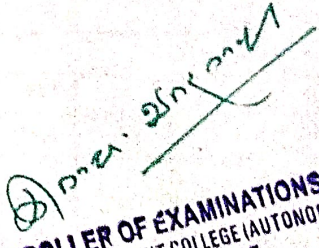
S-Strong-3 M-Medium-2 L-Low-1

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


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Credits : 2
Medium of Instruction : English / Tamil

Hours/Week : 2
Code: B6GS

இளநிலை பட்ட வகுப்பு - பகுதி - IV

(2026 - 2027 ஆம் கல்வியாண்டு முதல் சேர்க்கப்பட்ட மாணவர்களுக்குரியது)

ஆறாம் பருவம்

பாலின சமத்துவம் (Gender Studies)

Course Objectives

1. To make boys and girls aware of each other strengths and Weakness.
2. To develop sensitivity towards both genders in order to lead an ethically enriched life.
3. To promote attitudinal change towards a gender balanced ambience and women empowerment.

அலகு - 1

பாலினம் தொடர்பான கோட்பாடுகள்: பாலியல் - பாலினம் - உடற்கூறுரீதியாக நிர்ணயித்தல் - ஆணாதிக்கம் - பெண்ணியம் - பாலின பாகுபாடு - பாலின வேலைப்பாகுபாடு - பாலின ஒருபடித்தானவைகள் - பாலின உணர்வுபட்டல் - பாலின சமவாய்ப்பு - பாலின சமத்துவம் - பாலின மையநீரோட்டமாக்கல் - அதிகாரப்படுத்துதல்.

அலகு - 2

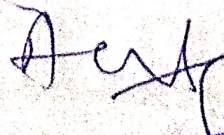
மகளிரியல் Vs பாலின சமத்துவக்கல்வி - பல்கலைக்கழக மானியக்குழுவின் வழிகாட்டுதல்கள் - ஏழாவது ஐந்தாண்டுத் திட்டம் முதல் பதினோராவது ஐந்தாண்டுத் திட்டம் - பாலின சமத்துவக்கல்வி: பெய்ஜிங் மாநாடு மற்றும் பெண்களுக்கு எதிரான அனைத்து வன்முறைகளையும் ஒழிப்பதற்கான சர்வதேச உடன்படிக்கை - இணைத்தல் / உட்படுத்துதல் - ஒதுக்கல்.

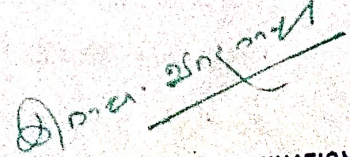
அலகு - 3

பாலியல் பாகுபாட்டிற்கான தளங்கள்: குடும்பம் - பாலின விகிதாச்சாரம் - கல்வி - ஆரோக்கியம் - ஆளுமை - மதம் - வேலை Vs வேலை வாய்ப்பு - சந்தை - ஊடகங்கள் - அரசியல் - சட்டம் - குடும்ப வன்முறை - பாலியல் துன்புறுத்தல் - அரசு கொள்கைகள் மற்றும் திட்டங்கள்.

அலகு - 4

பெண்கள் மேம்பாடு மற்றும் பாலின சமத்துவ மேம்பாடு: முயற்சிகள் - சர்வதேச பெண்களுக்கான தசாப்தம் - சர்வதேச பெண்கள் ஆண்டு - பெண்களின் மேம்பாட்டிற்கான தேசிய கொள்கை - பெண்கள் அதிகார ஆண்டு 2001 - சர்வதேச கொள்கைகளை மைய நீரோட்டமாக்கல்.


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பெண்கள் இயக்கங்கள் மற்றும் பாதுகாப்பு நிறுவன ஏற்பாடுகள்: தேசிய மற்றும் மாநில மகளிர் ஆணையம் - அனைத்து மகளிர் காவல் நிலையங்கள் - குடும்ப நீதி மன்றங்கள் - குடும்ப வன்முறையிலிருந்து பெண்களைப் பாதுகாக்கும் சட்டம் 2005 - பணியிடங்களில் பெண்கள் மீதான பாலியல் துன்புறுத்தல்களை தடுப்பதற்கான உச்சநீதிமன்ற வழிகாட்டுதல்கள் - தாய்சேய் சேமநலச் சட்டம் பெண்களின் கருவிலேயே கண்டறியும் தொழில் நுட்பம் (முறைப்படுத்துதல் மற்றும் தவறாக பயன்படுத்துதலை தடை செய்திடும்) சட்டம் - ஈவ்ஃசிங் (பெண்களை தொல்லை செய்தல்) தடுப்புச் சட்டம் - சுய உதவிக் குழுக்கள் - பஞ்சாயத்து அமைப்புகளுக்கான 73வது மற்றும் 74வது சட்டத்திருத்தம்.

REFERENCE BOOKS

1. Saha Chandana, Gender Equity and Gender Equality: Study of Girl Child in Rajasthan, Jaipur: Rawat Publication, 2003
2. Misra Geetanjali, Chandiramani Radhika (ed.) Sexuality, Gender and Rights: Exploring Theory and Practice in South and Southeast Asia, New Delhi : Sage Publication, 2005
3. Krishna Sumi, (ed.), Livelihood and Gender: Equity in Community Resource Management, New Delhi : Sage Publication, 2004
4. Sexual Harassment at the Workplace – A Guide , New Delhi ;Sakshi,1999

Course Outcomes		Cognitive level
At the end of the course, the students will be able to		
CO-1	Understand the problems of gender bias in the society	Understanding
CO-2	Know and Recollect the legal safety measures available to protect from the gender discrimination	Remembering
CO-3	Analyse the ways in which social institutions and power structures impact the material realities of women's lives	Remembering
CO-4	Demonstrate an openness to learn the views from the view of a women	Applying
CO-5	Develop equitable and just thinking towards women	Applying

Question Paper Pattern

Maximum Marks : 75

Exam Duration : 3 Hours

Part A - 5 x 6 = 30 (5 Out of 7 atleast 1 Question from each Unit)

Part B - 3 x 15 = 45 (3 Out of 5 Asses Question from each Unit)

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