ETHIRAJ COLLEGE FOR WOMEN
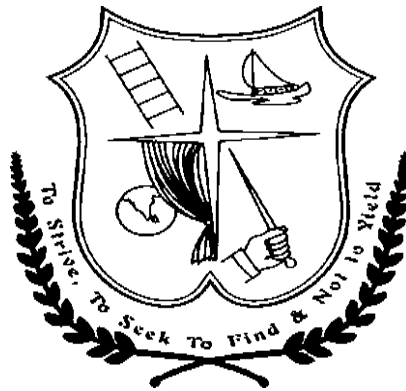
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Chennai - 600 008

POST GRADUATE & RESEARCH

DEPARTMENT OF ECONOMICS

B. A. ECONOMICS

Syllabus

Choice Based Credit System

Outcome Based System

(Offered from the Academic Year2018-2019)

CONTENTS

DEPARTMENT OF ECONOMICS

REVISED SYLLABUS OF JUNE 2018

Department of Economics is revising syllabi with effect from the academic year 2018- 2019 with CBCS and Part IV and Part V components as specified by the Government of Tamil Nadu. Part IV and Part V components will seek to build the capacity of the students and provide inputs for their social service and social analysiscapabilities.

Every academic year is divided into two semester sessions. Each semester will have a minimum of 90 working days and each day will have 5 working hours. Teaching is organized into a modular pattern of credit courses. Credit is normally related to the number of hours a teacher teaches a particular subject. It is also related to the number of hours a student spends learning a subject or carrying out an activity.

PREAMBLE

The Department of Economics submits changes and additions suggested in the M.Phil, PG and UG curricula that are given in the ensuingpages.

- Reorganization of Courses in the UG programmes as specified byTANSCHE
- Modification of course content in courses based on employability of the students and the needs of theindustries.
- Changes in the course title are based on revised contents ofcurricula.
- Introduction of new innovative skill basedcourses.

REGULATIONS

1. ELIGIBILITY FORADMISSION:

Candidates for admission to the first year of the Degree of **B.A. Economics** course shall be required to have passed the Higher Secondary Examinations conducted by the Government of Tamil Nadu or an Examination accepted as equivalent thereto by the Syndicate of the University of Madras.

2. ELIGIBILITY FOR THE AWARD OFDEGREE:

A candidate shall be eligible for the award of the Degree only if she has undergone the prescribed course of study for a period of not less than three academic years and passed the examinations of all the six semestersprescribed.

3. COURSE OFSTUDY:

The main subject of study for Bachelor Degree shall consist of the following:

PARTI   :   Foundation Courses exclusive forLanguages

PART II   :   English

PART III   :   Core and Allied Courses.

PART IV   :   Non - Major Electives and Soft Skill Subjects.
PART V   :   Extension Activities / Sports / NCC / NSS / YRC / ROTRACT/ CSS.

4. PASSINGMINIMUM:

A candidate shall be declared to have passed in each paper/practical of the main subject of study wherever prescribed, if she secured NOT LESS THAN 40% of the marks prescribed for the examination.

5. CLASSIFICATION OF SUCCESSFULCANDIDATES:

Part I, II, III & IV

Successful candidates passing the examination and securing the marks (i) 60 percent and above and (ii) 50 percent above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND classes respectively. All other successful candidates shall be declared to have passed the examination in the THIRDclass.

Candidates who pass all the examinations (Part I, II, III and IV) prescribed for the course in the FIRST APPEARANCE ITSELF ALONE are eligible for ranking.

Programme Educational Objectives

On obtaining an undergraduate degree the students will be able to:

PEO1:   Apply and advance the knowledge and skills acquired, to become a creative professional in their chosen field.

PEO2:   Engage in self-directed continuous learning, aimed at global competency, which will promote professional and personal growth

PEO3:   Develop management skills and entrepreneurial skills, by harnessing core competencies tempered by values and ethics

PEO4:   Work towards achieving economic and social equity for women through application of relevant knowledge

PEO5:   Contribute to promoting environmental sustainability and social inclusivity

Programme Outcomes

(Arts Stream)

Undergraduate Course

1. Apply the knowledge gained through the study of humanities to address Political, Socio – Economic and gender issues.

2. Critically engage with history, linguistic, culture, economy, inclusivity and environment.

3. Aid in the application of mathematical, Statistical and econometric tools in solving realistic economic problems.

4. Inculcate skills to evaluate, innovate and integrate the contemporary issues and motivate further learning.

5. Enhance their ethical values, communicative and employability skills.

6. Gain quality education, global in perspective to contribute towards holistic development.

Program Specific Outcomes

B.A. Economics

- ➤ To acquire knowledge on economic concepts, theories, models and strategies.

- ➤ To trace the evolution of various schools of thought to facilitate policy making

- ➤ To acquaint with analytical tools in Mathematics, Statistics, Econometrics and Accounts.

- ➤ To develop competency on the communication skills to encourage for further study and employment

- ➤ To recognize economic issues at regional, national and in the global scenario

- ➤ To respond to the socio-economic challenges prevalent in the society.

Programme Profile – B.A. Economics

SEM	PART	COURSE CODE	TITLE OF THE PAPER	CREDITS	HOURS	TOTAL HOURS	CA	SA	T
I	I		Tamil /Hindi/French/Sanskrit	3			40	60	100
	II		Foundation English I	3			40	60	100
	III	EC18/1C/MIE	Micro Economics	4	5	75	40	60	100
	III	EC18/1C/BME	Basic Mathematics for Economics	4	5	75	40	60	100
	III Optional		Geography of India	5	6	90	40	60	100
			Survey of Indian History	5	6	90	40	60	100
		EC18/1A/BAY	Basic Accountancy	5	6	90	40		100
	IV	EC18/1N/TNP	Training for Competitive Examinations	2	2	30		50	50
	IV		Soft Skill	3				50	50
II	I		Tamil /Hindi/French/Sanskrit	3			40	60	100
	II		Foundation English II	3			40	60	100
	III	EC18/2C/MAE	Macro Economics	4	5	75	40	60	100
	III	EC18/2C/CFE	Calculus For Economics	4	5	75	40	60	100
	III Optional		Geography of Tourism	5	6	90	40	60	100
			Survey of Contemporary India	5	6	90	40	60	100
		EC18/2A/MBI	Modern Banking and Insurance	5	6	90	40	60	100
	IV	EC18/2N/QSI	Questionnaire and Social Issues	2	2	30		50	50
	IV		Soft Skill	3				50	50
III	I		Tamil /Hindi/French/Sanskrit	3			40	60	100
	II		Foundation English III	3			40	60	100
	III	EC18/3C/MOE	Monetary Economics	4	5	75	40	60	100
	III	EC18/3C/SFE	Statistics for Economics	4	5	75	40	60	100
	III	EC18/3A/RUE	Rural Economics	5	6	90	40	60	100
	IV		Soft skill	3				50	50
	IV		Environmental Science	2				50	50
IV	I		Tamil /Hindi/French/Sanskrit	3			40	60	100
	II		Foundation English IV	3			40	60	100
	III	EC18 /4C/INE	International Economics	4	5	75	40	60	100
	III	EC18/4C/BAE	Basic Econometrics	4	5	75	40	60	100
	III	EC18/4A/URE	Urban Economics	5	6	90	40	60	100
	IV		Soft Skill	3				50	50
	IV		Value Education	2				50	50
V	III	EC18/5C/DEI	Development of Economic Ideas	4	5	75	40	60	100
	III	EC18/5C/IEY	Indian Economy	4	5	75	40	60	100
	III	EC18/5C/OPR	Operations Research	4	5	75	40	60	100
	III	EC18/5C/FIE	Fiscal Economics	4	5	75	40	60	100
	III Optional Elective	EC18/E1/HES	Health Economics	5	6	90	40	60	100
		EC18/E1/IDE	Industrial Economics	5	6	90	40	60	100
		EC18/E1/POM	Principles of Marketing	5	6	90	40	60	100
VI	III	EC18/6C/ENE	Environmental Economics	4	5	75	40	60	100
	III	EC18/6C/TNE	Tamil Nadu Economy	4	5	75	40	60	100
	III	EC18/6C/CAE	Computer Applications in Economics	4	5	75	40	60	100
	III Mandatory Elective	EC18/E2/MNE	Managerial Economics	5	6	90	40	60	100
	Optional Elective	EC18/E3/AGE	Agricultural Economics	5	6	90	40	60	100
		EC18/E3/PRJ	Project	5	6	90	40	60	100
			Extension Activity	1					
			Total	**140**					

ALLIED SUBJECTS

Class	Course Code	Title of the Paper	Credits	Hours	Total Hours	CA	SA	Total
I B. Com CS	EC18/1A/BUE	Business Economics	5	6	90	40	60	100
I B. Com CS	EC18/2A/ITR	International Trade	5	6	90	40	60	100
IIB.Com (General)	EC18/3A/PRE	Principles of Economics	5	6	90	40	60	100
IIB.Com (General)	EC18/4A/ ITE	International Economics	5	6	90	40	60	100
II B.A (History)	EC18/3A/INY	Indian Economy	5	6	90	40	60	100
II B.A (History)	EC18/4A/TNY	Tamil Nadu Economy	5	6	90	40	60	100

Extra Credits (<u>Optional for Advanced Learners</u>)

1. MOOC Courses related to Economics or Interdisciplinary – (One Course per year)

Duration of the Course	No. of Credits
4 weeks	1
8 Weeks	2
12 Weeks	3

2. Internship (During Second year Summer Holidays –15 days = 1 Credit)

3. Self-Study Paper

    a. Gender Economics

    b. Behavioural Economics

EVALUATION PATTERN FOR CONTINUOUS ASSESSMENT –UG

INTERNAL VALUATION BY COURSE TEACHERS

PART III-THEORY PAPERS / PROJECT

COMPONENT	TIME	MAX.MARKS	CA MARKS
1.*TEST I	2 HRS	50 MARKS (TO BE CONVERTED)	10
2.*TEST II	2 HRS	50 MARKS (TO BE CONVERTED)	10
3. ASSIGNMENT/SEMINAR/FIELD VISIT			10
4. PARTICIPATORY LEARNING			10
TOTAL			40

PART IV-SKB/NME/SOFT SKILLS

COMPONENT	TIME	MAX.MARKS	*NO INTERNAL COMPONENTS*

CA QUESTION PAPER PATTERN-UG

Knowledge Level	Section	Word Limit	Marks	Total
K 1	A-6X2 marks	50	12	
K1, K 2	B-3/5x6 marks	200	18	50
K2, K 3	C-1/2x20 marks	1200	20	

RUBRICS FOR CONTINUOUS ASSESSMENTEVALUATION

Assignment	Content/Originality/Presentation/Schematic Representation and Diagram/Bibliography
Seminar	**Organisation/Subject Knowledge/Visual Aids/Confidence level/Presentation- Communication and Language**
Field Visit	**Participation/Preparation/Attitude/Leadership**
Participation	**Answering Questions/Clearing Doubts/Participating in Group Discussions/Regular Attendance**
Case Study	Finding the Problem/Analysis/Solution/Justification
Problem Solving	Understanding Concepts/Formula and Variable Identification/Logical Sequence/Answer
Group Discussion	Preparation/Situation Analysis/Relationship Management/Information Exchange/Delivery Skills
Flipped/Blended Learning	Preparation/Information Exchange/ Group interaction/Clearing doubts

- First four rubrics should be included.
- Others are optional based on teaching-learning methodology adopted for the programme of study

NON MAJORELECTIVES OFFERED BY THE DEPARTMENT TO OTHER DEPARTMENTS

Semester	Code	Title
I	EC18/1N/ TNP	Training for Bank and TNPSC Examinations
II	EC18/2N/ QSI	Questionnaire and Social Issues

END SEMESTER EVALUATION PATTERN-UG

THEORY PAPERS

PART III

SEMSTER I/II/III/IV/V/VI

DOUBLE VALUATION by COURSE TEACHER AND EXTERNAL EXAMINER

MAXIMUM MARKS: 100 TO BE CONVERTED TO 60

PASSING MARKS: 40

PROJECT

PART III

SEMSTER VI

DOUBLE VALUATION by COURSE TEACHER AND EXTERNAL EXAMINER

MAXIMUM MARKS: 60

PASSING MARKS: 24

NON-MAJOR ELECTIVES

PART IV

SINGLE VALUATION by COURSE TEACHER

WRITTEN TEST

MAXIMUM MARKS: 50

PASSING MARK:20

COURSE PROFILE-PROGRAMME OF STUDY

SEMESTER I

Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
	Language	3	6			40	60	100
	English	3	4			40	60	100
EC18/1C/MIE	Micro Economics	4	5	75	3/2/0	40	60	100
EC18/1C/BME	Basic Mathematics for Economics	4	5	75	3/2/0	40	60	100
	Geography of India	5	6	90		40	60	100
	Survey of Indian History	5	6	90		40	60	100
EC18/1A/BAY	Basic Accountancy	5	6	90	3/3/0	40	60	100
EC18/1N/TNP (For Other Dept Students)	Training for Competitive Examinations	2	2	30	1/1/0		50	50
Soft Skill		3	2				50	50
Total		24	30					

SEMESTER II

Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
	Language	3	6			40	60	100
	English	3	4			40	60	100
EC18/2C/MAE	Macro Economics	4	5	75	3/2/0	40	60	100
EC18/2C/CFE	Calculus For Economics	4	5	75	3/2/0	40	60	100
	Geography of Tourism	5	6	90		40	60	100
	Survey of Contemporary India	5	6	90		40	60	100
EC18/2A/MBI	Modern Banking and Insurance	5	6	90	3/3/0	40	60	100
EC18/2N/QSI (For Other Dept. Students)	Questionnaire and Social Issues	2	2	30	1/1/0		50	50
Soft Skill		3	2				50	50
Total			30	24				

SEMESTER III

Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
	Language	3	6			40	60	100
	English	3	4			40	60	100
EC18/3C/MOE	Monetary Economics	4	5	75	3/2/0	40	60	100
EC18/3C/SFE	Statistics for Economics	4	5	75	3/2/0	40	60	100
EC18/3A/RUE	Rural Economics	5	6	90	3/3/0	40	60	100
		3	2				50	50
Part IV	Environmental Science	2	2				50	50
Total		24	30					

SEMESTER IV

Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
	Language	3	6			40	60	100
	English	3	4			40	60	100
EC18 /4C/ INE	International Economics	4	5	75	3/2/0	40	60	100
EC18/4C/BAE	Basic Econometrics	4	5	75	3/2/0	40	60	100
EC18/4A/URE	Urban Economics	5	6	90	3/3/0	40	60	100
		3	2				50	50
	Value Education	2	2				50	50
Total		24	30					

SEMESTER V

Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
EC18/5C/DEI	Developmentof Economic Ideas	4	6	90	3/3/0	40	60	100
EC18/5C/IEY	Indian Economy	4	6	90	3/3/0	40	60	100
EC18/5C/OPR	Operation Research	4	6	90	3/3/0	40	60	100
EC18/5C/FIE	Fiscal Economics	4	6	90	3/3/0	40	60	100
EC18/E1/HES	Health Economics	5	6	90	3/3/0	40	60	100
EC18/E1/IDE	Industrial Economics	5	6	90	3/3/0	40	60	100
EC18/E1/POM	Principles of Marketing	5	6	90	3/3/0	40	60	100
Total		21	30					

SEMESTER VI

Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
EC18/6C/ENE	Environmental Economics	4	6	90	3/3/0	40	60	100
EC18/6C/TNE	Tamil Nadu Economy	4	6	90	3/3/0	40	60	100
EC18/6C/CAE	Computer Applications in Economics	4	6	90	3/2/1	40	60	100
EC18/E2/MNE (Mandatory Elective)	Managerial Economics	5	6	90	3/3/0	40	60	100
EC18/E3/AGE (Optional Elective)	Agricultural Economics	5	6	90	3/3/0	40	60	100
EC18/E3/PRJ (Optional Elective)	Project	5	6	90	3/2/1	40	60	100
Total		22	30					
	Extension Activity	1						
	Total	**140**						

ALLIED SUBJECTS

Class	Course Code	Title of the Paper	Credits	Hours	Total Hours	L-T-P	CA	SA	Total
I B. Com CS	EC18/1A/BUE	Business Economics	5	6	90	3/3/0	40	60	100
I B. Com CS	EC18/2A/ITR	International Trade	5	6	90	3/3/0	40	60	100
IIB.Com (General)	EC18/3A/PRE	Principles of Economics	5	6	90	3/3/0	40	60	100
IIB.Com (General)	EC18/4A/ ITE	International Economics	5	6	90	3/3/0	40	60	100
II B.A (History)	EC18/3A/INY	Indian Economy	5	6	90	3/3/0	40	60	100
II B.A (History)	EC18/4A/TNY	Tamil Nadu Economy	5	6	90	3/3/0	40	60	100

TEACHING METHODOLOGY ADOPTED BY THE COURSE TEACHERS

- Lecture (Chalk and Talk-OHP-LCD)

- Flipped Learning/Blended Classroom-E Content, Videos(you tube)

- Problem Solving-Group Discussion-Role Modelling

- Quiz-Seminar

- Peer Learning

- Power Point presentations

- Field Visits/Industrial visit

- Self-Study Papers

- Guest Lecture

- E-learning through ecweconomics blog

SEMESTER I

MICROECONOMICS

TOTAL HOURS: 75   **COURSE CODE: EC18/1C/MIE**

CREDITS: 4   **L-T-P:**   3/2/0

COURSE OBJECTIVES:

1. To expose the students to the basic concepts and theories in Micro Economics.
2. To enrich the students about the rational behaviour of consumers and producers

COURSE OUTLINE:

UNITI   **:**   Definitions – Scope and Methods of Economics – Scarcity and Choice –EconomicProblems - Basic Competitive Model – Prices, Property rights and Profits.

(10Hours)

UNITII   **:**   Individual Demand – Determinants of Demand – Derivation of MarketDemand Shifts in Demand – Supply – Determinants of Supply – Shifts in Supply–Concept of Elasticity and its Application - Consumer's Surplus - Producer's Surplus.

(15Hours)

UNIT III   **:**   Indifference Curve – Properties, Derivation of Demand curve – Nobel Laureate John Hicks (1972) – Income, Substitution and Priceeffects (Hicks)– Nobel laureate PaulSamuelson (1970) – Revealed PreferenceTheory.

(15Hours)

UNIT IV   **:**   Perfect Competition – Equilibrium of the Firm in Short Run and Long Run – Price & Output Determination – Monopoly – Short Run and Long Run Price & Output – Price Discrimination – Remedies for Monopoly – Antitrust Laws,Natural Monopoly.

(20Hours)

UNITV   **:**   Monopolistic Competition – Price & Output Determination – Oligopoly–Assumptions – Sweezy model – Theory of Factor Pricing – Marginal Productivity Theory – CollectiveBargaining.

(15Hours)

RECOMMENDED TEXTBOOKS:

1. H.L.Ahuja, Principles of Micro Economics, S. Chand & Company Ltd, New Delhi 2016.
2. Koutsoyiannis .A ;"Modern Micro Economics", Macmillan Press ,2013.

REFERENCE BOOKS:

1. Joseph E.Stiglitz and Carl E. Walsh, Economics, Norton Company, Inc, New York, International Student Edition, 4th Edition,2007.
2. Robert S. Pindyck and DanielL.RubinfeldMicro Economics, 9th Edition , Global Edition , Pearson
3. Karl E.Case and Ray C. Fair, Principles of Economics, Pearson Education, Inc, edition, 2007.
4. Austin Frakt, Mike Piper, "Microeconomics Made Simple", Simple Subjects, 2014
5. N. Gregory Mankiw, Economics: Principles and Applications, India edition by South Western, Cengage Learning India Private Limited, 8th edition,2016.

JOURNALS:

1. SAGE Journals- Studies in MicroEconomics
2. American Economic Journal: MicroEconomics on JSTOR

E-LEARNING RESOURCES:

1. econpapers.repec.org
2. https://www.economicsnetwork.ac.uk>el.
3. http://www.cengage.com
4. http://www.researchgate.net
5. https://www.tutor2u.net/economics

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO Number	CO STATEMENT
CO 1	Summarize Definition, Methods and Basic concepts in Micro Economics.
CO 2	Differentiate the behaviour of consumers and producers in theory and practice.
CO 3	Get an insight into the contribution of Nobel Laureates.
CO 4	Distinguish Market structures like Perfect and Imperfect Competitions.
CO 5	Gain practical knowledge on market structures along with Factor pricing theories.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	3	1	1	1
CO2	3	3	3	3	3	2
CO3	3	3	3	3	3	3
CO4	3	3	3	2	3	3
CO5	3	3	2	3	3	3
AVERAGE	3	2.8	2.8	2.4	2.6	2.4

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**		
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER I
BASIC MATHEMATICS FOR ECONOMICS

TOTAL HOURS: 75   **COURSE CODE: EC18/1C/BME**

CREDITS: 4   **LTP: 3/2/0**

COURSE OBJECTIVES:

1.   To integrate the concepts of Economics with the tools of Mathematics in order to analyseand make optimal decisions.
2.   To prove Economic relationships mathematically.

COURSE OUTLINE:

UNIT I   :   Introduction to Elementary Mathematics - Equations (Linear and Quadratic)-Simultaneous Equations - Functions, Linear– Quadratic-Cubic-Exponential- Logarithmic Functions- Graph-Slope and Intercept of a Function-Simple Applications of Functions in Economics: Derivation of Linear Demand and Supply Functions- Calculation of Market Equilibrium–(Single Product, Two Products and Three Products Market – Equilibrium Price and Quantity).

(15 Hours)

UNIT II :   Fundamentals of Matrix Algebra : Definition and Terms – Basic Operations in Matrices – Laws in Matrix Algebra – Matrix Expression of a set of Linear Equations, Transformation - Elementary Row Operations – Augmented Matrix – Normal Form of a Matrix – Row Echelon Form – Gaussian Method of Solving Linear Equations.

(15 Hours)

UNIT III :   Determinants - Non Singularity and Inverse - Properties – Singular, Non- singular Matrix – Minors and Cofactors – Transpose of a Matrix - Adjoint of a Matrix – Rank of Matrix _ Properties of Rank, Inverse Matrices – Properties of Inverse – System of Equations with Inverse – Cramer's rule – Characteristic Equations – Eigen values.

(15 Hours)

UNIT IV :   Input-Output Model: Leontief Static model – Open and Closed – Hawkins and Simon conditions - Solution to Open Model – Price system in Leontief Model.

(10 Hours)

UNITV :   Elements of Game Theory: Basic Concepts – Two Person Zero Sum Game – Saddle Point – Mixed Strategies – Dominance-Mathematical Formulations in Simple Cases and their Solutions.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. Edward T. Dowling, Theory and Problems of Mathematics for Economics, Schaum's Outline Series, McGraw Hill, New York,2012.
2. Mehta and Madnani, Mathematics for Economics, Sultan Chand, 9th Edition New Delhi, 2014

REFERENCE BOOKS:

1. Joan E. Weber., Mathematical Analysis, Herper International 4[th]Edition, Cambridge, 1982.

2. Geoff Renshaw., Maths for Economics, 4E,Oxford University Press,2016

3. Ian Jacques, Mathematics for Economics and Business, Ninth Edition, 2006.

4. Seymour Lipschutz., Linear Algebra, Schaum's Outline Series 3rd Edition,2017.

5. Mabbet, A.J., Workout Mathematics for Economists, Macmillan Master Series, 4th Edition London1986.

JOURNALS:

1. Journal of Mathematical Economics
2. Journal of Mathematical Economics and Finance

E-LEARNING RESOURCES:

1. https://academicearth.org/economics
2. http*s://*www.pearsonmylabandmastering.com*/northamerica/*mymathlab
3. https://ocw.mit.edu
4. https://oyc.yale.edu
5. https://www.edx.org/course/subject/economics-finance

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO Number	CO STATEMENT
CO 1	Use equations, diagrams and graphs to analyze economic relationships
CO 2	Apply matrices in solving problems in Economics
CO 3	Use determinants for solving mathematical problems
CO 4	Differentiate open and closed input models and the working of the economy
CO 5	Assess the behaviour of individuals, businesses and companies in decision making

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	1	3	1	1	1
CO2	2	2	3	2	2	2
CO3	2	1	3	2	1	2
CO4	3	2	3	2	2	3
CO5	3	2	3	1	3	3
AVERAGE	2.6	1.6	3	1.6	1.8	2.2

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20	100	Question No.- is compulsory Section A must have 6 theory and 4 problems
K1. K 2	B-5/8x8 marks	300	40		Section B must have 2 theory and 6 problems
K2, K 3	C-2/4x20 marks	1200	40		Section C must have 1 theory and 3 problems

SEMESTER – I

BASIC ACCOUNTANCY

TOTAL HOURS : 90	**COURSE CODE: EC18/1A/BAY**
CREDITS:5	**LTP: 3/ 3/ 0**

COURSE OBJECTIVES:

1. To enable the students to learn the basic concepts in accounting and rectification of errors.
2. To analyse and interpret financial reports and basic knowledge about Tally.

COURSE OUTLINE:

UNIT I : Accounting - Definition – Objectives – Functions- Advantages and Disadvantages- Single Entry Book Keeping and Double - Entry Book Keeping.

(10 Hours)

UNIT II : Journal – Ledger- Subsidiary book- Cash Book- Trial Balance- Meaning- Methods of preparation- Errors- Classification of Errors- Rectification of Errors.

(20 Hours)

UNITIII : Final Accounts- Preparation of Trading- Profit and Loss Account- Balance Sheet (Simple Adjustments).

(20 Hours)

UNITIV : Bank Reconciliation Statement- Need, Meaning- Method of Preparation of Bank Reconciliation Statement.

(20 Hours)

UNIT V : Introduction to Accounting Package- Introduction to Tally- Features, Advantage, Defining the Cells, Format the Data, Entering Data, Functional Keys and Simple Calculation- Excel- Features, Advantages, defining the Cell Range, Functional Keys, Entering the Data, Defining the functions and Simple calculations (Theory only for exams).

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. Reddy. T.S and Hari Prasad Reddy. Y- Financial and Management Accounting, Margham Publications Chennai2013.

2. Reddy .T.S Murthy- Financial Accounting, Margham Publications Chennai2012

REFERENCE BOOKS:

1. M.C.Shukla, T.S. Grawal and S.C. Gupta- Advanced Accounts- S. Chand and Company, New Delhi2016.

2. Mukesh Mahajan, P .S.Gills, V.P.Sharma and H.S.Punia, Fundamentals of AccountncyUnistar Books, Chandigarh2001.

3. Sundeep Sharma, Principles of Accounting, Shree Niwas Publication, Jaipur,2004.

4. V.K. Goyal and Ruchi Goyal –Financial Accounting- Prentice hall India learning Private limited 2012

5. Prof Jawahar Lal &Dr.Seema Srivastava- Financial Accounting- S.Chand Publication 2014

JOURNALS:

1. International Journal of Accounting
2. Journal of Accountancy.
3. Journal of Accounting and Economics

E-LEARNING RESOURCES:

1. https://icmai.in.
2. https://www.accountingcoach.com
3. https://www.cipfa.org
4. https://www.business.com
5. https://www.accountingcoach.com

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO1	Prepare the objectives of Accounting and Book keeping.
CO2	Categorize the various subsidiary books of account and identify & rectify errors
CO3	Prepare income and expenditure statement and balance sheet.
CO4	Tabulate Bank Reconciliation Statement.
CO5	Apply software packages in accounting.

MAPPING- COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME:

CO/PSO	PSO 1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	1	0	3	3	0	1
CO2	1	0	3	3	1	2
CO3	1	0	3	3	2	2
CO4	1	0	3	3	2	2
CO5	1	0	3	3	3	2
AVERAGE	1	0	3	3	1.6	1.8

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED - 2WEAKLYCORRELATED -1 NO CORRELATION -0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory Section A must have 7 theory and 3 problems
K1. K 2	**B-5/8x8 marks**	**300**	**40**		Section B must have 2 theory and 6 problems
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		Section C must have 4 problems

SEMESTER –I

TRAINING FOR COMPETITIVE EXAMINATIONS

TOTAL HOURS: 30
CREDITS:2

COURSE CODE: EC18/IN/TNP
LTP: 1/1/0

COURSE OBJECTIVES:

1. To enable the students to equip themselves in Current Affairs.
2. To train in Quantitative Aptitudes and Reasoning to face TNPSC and Bank examinations.

COURSE OUTLINE:

UNIT I : General Knowledge- Current Affairs (Objective Type) – History (Ancient Medieval & Modern) – Geography (International and India) – Economics (GDP – Population – Poverty – Employment) - Quantitative Aptitude – Arithmetic Ability – Basics, Problems on Number – Ages – Percentage – Ratio, Profit & Loss – Time and Distance – Interest – Trains Clocks Calendar. (ObjectiveType).

(10Hours)

UNITII : Verbal Reasoning – General Mental Ability- Logical Reasoning – Non-Verbal Reasoning - Analytical Reasoning (ObjectiveType).

(10Hours)

UNITIII : Current Issues – News Papers (The Hindu, the Indian Express, Times of India) Magazines (India Today, BusinessToday).

(10Hours)

RECOMMENDED TEXTBOOKS:

1. R.S.Aggarwal,A Modern Approach to Verbal and Non Verbal Reasoning. S. Chand and Company Ltd,2017.

2. Edgar Thorpe &Showick Thorpe The Pearson General Knowledge Manual 2018,16[th] Edition, Pearson Education,2018

REFERENCE BOOKS:

1. Dr.R.S.Aggarwal   Quantitative Aptitude for Competitive Examinations S.Chand Publication 2018

2. Abhijit Guha , Quantitative Aptitude for Competitive Examinations Tata McGraw Hill Publication 2018

3. Shashi   Tharoor,Tushar   A. Gandhi,AvikSarkarParanjoyGuhaThakurta,Manorama Yearbook 2019

4. Jagran Team , Jagran Yearbook 2019 Publisher: Jagran; 2019

5. Disha Experts , 10000+ Objective MCQs ,Kindle Publishers ,2019

E - LEARNING RESOURCES:

1. http://www.onlinemania.com/

2. http://www.winmeen.com>tnpsc

3. http://www.careerlauncher.com>banking>

4. http://www.careerpower.inonline-bank-coaching.html

5. http://www.vidyaguru.in/bankcoaching

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO Number	CO STATEMENT
CO 1	Assimilate general knowledge on current affairs
CO 2	Solve problems in Logical & Verbal Reasoning.
CO 3	AnalyseCurrent Issues.

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1,K2,K3	A-50X1 marks MCQ	-	50	50	Question No.- is compulsory

MACRO ECONOMICS

Total Hours: 75   **Course Code: EC18/2C/MAE**

Credits : 4   **LTP: 3/2/0**

COURSE OBJECTIVES:

1.   To trace the evolution of Macro Economic Theories.
2.   To analyse the Macro Economic Policies**.**

COURSE OUTLINE:

UNIT I **:** Macro Economics and its scope –National Income concept – Green GNP,GNP,GDP, NNP, NI, PI, and DPI – Methods of estimating of National Income, Difficulties in the estimation of National Income - Uses of National Income Analysis – Social Accounting.

(15 Hours)

UNIT II **:** Classical Macro Economics – Say's Law of Market – Wage-Price Flexibility Classical Model of Output and Employment – Keynesian Revolution – Principles of Effective Demand – Keynes Theory of Employment – Underemployment Equilibrium – Wage-Price Rigidity.

(15 Hours)

UNIT III **:** Consumption Function –Fundamentals of Psychological Law of Consumption – APC and MPC, Saving Function - APS and MPS – Absolute Income Hypothesis, Relative Income Hypothesis, Permanent Income Hypothesis & Life Cycle Income Hypothesis.

(15 Hours)

UNIT IV **:** Investment Function - MEC - MEI – Multiplier – Acceleratory Theory – Interaction of Multiplier and Accelerator.

(15 Hours)

UNIT V **:** Integration of Monetary and Real Sectors -IS &LM, (Hicks & Hansen Synthesis) – Baumol's Inventory Theory – Tobin's Portfolio Selection Theory.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1.   SoumyenSikde ,Principles of Macro Economics, Oxford Press, 2011
2.   H.L. Ahuja, Macro Economics: Theory and Policy S.Chand, 2016

REFERENCE BOOKS:

1.   Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.
2.   N.GregoryMankiw,Principles of Macroeconomics with CourseMate, Books Express Publications, 2017
3.   Shapiro, E. Macroeconomic Analysis, Galgotia Publications, New Delhi, 1996.
4.   Richard T. Froyen , Macro Economics – Theories and Policies, Pearson Publications
5.   Oliver Blanchard, Macro Economics, Worth Publishers, 7th Edition, 2010.

JOURNALS:

1.   Journal of Macro Economics
2.   The B.E Journal Macroeconomics

E-LEARNING RESOURCES:

1.   https://elearneconomics.com
2.   https://ocw.mit.edu
3.   https://www.journals.elsevier.com/journal
4.   https://www.journals.elsevier.com/journal
5.   https://www.classcentral.com>tag

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO Number	CO STATEMENT
CO 1	Classify the components of National Income.
CO 2	Learn the Classical and Keynesian theories.
CO 3	Explain the Integration of Monetary and Real Sectors.
CO 4	Analyse investment Function and the interaction of Multiplier & Accelerator.
CO 5	Estimate the Consumption and Saving Functions.

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	2	2	1	2	3	2
CO2	3	3	1	2	2	2
CO3	2	2	1	2	2	2
CO4	2	3	1	3	3	2
CO5	3	3	1	3	3	2
AVERAGE	2.4	2.6	1.0	2.4	2.6	2.0

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	**100**	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER II

CALCULUS FOR ECONOMICS

TOTAL HOURS: 75 **COURSE CODE: EC18/2C/CFE**
CREDITS:4 **LTP: 3/2/0**

COURSE OBJECTIVES:

1. To enable good understanding of Economic Relationships Mathematically.

2. To equip students with basic knowledge to apply Mathematical tools

COURSE OUTLINE:

UNIT I : Limits and Continuity – Differentiability of a function – Slope of a Curve – Increasing and Decreasing function – Simple Rules of Differentiation- Application of Differentiation in Economics– Calculation of Marginal Cost, Average Cost, Marginal Revenue and Average Revenue from their respective Total Cost And Revenue Functions– Elasticity - types of Elasticity– Calculation of Price–Income Elasticity and Cross(Partial) Elasticity of Demand-Substitutes and Compliments- Relationship between AR,MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost.

(15Hours)

UNIT II : Second Order Derivatives – Convex and Concave Functions – Maximization and Minimization of a Function – Economic Applications – Output, Sales, Revenue Maximization - Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly etc., Cost Minimization.

(15 Hours)

UNIT III : Partial Derivatives – Second Order Partial Derivatives – Rules – Total Derivatives – Implicit Function - Economic Applications – Marginal Productivity – Partial Elasticity – Production Function – Homogeneous and Non – Homogeneous – Euler's Theorem – Cobb-Douglas – CES Production Function.

(15 Hours)

UNIT IV : Optimization with Two Variables: Output-Revenue and Profit Maximization Under Perfect Competition – Monopoly – Discriminating Monopoly - Constrained optimization – Lagrangianmultiplier- Necessary and sufficient conditions for Consumer Equilibrium-Numerical problems of Utility Maximization and Production Maximization.

(15 Hours)

UNIT V : Rules of Integration – Integration by Substitution –Definite Integrals – Properties of Definite Integrals – Economic Applications – Derivation of Total Function (Total Revenue, Cost, Utility) from the Marginal function – Consumer's Surplus and Producer's Surplus.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1. Carl P Simon & Lawrence E. Blume Mathematics for Economists, Published by W. W. Norton & Company,2010

2. Edward T Dowling, Schaum's Outline of Introduction to Mathematical Economics, 3rd Edition McGraw Hill Publication2011

REFERENCE BOOKS:

1. Chiang A.C., Fundamental Methods of Mathematical Economics, McGraw Hill, New York2005.

2. Jean E. Weber, Mathematical Analysis, Business and Economics Applications, Harper International Edition, Cambridge March 1,1982.

3. Laurence D. Hoffmann, Gerald L. Bradley, Calculus for Business Economics and the Social and Life Science, McGraw Hill, New York brief Edition2005.

4. Mabbet, A.J., Workout Mathematics for Economists, Macmillan Master Series, 4th Edition London1986.

5. Geoff Renshaw ., Maths for Economics   4E,Oxford University Press,2016

6. Allen R G D , Mathematical Analysis for Economists, Macmillan India Ltd,1986

JOURNALS

1. Journal of Mathematical Economics

2. Journal of Mathematical Economics and Finance

E- LEARNING RESOURCES:

1. https://academicearth.org/economics

2. http://people.albion.edu/christiansen/micwcalc/screen1.pdf

3. https://rescuoc.edu/

4. https://ocw.mit.edu

5. https://www.edx.org/course/subject/economics-finance

6. https://www.coursera.org/learn/mathematics-for-economists

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO Number	CO STATEMENT
CO 1	Apply Differentiation in Economics
CO 2	Determine the value of derivatives and its economic applications
CO 3	Apply partial derivatives in Economics
CO 4	Determine calculus of multivariable functions in Economics
CO 5	Gain knowledge of the basic theorems of integration

MAPPING COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	1	3	1	2	2
CO2	3	1	3	1	1	1
CO3	3	1	3	1	2	1
CO4	3	1	3	1	2	2
CO5	3	1	3	1	2	2
AVERAGE	**3**	**1**	**3**	**1**	**1.8**	**1.6**

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2
WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory Section A must have 6 theory and 4 problems
K1. K 2	**B-5/8x8 marks**	**300**	**40**		Section B must have 2 theory and 6 problems
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		Section C must have 1 theory and 3 problems

SEMESTER – II

MODERN BANKING AND INSURANCE

TOTAL HOURS: 90   **COURSE CODE: EC18/2A/MBI**

CREDITS: 5   **LTP: 3/3/0**

COURSEOBJECTIVES:

1. To enable the students to know about various types of banks and their new trends and technology.
2. To help them to know about various types of insurance policies and life insurance in particular.

COURSE OUTLINE:

UNITI   :   Brief History of Banking–Types of Banks-Unit Banking–Branch Banking– Commercial Banks – Development Banks IFCI, IDBI and SFC, Multi National Bank and its functioning in India.

(20 Hours)

UNIT II   :   Recent Trends in Banking – Adoption of Technology – e Banking – Internet Banking – Debit Card – Credit Card – ATM – EFTS – RTGS- NEFT- IMPS –UPI- Tele Banking – Social Banking – Banking Ombudsman.

(15 Hours)

UNIT III   :   New Trends in Banking – MUDRA Banks – Bank Mergers and Acquisitions – Financial Inclusion – New Reforms in Banking Sector.

(15 Hours)

UNIT IV   :   Insurance – Definition, Nature, Evolution, Principle, Kinds – Types of Insurance Risk and Uncertainty – Need for Security against Economic Difficulties – Risk Management Process – Risk and Uncertainty – Need for Security against Economic Difficulties – Risk Management Process – Risk Management and Insurance.

(20 Hours)

UNIT V   :   Life Insurance – Kinds of Policies – Term Insurance – Whole Life – Endowment – Annuities – Surrender – Revival – Loans and Claims – Kinds of Policies - Conditions – Settlement of Claims – Personal Accident Insurance – Mediclaim – Burglary Insurance- Motor Insurance – Wire Transfer.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. JyotsanaSethi&Nishwan Bhatia- Elements of Banking and Insurance PHI learning Pvtltd20123
2. Dr.Santhanam., Banking Theory Law and Practice, Margham Publications, 2012

REFERENCE BOOKS:

1. F.J.Fabozzi, F.Modigliani, F.J.Jones, M.G.Ferri, Foundations of Financial Markets and Institutions, Pearsons Education, 3rd Edition,2009.

2. F.S.Mishkin and S.G.Eakins, Financial Markets and Institutions, Pearson Education, 6th edition,2009.

3. L.M.Bhole and Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5th Edition, 2011.

4. M.Y.Khan, Indian Financial System, Tata McGraw Hill, 7th Edition,2011.
5. Various latest issues of RBI Bulletins, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.

JOURNALS:

1. International Journal of Banking, Risk and Insurance

2. Saarj Journal on Banking and Insurance

E-LEARNING RESOURCES:

1. www.kesdee.com
2. https://www.gc-solutions.net.
3. https://www.enyotalearning.com
4. https://www.dynamicpixel.co.in
5. https//www.rbi.org.in

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO1	Have knowledge on the various types of banks.
CO2	Evaluate the new technologies adopted in the banking sector
CO3	Analyse the new trends in banking.
CO4	Get knowledge about various types of insurance and risk associated to it.
CO5	Assess various types of life insurance policies.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME:

CO/PSO	PSO 1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	1	0	3	2	2
CO2	3	3	0	3	2	2
CO3	3	3	0	3	2	2
CO4	3	1	0	3	2	2
CO5	2	2	0	3	2	2
AVERAGE	2.8	2	0	3	2	2

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED -1 NO CORRELATION -0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**		
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

NON MAJOR ELECTIVE – II

SEMESTER - II

QUESTIONNAIRE AND SOCIAL ISSUES

TOTAL HOURS: 30   **COURSE CODE: EC18/2N/QSI**

CREDITS: 2   **LTP: 1/1/0**

COURSE OBJECTIVES:

- To equip the students in framing a well-structured questionnaire
- To empower the students to conduct a survey on social issues.

COURSE OUTLINE:

UNITI   :   Statistical Survey – Census and Sampling – Types of Sampling –

Sources of Data- MOSPI- CSO-NSSO.

(10 Hours)

UNIT II   :   Questionnaire - Types - Framing a questionnaire–Pilot Survey-

Difference between Survey and Questionnaire- types of Survey-

Social Issues – Sample Questionnaire.

(10 Hours)

UNIT III   :   Derivation of Analytical Tables – Drawing Inferences – Report
Writing.

(10 Hours)

RECOMMENDED TEXTBOOKS:

1. Graham Myers, Research Methodology- The Beginners Manual, Createspace Independent Publisher, 2017.
2. V.P.Saxena, Research Methodology, India Publishing House, 2011.

REFERENCE BOOKS:

1. Ranjit Kumar, Research Methodology- A step by Step guide for beginners, Pearson Education, 2005.
2. John W. Creswell, Qualitative Inquiry and Research Design- Choosing among Five Approaches, Sage Publications, 2013.
3. Deepak Chawla &NeenaSondhi, Research Methodology Concepts and Cases, Vikas Publications, 2016.
4. Dr.Vijay Upgrade & Arvind Shende, Research Methodology, S.Chand Publications, 2010.
5. John W. Creswell &Vieki L Plano Clark, Designing and Conducting Mixed Methods Research, Sage Publications, 2011.
6. C.R.Kothari& Gaurav Garg, Research Methodology- Methods & Techniques, New Age International Publishers, 2014

Journals:

1. International Journal of Social Research Methodology
2. Expert Journals - Journal of Research Methodology

E-LEARNING RESOURCES:

1. https://researchmethodsresources.nih.gov/
2. http://euacademic.org/
3. https://www.researchgate.net/
4. http://www.researchersworld.com/
5. http://www.esourceresearch.org/
6. http://www.ala.org/tools/research/
7. http://www.tandfonline.com

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	State the concept of statistical survey and various sources of data.
CO 2	Frame and elicit information from questionnaire
CO 3	Learn the art of report writing

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1,K2,K3	A-10/12 X5 marks	200	50	50	Question No.- is compulsory

BUSINESS ECONOMICS

I B.COM (C.S)

TOTAL HOURS: 90   **COURSE CODE: EC18/1A/BUE**

CREDITS: 5   **LTP: 3/3/0**

COURSE OBJECTIVES:

1. It enables the students to understand the basic concepts and theories of Economics.
2. It helps the students to understand the various Market structure and its efficiency.

COURSE OUTLINE:

UNITI   :   Definition – Scope- Methods of Business Economics-Significance of BusinessEconomics.

(15Hours)

UNITII   :   Demand Analysis – Elasticity – Measures- Types of Elasticity-Price-Income and Cross Elasticity-Importance of Elasticity ofDemand.

(20Hours)

UNITIII   :   Market Structure-Perfect Competition - Monopoly – DiscriminatingMonopoly– Monopolistic Competition - Bilateral Monopoly- Oligopoly.

(20Hours)

UNITIV   :   Pricing Methods – Full Cost Pricing – Target Pricing – Going Rate Pricing – Differential Pricing – Pricing over the Life Cycle of Product – Pricing by Manufacturers and Retailers – Specific Pricing – Dual Pricing – Mark-up Pricing.

(15Hours)

UNIT V   :   Inflation – Deflation – Causes – Remedies – Types - Slump Inflation- Asset Inflation and Core Inflation –– Stagflation – Business cycle –Phillips Curve- Phases.

(20Hours)

RECOMMENDED TEXTBOOKS:

1.   H.L.Ahuja, Business Economics,S Chand Publishing, 2016.

2.   John Sloman, Elizaabeth Jones, Essential Economics for Business, Pearson Publications, 2016**.**

REFERENCE BOOKS:

1.   A.C. Gupta Business Economics Rawat Publication2003.

2.   Karl E. Case, Ray C. Fair, and SharonOster, Principles of
      Economics ,PearsonPublications,2016.

3.   Dwivedi D.N, Essential of Business Economics, Peasant Pvt.,Ltd.,2010.

4.   Paul A Samuelson, William D Nordhaus, Economics, McGraw Hill Education,
      2010.

5.   S.K.Agarwal, Business Economics, S Chand Publishing, 2018

JOURNALS:

1.   Journal of Business Economics

2.   International Journal of Business, Economics and Management.

E-LEARNING RESOURCES:

1.   https://www.icsi.in/Study%20Material%20Foundation/BE.pdf

2.   https://www.toppr.com/guides/business-economics/introduction-to-business-
      economics/

3.   http://www.economicsdiscussion.net/business-economics/business-economics-
      definition-characteristics-and-scope

4.   https://www.ukessays.com/essays/commerce/definition-of-business-economics-
      commerce-essay.php

5.   https://www.inderscience.com/jhome.php?jcode=gber

COURSE OUTCOMES:

On completion of the course the students will be able to:

CO	CO STATEMENT
CO1	Utilize the basic Concepts of Business Economics to solve challenges in Business
CO2	State demand & its determinants.
CO3	Gain knowledge on various Market Structure and their Pricing behaviour.
CO4	Diagnose the various Pricing policies and Strategies.
CO5	Discuss the concept of Inflation and Deflation along with Business Cycle.

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	3	1	1	1
CO2	3	3	3	3	3	2
CO3	3	3	3	3	3	3
CO4	3	3	3	2	3	3
CO5	3	3	2	3	3	3
AVERAGE	3	2.8	2.8	2.4	2.6	2.4

KEY:STRONGLY CORRELATED-3 **M**ODERATELY CORRELATED-2 **W**EAKLY CORRELATED-1**N**O CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/3x20 marks	500	40		

SEMESTER II

INTERNATIONAL TRADE

I B.COM(C.S)

TOTAL HOURS: 90   **COURSE CODE: EC18/2A/ITR**
CREDITS:5   **LTP: 3/3/0**

COURSE OBJECTIVES:

1.   To gain knowledge about the concept and the theories of International Trade.
2.   To study the various International Financial Institutions and their contributions.

COURSE OUTLINE:

UNIT I   :   Trade – Inter-Regional and International Trade – Gains from Trade –Potential and Actual Gain – Factors determining Gains from Trade -Trade Policy – Free Trade – Protection – Globalisation.

(20Hours)

UNIT II   :   Theories of International Trade – Mercantilism - Adam Smith (Absolute Advantage) – David Ricardo (Comparative Advantage) – Nobel Laureate Heckscher - Bertil Ohlin theory (Factor Endowment Theory) – Raymond Vermon (Product Life Cycle Theory) – Porter's Diamond Theory (National Competitive Advantage Theory).

(15Hours)

UNIT III   :   Exchange Rate – Fixed Vs Flexible – Exchange Control – Objectives – Methods- Balance of Trade and Balance of Payments – Current Account and Capital Account – Disequilibrium –Remedies.

(20Hours)

UNIT IV   :   Tariff - Meaning, types - Quotas - meaning, Types – Dumping – Non –Tariff Barriers- MNC's and Trade – Working and Regulation of MNC's in India.

(15Hours)

UNIT V   :   Trade and Development – Economic Integration – Meaning – Types – IMF- World Bank – ADB – GATT – WTO- G20- European Bank for Reconstruction and Development-BREXIT.

(20Hours)

RECOMMENDED TEXTBOOKS:

1.   K.R.Gupta, International Economics, Atlantic Publishers, 2017
2.   H.G.Mannur ., International Economics, Second Revised Edition, Vikas Publishing, 1995

REFERENCEBOOKS :
1.   Bo Sodersten, International Economics, Macmillan Publishing Pvt. Ltd, Mumbai, 1994.
2.   Paul Krugman,MauriceObstfeld,Marc Melitz., International Economics Theory and Policy.
3.   Dominick Salvatore, International Economics: Trade and Finance, Wiley Publisher, 2014.
4.   Mithani. D.M., Introduction to International Economics. Boras Publishing Pvt. Ltd., New Dehi,2012.
5.   Vaish M.C. International Economics, Oxford and IBM Publishing Comp.,2010.
6.   Charles PKindleberger, International Economics,R.D.IrwinPublisheers, 1976

JOURNALS:
1.   Journal of International Economics- Elsevier
2.   Journal of Global Economics, Management and Business Research.

E-LEARNING RESOURCES:

1.   http://internationalecon.com/Trade/Tch5/T5-2.php
2.   https://www.economicsdiscussion.net/international-economics/international-economics-its-concept-parts/4205
3.   https://www.thoughtco.com/definition-of-international-economics-1146350
4.   https://www.lse.ac.uk/study-at-lse/Summer-Schools/Summer-School/Courses/Secure/Economics/EC351
5.   https://link.springer.com/journal/10368

COURSE OUTCOMES:

On completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO1	Identify the basic difference between Inter-regional and International Trade
CO2	Understand the basic theories of International Trade
CO3	Gain knowledge on Foreign exchange market and its effects.
CO4	To understand the various types of Tariffs and the working and regulations of MNC'S in India.
CO5	Explain the various International Financial Institutions and its contributions in developing countries

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	3	3	3	2
CO2	3	2	2	2	2	2
CO3	2	3	2	3	3	3
CO4	3	2	3	2	3	3
CO5	3	3	2	2	2	2
AVERAGE	2.8	2.4	2.4	2.4	2.6	2.4

KEY: STRONGLY CORRELATED-3 **M**ODERATELY CORRELATED-2 **W**EAKLY CORRELATED-1 **N**O CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**		Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**	**100**	
K2, K 3	**C-2/3x20 marks**	**1200**	**40**		

.

SEMESTER -III

MONETARY ECONOMICS

TOTAL HOURS: 75   **COURSE CODE: EC18/3C/MOE**

CREDITS:4   **LTP:3/2/0**

COURSEOBJECTIVES:

1. It enables the students to understand the different monetary standards and the basic functions of money.

2. It helps the students to gain in-depth knowledge of Banking system in India.

COURSE OUTLINE:

UNIT I   **:**   Evolution of Money – Functions of Money – Circular Flow of Money – Monetary Standard – Gold Standard – Bimetallism – Gresham's Law – Paper Currency – Principles and Methods of Note Issue – High Powered Money – Euro Dollar – CryptoCurrency.

(15Hours)

UNIT II   **:**   Demand for Money – Fisher's Transaction Approach – Cash Balance Approach– Keynesian Liquidity Preference Theory – Real Balance Effect – Noble Laureate Milton Friedman (1976) – Reformulated Quantity Theory of Money.

(15Hours)

UNIT III   **:**   Central Bank – Functions – Implementation of Basel Norms – Capital Adequacy Ratio – Role of RBI – Demonetisation and itsImpact.

(15Hours)

UNITIV   **:**   Commercial Banking – Types – Functions – Credit Creation – Balance Sheet Analysis – Financial Indicators – Current Ratio / Liquidity Ratio – Debt – Equity Ratio – Tangible Net Worth, Operative Income – Return on Investment, Assets - Mobile Banking.- Introduction to Bankruptcy -Insolvency Code Act - NPAs

(15Hours)

UNIT V   **:**   Inflation and Deflation– Causes – Types - Core Inflation - Slump Inflation – Asset Inflation – Effects - Measures to control- Stagflation - Trade Cycles – Phases – Hicks and Keynesian Theories of TradeCycles.

(15Hours)

RECOMMENDED TEXTBOOKS:

1.   R.R. Paul Advanced Monetary Economics, Kalyani Publishers, 2013.

2.   Frederic. S.Mishkin, Monetary Economics, Prentice Hall India Learning Pvt., Ltd., 2009

REFERENCE BOOKS:

1.   R.D.Gupta, R.D.Lekhi, Keynes Post-Keynesian Economics,Kalyani Publishers,2013

2.   Gold field and Chandler, the Economics of Money and Banking, Harper and Row, New York,2001.

3.   Laidler D.E.W., Demand for Money: Theory and Evidence, Dum-Don Valley, New York,2006.

4.   Friedman.M, Studies in the Quantity theory of Money, The University of Chicago Press, Chicago,1956.

5.   W.T. Newlyn, Theory of Money, Clarendon Press, Oxford,1971.

JOURNALS:

1.   Journal of Monetary Economics

2.   International Journal on Monetary Economics and Finance.

E-LEARNING RESOURCES:

1.   https://studyingeconomics.ac.uk/monetaryeconomics

2.   https://www.nber.org/programs/

3.   https://economics.stanford.edu/research/monetary-economics

4.   https://www.journals.elsevier.com/journal-of-monetary-economics/recent-articles

5.   http://www.lse.ac.uk/resources/calendar/courseGuides/EC/2019_EC321.htm

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Learn the Various functions and classification of money.
CO 2	Explain the concept of Demand for Money and its theories
CO 3	Describe the Functions of Central Bank and its methods to control credit activities.
CO 4	Distinguish the features of Commercial Banks and its recent Reforms.
CO 5	Gain knowledge on Inflation, Deflation and its effects along with Trade Cycle.

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	2	2	1	0	2	2
CO2	2	2	2	2	3	3
CO3	3	2	2	1	2	1
CO4	2	2	2	2	3	3
CO5	2	2	1	0	2	2
AVERAGE	2.2	2	1.6	1	2.4	2.2

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**		
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER – III

STATISTICS FOR ECONOMICS

TOTAL HOURS: 75   **COURSE CODE: EC18/3C/SFE**
CREDITS : 4   **LTP: 3/2/0**

COURSE OBJECTIVES :

1. To provide an understanding on statistical concepts and enable the students the application of statistical tools in Economics.
2. To prepare students for further courses involving quantitative components

COURSE OUTLINE:

UNIT I	:	Statistics – Measures of Central Tendency – Measures of Dispersion – Standard Deviation - Correlation – Types of Correlation – Karl Pearson's Coefficient – Rank Correlation – Regression – Regression lines.

(15 Hours)

UNIT II	:	Index Numbers – Methods – Consumer Price Index, Wholesale Price Index.

(15 Hours)

UNIT III	:	Association of Attributes– Introduction- Uses of Terms and Notations – Consistency of Data- Methods - Yules Coefficient of Association.

(15 Hours)

UNIT IV	:	Probability- Addition and Multiplication Theorems– Bayes Theorem – Theoretical Distributions – Binominal Poisson and Normal.

(15 Hours)

UNIT V	:	Hypothesis Testing – Concepts – Level of Significance – Error in Testing – t- test – Paired t-test – Chi-Square test, F-test – Analysis of Variance – One way and Two way ANOVA.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1. S.P.Gupta, Statistical Methods, Sultan Chand and Sons, New Delhi 2017

2. R.S.N.Pillai and V. Bagavathi, Statistics, Sultan Chand and Sons, New Delhi2010.

REFERENCEBOOKS :

1. Dr.T.K.V. Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.NPrasad., Probability and Statistics S.Chand and Co.,2015.

2. S.C.Gupta and V.K. Kapoor Fundamentals of Mathematical Statistics ,Sultan Chand and Sons2014.

3. S.C.Gupta Fundamentals of StatisticsHimalaya Publishing House Pvt. Ltd,2016.

4. Sancheti D.C and Kapoor.V.K, Statistical Theory-Method and Application, Sultan Chand and Sons NewDelhi2010.

5. Dr.S.Sachdeva- Statistics -Lakshmi Narain Agarwal 2014

JOURNALS :

1. The Journal of the American Statistics Association

2. SankhyaThe Indian Journal of Statistics

3. Journal of Probability and Statistical Sciences

E-LEARNING RESOURCES:

1. https://elearning industry.com
2. https://www.statista.com.
3. https://techjury.net
4. https://www.elearningworld.org
5. https://www.sas.com

COURSE OUTCOME

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO1	Calculate and interpret the various descriptive measures of Centrality and Dispersion, Correlation, Linear Regression model.
CO2	Measure CPI and WPI of a country over the time period.
CO3	Have an in-depth knowledge on the association between the attributes.
CO4	Summarize the basic probability rules and provide an understanding on theoretical distributions.
CO5	Acquire knowledge on the application of test of Hypotheses in Research in Economics (Social Science)

MAPPING- COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME:

CO/PSO	PSO 1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	1	3	3	2	2
CO2	3	2	3	3	3	3
CO3	1	1	3	3	2	2
CO4	2	1	3	3	3	3
CO5	3	2	3	3	3	3
AVERAGE	2.2	1.4	3	3	2.6	2.6

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED - 2WEAKLY CORRELATED -1NO CORRELATION -0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory Section A must have 7 theory and 3 problems
K1. K 2	**B-5/8x8 marks**	**300**	**40**		Section B must have 2 theory and 6 problems
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		Section C must have 1 theory and 3 problems

SEMESTER III

RURAL ECONOMICS

TOTAL HOURS: 90   **COURSE CODE: EC18/3A/RUE**

CREDITS: 5   **L-T-P: 3/3/0**

COURSE OBJECTIVES:

1.   To aid the students to know about the features of Rural Economy of India.
2.   To acquaint the students to the problems of Rural Economy and the various means to address these difficulties.

COURSE OUTLINE:

UNIT I : Nature- Scope and Factors determining Rural Economy- Characteristics of Rural Economy - Social Aspects of India's Rural Areas - Barter System -Non-monetized Sector –Economic Characteristics - Land and Asset Distribution - Agricultural Income –Vagaries of Monsoon.

(15Hours)

UNIT II : Rural Unemployment - Types and Magnitude , Agricultural Labour –Marginal Productivity – Agricultural Wage – Minimum Wages Act, Rural Employment Programmes – MGNREGA –Rural Poverty – Nature, Causes and Consequences– Poverty Alleviation Programmes.

(20Hours)

UNIT III : Agricultural Marketing – Minimum Support Price linked to Production Cost -Agriculture Marketing Development – e-NAM system (online Agriculture Market Place) Crop Insurance –Rural Finance - Causes and magnitude of rural indebtedness, Sources of rural credit:Unorganized: Money lenders, Indigenous Bankers, Organized: Co-operatives, Commercial Banks, Regional Rural Banks – NABARD.

(20Hours)

UNIT IV : Rural Development Programmes – Urban bias in Economic Planning – Rural Roads Progamme Pradhan Mantri Gram SadakYojana – Rural Housing Programme – Pradhan MantriAwaasYojana – National Rural Livelihood Mission.

(15Hours)

UNIT V : Rural Industrialization - Agro-based Industries – Cottage Industries, Rural artisans –Cooperative societies – Rural Marketing. Co-operative Marketing- Role of Self HelpGroups – PURA Model – Recent Government Policy for Rural Development.

(20Hours)

RECOMMENDED TEXTBOOKS:

1. Choudry. C.M., Rural Economics- Jaipur- Sublime Publication 2009.
2. DhingraI.C.,The Indian Economy, Sultan Chand, New Delhi, 2010.

REFERENCE BOOKS:

1. Thomas Nixon Carver (1911). Principles of Rural Economics, Nabu Press, Charleston, South Carolina, 2012,
2. Agarwal A.N., Kundan Lal, Rural Economy of India, Vikas, Delhi, 1990.
3. Sankaran.S., Rural Economics,Margham Publications, Chennai, 2014.
4. L.C. Jain, Grass Without Roots: Rural Development Under Government Auspices, SagePublications, New Delhi, 1985.
5. Patel, K.V, Shan A.C, and Mello L.D, Rural Economics, Himalaya Publication, Mumbai, 1984.

JOURNALS:

1. Journal of Rural Studies
2. Journal of Rural Economics

E-LEARNING RESOURCES:
1. http://agricoop.nic.in/ministry-major-schemes
2. https://www.india.gov.in/website-ministry-agriculture-farmers-welfare
3. http://www.fao.org/statistics/en/
4. https://www.niti.gov.in/writereaddata/files/document_publication/Rural_Econo my_DP_final.pdf?utm_source=VKD&utm_medium=website&utm_campaign= eletter&utm_content=VKD
5. https://archive.india.gov.in/citizen/graminbharat/graminbharat.php

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Recall the Rural Economy and its features, social characteristics and Trade.
CO 2	Interpret the employment, effects of joblessness, output capacity, economic shortfalls, and its effects.
CO 3	Have an understanding of issues confronting rural economy related to debts, sales, profit, protection cover, loans and sources.
CO 4	Review planning, and infrastructural support, Government schemes for housing, employment and livelihood in India
CO 5	Obtain knowledge on collective industrial development models and Government framework for Rural Development.

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	1	2	2	3
CO2	3	3	3	2	3	3
CO3	3	3	2	2	2	3
CO4	2	2	3	2	2	2
CO5	3	2	2	2	2	3
AVERAGE	2.8	2.4	2.2	2	2.2	2.8

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/4x20 marks	1200	40		

INTERNATIONAL ECONOMICS

TOTAL HOURS : 75   **COURSE CODE: EC18/4C/INE**
CREDITS:4   **LTP :3/2/0**

COURSE OBJECTIVES:

1.   To enable the students to understand the theories governing International trade.
2.   To impart knowledge on the role of International institutions on world trade.

COURSE OUTLINE:

UNIT I   :   International Trade –Meaning –Difference between International and Inter- Regional Trade – Importance – Analytical tools – Community Indifference Curve – Production Possibility Curve – Offer Curves.

(10 Hours)

UNIT II   :   Theories of International Trade – Mercantilism - Adam Smith (Absolute Advantage) – David Ricardo- (Comparative Advantage) – Nobel Laureate Heckscher - Bertil Ohlin Theory (Factor Endowment Theory) – Raymond Vermon (Product Life Cycle Theory) – Porter's Diamond Theory (National Competitive Advantage Theory).

(20 Hours)

UNIT III   :   Free Trade – Protection – Meaning- Cases for and against Free Trade and Protection - Quotas – Meaning and Types. Tariff – Meaning - Types – Effects of Tariffs under Partial Equilibrium

(15Hours)

UNIT IV   :   Balance of Payments – Meaning – Causes of Disequilibrium – Measures to Control Disequilibrium – New International Economic Order – Objectives and Implementation

(15 Hours)

UNIT V   :   IMF - World Bank - GATT - WTO – European Bank for Reconstruction and Development – G20- Asian Development Bank – BRICS – Recent Summits- BREXIT - Trading Blocs – SAARC – NAFTA – EU.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1. Paul Krugman, Maurice Obstfeld and Marc Melitz, Addison – Wesley International Economics: Theory and Policy, Pearson Education Indian Edition.(2014).

2. Dominick Salvatore, International Economics,John Wiley International Student Edition (2014).

REFERENCE BOOKS:

1. Bo Sodersten, International Economics , Macmillan Press Ltd London (2014).

2. Charles P Kindleberger: International Economics , Macmillan Press Ltd London (1999).

3. Paul Krugman, Maurice Obstfeld and Marc Melitz, Addison – Wesley International Economics: Theory and Policy, Pearson Education Indian Edition.(2014).

4. Robert Carbaugh – International Economics, Cengage Learning (2016).

5. Radha. V, International Trade, Prasanna Publishers, Chennai,2002.

6. Vaish M.C. International Economics, Oxford and IBM Publishing Comp.,2010.

7. M.L Jhingan – International Economics, Vrindha Publications,(2016).

JOURNALS:

1. International Economics and Economic Policy

2. Journal of International Economics

E-LEARNING RESOURCES:

1. https://academicearth.org/economics

2. https://rescuoc.edu/

3. http://www.iccwbo.org

4. http://economicsnetwork.ac.uk

5. http://www.elearneconomics.com

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Use analytical tools of International Economics
CO 2	Identify the importance of International trade theories and its current relevance
CO 3	Differentiate the system of Free trade and protection and the effects of tariffs
CO 4	Analyse the various causes of disequilibrium in Balance of Payments and the objectives of NIEO
CO 5	Discuss the role of Financial institutions and the recent summits on Brexit, SAARC and G20

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	3	3	3	2
CO2	3	2	2	3	2	2
CO3	3	3	2	3	2	2
CO4	3	2	3	2	3	3
CO5	3	2	2	2	3	2
AVERAGE	3	2.2	2.4	2.6	2.6	2.2

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**		Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**	**100**	
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER – IV

BASIC ECONOMETRICS

TOTAL HOURS : 75   **COURSE CODE: EC18/4C/BAE**

CREDITS:4   **LTP :3/2/0**

COURSE OBJECTIVES:

1. To enable the students to understand the basic concepts of Econometrics.

2. To understand the application of economic theories in real time situation with empirical data analysis

COURSE OUTLINE:

UNIT I   :   Econometrics- Meaning, Methodology, Types- Single Equation regression Model- Two- Variable Regression Analysis- Population Regression Function (PRF), Sample Regression Function (SRF)- Stochastic Specification of PRF and Significance of Stochastic Disturbance Term.

<div align="right">(15 Hours)</div>

UNIT II   :   Two- variable Regression Model - The Problem of Estimation of Ordinary   Least Squares- Precision or Standard Errors of Least Squares- Estimates- Properties of Least Square Estimators: The Gauss- Markov Theorem- The Co- efficient of Determination R^2: A Measure of 'Goodness of Fit'.

<div align="right">(15 Hours)</div>

UNIT III   :   Multiple Regression Analysis- The Three Variable Model- Partial Regression Coefficient- OLS and ML Estimation of Partial Regression Coefficient- The Multiple Coefficients of Determination R^2 and Multiple Coefficient of correlation R- Specification Bias.

<div align="right">(15 Hours)</div>

UNIT IV   :   Multicollinearity - Detection of Multicollinearity - Remedial Measures- Heteroscedasticity – Detection of Heteroscedasticity - Remedial Measures- Autocorrelation - Detecting Autocorrelation - Remedial Measures.

<div align="right">(15Hours)</div>

UNIT V   :   Functional forms of Regression Models- The Log – Linear Model- Semi- Log Models: LOG-LIN and LIN-LOG Models - Dummy Variables – ANOVA and ANCOVA models – Dummy variable trap – Chow Test.

<div align="right">(15 Hours)</div>

RECOMMENDED TEXTBOOKS:

1. Damodar N. Gujarathi, Basic Econometrics, McGraw Hill,2003.

2. Koutsoyiannis. A, Theory of Econometrics, Palgrave, Delhi.

REFERENCE BOOKS:

1. RamuRamanathan, Introductory Econometrics with Applications, Thomson Learning Inc, Singapore,2002

2. M.Wooldridge, Introductory Econometrics: A Modern Approach, Jeffery 5th Edition 2013.

3. Peter Kennedy, A Guide to Econometrics, MIT Press 4th Edition,1998.

4. Damodar N. Gujarathi, Econometrics by Example, Palgrave Publications,2011.

5. Damodar N. Gujarathi, Essentials of Econometrics, McGraw Hill, 5th Edition,2017.

6. Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum's Series)2014.

7. MaddallaG.S., Econometrics, McGraw Hill.

JOURNALS:

1. Journal of Econometrics

2. Journal of Econometric Methods

3. Journal of Applied Econometrics

E-LEARNING RESOURCES:

1. www.udemy.com/the-basic-econometrics-videocourse

2. www.udel.edu/

3. http://www.sas.com>resources

4. http://www/mathworks.com

5. www.statisticssolutions.com/multicollinearity

6. www.statisticshowto.datasciencecentral.com

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Differentiate between PRF and SRF and understand the importance of Stochastic Disturbance term.
CO 2	Apply the properties of Least Squares and the Gauss Markov Theorem in the Precision of two variable Regression Model
CO 3	Estimate the Beta Coefficients in Multiple Regression Model and coefficient of determination R^2
CO 4	Analyse the consequences of Multicollinearity, Heteroscedasticity and Autocorrelation in the Multiple Regression model
CO 5	Categorize the functional forms of Regression model and the importance of Dummy variable in ANOVA and ANCOVA models.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	2	2	3	3	1	2
CO2	3	2	3	2	2	2
CO3	3	3	3	3	3	3
CO4	3	2	3	2	2	2
CO5	3	2	3	2	2	2
AVERAGE	2.8	2.2	3	2.4	2	2.2

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**		Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**	**100**	
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER IV

URBAN ECONOMICS

TOTAL HOURS:90   **COURSE CODE: EC18/4A/ URE**

CREDITS:5   **LTP: 3/3/0**

COURSE OBJECTIVES:

1.   To highlight the features and role of urban Economics
2.   To help the students to apply basic economic principles in urban economics

COURSE OUTLINE:

UNIT I   :   Emergence of Urban Economics - Regional Development - Spatial Structure and Growth - Comparison between Developed and Developing Countries – Decentralisation - Regional Inequality- Difficulties in Measurement of Urban Growth.

(15Hours)

UNIT II   :   Theory of Land Use Pattern- Housing Markets- Role of State- National Housing Policy - Slums (extent/ types) - Rehabilitation Policy – Theoretical underpinning of Land Ceiling and Rent Control – Land Ceiling – Rent Control – Land Encroachment – CMDA.

(15Hours)

UNIT III   :   City functions and Structure- Size/Distribution/Growth- Concept of Urbanisation - Urban Morphology Classical Models- Location of Residential and Industrial activities- Industrial Productivity and agglomeration- Tertiary Sector- Metropolitan/Mega Cities- Trends World Wide- Indian Situation.

(20 Hours)

UNIT IV   :   Urban Labour Markets- Developed and Developing Economies- Informal Sector- Segmentation and Hierarchy- Dualism- Todaro Model- Migration Theory and Empirical Trends in India- Impact of Globalization.

(20 Hours)

UNIT V   :   Physical Infrastructure: Transport- Water supply and sanitation- Electricity- Social Infrastructure: Education- Health Services- Access to basic Urban amenities- Local Finance- Tax revenue and grants- Municipalities- Municipal Corporations- Financial Instruments.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. Ahluwalia, I.J., Kanbur, R., &Mohanty, P.K. Urbanisation in India, SAGE Publications, New Delhi. (2014).

2. Jha, R., Chandiramani, J.. Perspectives in Urban Development: Issues in Infrastructure, Planning and Governance, Capital Publishing Company, New Delhi. (2012)

REFERENCE BOOKS:

1. Arthur O' Sullivan, Urban Economics, Tata McGraw Hill, 2009.

2. Bruce Stiftel; Vanesssa Watson, Dialogues in Urban and Regional Planning,

3. Routledge Vol.1.2005.

4. Isher Judge Ahluwalia, Ravi Kanbur& P.K. Mohanty, edt, "Urbanisation in India

5. Challenges, Opportunities & the way forward", Sage Publishing, 2014.

JOURNALS:

1. Journal of Urban Economics, Elsevier, ISSN: 0094-1190

2. Indian Journal of Economics & Research, Arthashastra, ISSN: 2278 – 1811

E-LEARNING RESOURCES:

1. https://ocw.mit.edu>courses>urba

2. http://www.rakeshmohan.com/Urban%20Economy.html

3. http://web.worldbank.org/archive/website01291/WEB/0CO-22.HTM

4. www.urbaneconomics.com.au/

5. www.urbaneconomics.org/

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Gain knowledge on City centric economic activities,development and growth parameters.
CO 2	Estimate housing sector demands, the role of Government, distress shelters and Restoration of livelihoods.
CO 3	Have knowledge on urban area dynamics, kinds of area classification and commerce based community spaces in current global scenario.
CO 4	Categorize the trends observed in urban development.
CO 5	Assess the infrastructure necessities and Local bodies.

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	2	3	2	2
CO2	3	3	2	2	2	3
CO3	2	3	2	2	3	2
CO4	2	2	2	2	2	1
CO5	2	2	2	3	3	2
AVERAGE	2.4	2.4	2	2.4	2.4	2

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2
WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER III

PRINCIPLES OF ECONOMICS

TOTAL HOURS: 90   **COURSE CODE: EC18/3A/PRE**

CREDITS: 5   **LTP: 3/3/0**

COURSE OBJECTIVES:

1.   To help the students to understand about the consumer behaviour and Production Function.
2.   To study about the various forms of market structures and the role of business environment.

COURSE OUTLINE:

UNIT I   :   Definition and Scope of Economics – Difference between Micro and Macro Economics –Law of Demand – Law of Supply - Law of Diminishing Marginal Utility – Lancaster's Approach to Consumer Theory.

(20Hours)

UNIT II   :   Production Function – Types of Production Function –Law of Variable Proportions – Returns to Scale – Cobb Douglas Production Function – Properties – CES.

(15Hours)

UNIT III   :   Cost Curves– Total Average and Marginal Cost Curves - Revenue Curves – Short Run and Long Run Cost Curves - Derivation of the Average Revenue and Marginal Revenue from Total Revenue Curves.

(20Hours)

UNIT IV   :   Perfect Competition – Price-Output Determination – Time Element Analysis – Monopoly – Discriminating Monopoly – Monopolistic Competition – Duopoly – Oligopoly.

(20Hours)

UNIT V   :   Inflation - Deflation – Causes –Demand Pull & Cost Push Inflation- Measures to control Inflation – Slump Inflation – Asset Inflation – Core Inflation – Stagflation - Business Cycles- Types – Phases – Theories of Business Cycle.

(15Hours)

RECOMMENDED TEXTBOOKS:

1.   A.Koutsoyiannis, Modern Micro Economics Palgrave Macmillan 2003.

2.   H.L. Ahuja, Modern Micro Economics, Theory of Applications, S.ChandPublicationChennai 2016.

REFERENCE BOOKS:

1.   Case Karl E , Principles of Economics , Pearsons Education India, 12th Edition, 2017.

2.   M.L.Jhingan, Micro Economics, Vrinda Publication Pvt. Ltd., Delhi 2016.

3.   Sankaran S. Business Economics.,Margham Publications, Chennai, 2003.

4.   Mankiw N. Gregory Principles of Economics, Cengage Learning, 6th Edition, 2016.

5.   Sundaram K.P.M. Micro Economic Theory. Sultan Chand and Sons, New Delhi 1997.

6.   Myneni S R , Principles of Economics , Allahabad LawAgency,Faridabad, 6th Edition, 2019.

JOURNALS:

1.   American Economic Review

4.   Journal of Economic Theory

E-LEARNING RESOURCES:

1.   www.theoriesoffirms.com

2.   https://opentextbc.ca/principlesofeconomics/

3.   https://www.behavioraleconomics.com/resources/introduction-behavioral-economics/

4.   https://www.econlib.org/library/Marshall/marP.html

5.   https://study.com/academy/lesson/what-is-economics-definition-principles-quiz.html

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Explain meaning, types, laws and the theories of Consumer Behaviour.
CO 2	Summarize Production, its types, laws, functions and properties.
CO 3	Derive Revenue, Cost and Output functions and the relation between the Average, Marginal and the Total functions.
CO 4	Compare the features of perfect and Imperfect Market structure.
CO 5	Analyse and predict price fluctuations, controls with the aid of theories of trade cycles.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	2	2	2	2
CO2	3	3	2	2	2	2
CO3	2	2	3	2	2	2
CO4	3	3	2	3	2	3
CO5	3	3	3	3	2	2
AVERAGE	2.8	2.6	2.4	2.4	2	2.2

KEY:STRONGLY CORRELATED-3 **M**ODERATELY CORRELATED-2**W**EAKLY CORRELATED-1 **N**O CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	**100**	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER III

INDIAN ECONOMY

II BA HISTORY

TOTAL HOURS: 90   **COURSE CODE:EC18/3A/IN**

CREDITS: 5   **LTP: 3/3/0**

COURSE OBJECTIVES:

1.   To enable the Students gain in-depth knowledge on Economic Development, economic growth and its determinants.
2.   To familiarize the students with basic concepts, structure, problems and issues related to Indian Economy.

COURSE OUTLINE:

UNIT I	:	Concepts of Economic Growth and Development- Features of a Developing Economy – Economic and Non-Economic Factors impeding Economic Development - Indicators- HDI- Happiness Index - Growth of Population- Demographic Transition- Birth and Death Rate- Density of Population- Education- Health- Malnutrition.

(20 Hours)

UNIT II	:	Capital Formation- Human and Physical Capital - Sources of Savings - Causes for Low Rate of Savings- Human Capital Formation in India.

(15 Hours)

UNIT III	:	Recent Trends in India's National Income - Objectives and Assessment of Eleventh and Twelfth Five Year Plans – NITI Aayog.

(15Hours)

UNIT IV	:	Causes of Poverty- Poverty Alleviation Programmes- Unemployment- Types - Problems – Remedies.

(20 Hours)

UNIT V	:	Agriculture and its Contribution to Economic Growth- National Commission on Farmers and Second Green Revolution - Agriculture Crisis- Crop Insurance- Food Security - TPDS - GMS and Organic Farming.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. Dhingra I.C, Indian Economy, Sultan Chand & and Company Pvt, Ltd,, New Delhi. 2009

2. Gaurav Datt&Ashwani Mahajan, Indian Economy, 72nd Edition S.Chand& Company Pvt, Ltd, New Delhi, 2015

REFERENCE BOOKS:

1. J.P.Bhattachrjee,   Studies in Indian Agricultural Economics, 2000

2. Misra and Puri,   Indian Economy, Himalaya Publishing House, New Delhi, 2012

3. Ramesh Singh, Indian Economy, McGraw Hill Education, 9th Edition, 2016

4. SankarganeshKaruppiah, Indian Economy by Concepts,   KavinMukhi Publications, 5th Edition, 2017

5. Uma Kapila, Indian Economy, Performance and Policies, 7th Edition, Academic Foundation ,New Delhi,2017

JOURNALS:

1. The Indian Economic Journal

2. Agricultural Economic Research Review

E-LEARNING RESOURCES:

1. www.intelligenteconomist.com

2. www.cmie.com>kommon>bin

3. www.mapsofindia.com/my-india/society/poverty

4. http://planningcommission.gov.in/sectors

5. https://mhrd.gov.in

COURSE OUTCOMES:

On Completion of the course the students will be able to:

CO Number	CO STATEMENT
CO 1	Differentiate various economic and non economic factors that determine economic growth and development of Indian economy.
CO 2	Identify the importance of Physical and Human Capital for Economic Development of the country.
CO 3	Analyse recent trends in different methods of measurement in national income.
CO 4	Appraise the issues related to Poverty and Unemployment and understand relevant policy implications to combat these problems.
CO 5	Know the importance of Agricultural sectors in Indian Economy.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	2	2	1	0	2	2
CO2	1	2	2	2	3	3
CO3	3	2	2	1	2	1
CO4	3	2	2	2	3	3
CO5	2	2	1	2	2	2
AVERAGE	2.2	1.8	1.6	1.4	2.4	2.2

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**		
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER – IV
TAMIL NADU ECONOMY

II B.A HISTORY

TOTAL HOURS: 90   COURSE CODE   : EC18/4A/ TNY

CREDITS:5   LTP   : 3/3/0

COURSE OBJECTIVES

1. To gain an in depth knowledge of Tamil Nadu Economy
2. To familiarize students with sectoral dimensions of Tamil Nadu Economy
3. To Equip students to take up Competitive Exams

COURSE OUTLINE:

UNIT I : Geographical Features – Natural Resources: Land, Forest, Water,Fisheries and Minerals – Relevance of Regional Economics.

(15 Hours)

UNIT II : Growth of Population –Vital Statistics – Size - Gender Ratio in Rural and Urban – Birth and Death Rate – Life Expectancy – Infant Mortality Rate – Fertility Rate Vision 2020.

(15 Hours)

UNIT III : Irrigation -Cropping Pattern -Production of Food Grains and Non-Food Grains- Agricultural Policy – Agricultural Marketing – The Public Distribution System - Agricultural Credit – Role of Rural Banks and NABARD in Agricultural Development.

(20 Hours)

UNIT IV : Cotton, Sugar, Cement and Leather Industries –SSI in Tamil Nadu – Industrial Estates -Handloom Industry–Khadi and Village Industries - TIDCO, SIDCO, TANSI, SIPCOT and TIIC – Environment Protection Measures in Tamil Nadu– Thermal - Hydro and Nuclear Power in Tamil Nadu – Role and Challenges – SEZ.

(20 Hours)

UNIT V : Education – Health - Nutrition - Poverty and Unemployment - Rural and Urban Poverty Alleviation Programmes - Employment in the Organized and Unorganized sectors - Self Employment Schemes in Tamil Nadu.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. Leonard .S.J ," Tamil Nadu Economy", Laxmi Publications, 2006
2. S. Manickam, "Perspectives on Economic Development of Tamil Nadu", Novena Offset Printing Company, 1st Edition, 2014

REFERENCE BOOKS:

1. Madras Institute of Development Studies, "Tamil Nadu Economics Performance and Issues, Oxford and IBH Publishing Company Pvt, Ltd, New Delhi, 1998
2. Rajalakshmi V, Tamil Nadu Economy,(BPI) PVT, Ltd,1999
3. Veeramani A.R., Tamil Nadu Agricultural Economy2015\
4. Introduction to TN Vision 2023.
5. Statistical Handbook of Tamil Nadu, Department of Economics and statistics, Government of Tamil Nadu, 2017

JOURNALS:

1. Tamil Nadu Development Report, Planning Commission ,Government of India,2005
2. Politics of Welfare: Comparison Across Indian States , Tillin, R.Deshpande, Oxford University, 2015

E-LEARNING RESOURCES:

1. www.nipfb.org.in
2. http://www.tn.gov.in/government
3. https://www.census2011.co.in/census/state/tamil+nadu.html
4. www.investingintamilnadu.com
5. www.tnenvis.nic.in
6. www.agriculturenotes.com

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Recall the basic features of Tamil Nadu Economy and its potential on natural resources.
CO 2	Identify the Demographic features and analyse the issues related to population growth in Tamil Nadu.
CO 3	Gain knowledge on the importance of irrigation for agricultural development
CO 4	Have basic knowledge on classification of Industries in India and its contribution to the state economy
CO 5	Identify the Social, Education and Health policies introduced by the Government of Tamil Nadu.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	2	2	1	2	2	2
CO2	2	2	1	2	2	2
CO3	1	2	2	2	2	2
CO4	2	2	2	3	2	2
CO5	3	2	2	2	2	2
AVERAGE	2	1.8	1.6	2.2	2.0	2.0

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**		
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER - V
DEVELOPMENT OF ECONOMIC IDEAS

TOTAL HOURS : 90   **COURSE CODE: EC18/5C/DEI**

CREDITS:4   **LTP :3/3/0**

COURSE OBJECTIVES
1. To understand the evolution of Economic Ideas under various schools of thought.
2. To expose students to the Economic Ideas of Nobel Laureates.

COURSE OUTLINE:

UNIT I : Economic Thought of Plato and Aristotle- Doctrines of Just Cost and Just Price- Mercantilism Main Characteristics - Thomas Mun – Physiocracy - Natural order, Importance of Agriculture - Social Classes, Tableau Economique –Taxation – Turgot.

(15 Hours)

UNIT II : Adam Smith- Division of Labour and Specialization - Theory of value – Capital Accumulation - Distribution, Views on Trade, Economic Progress - David Ricardo - Theory of Rent – Distribution - Ideas on Economic Development and International Trade - Thomas R. Malthus - Theory of Population - Historical School -Views of Roscher - Marginal School - Marx and Scientific Socialism- Communist Manifesto - (Marxian)- Theory of Surplus Value - Law of Capitalist Accumulation - Theory of Capitalist Exploitation.

(20 Hours)

UNIT III : Alfred Marshall - Stationary State- Utility- Quasi Rent- Laws of Returns - Walrus- General Equilibrium - Pigou: Welfare Economics - Institutional Economics –Thorstein Veblen - Business Enterprises - Institution of Leisure Class- Class Conflict – Commons - Mitchell- Kenneth Galbraith.

(20 Hours)

UNIT IV : Theory of Employment - Theory of Consumption - Liquidity Preference Theory and Rate of Interest - Keynes - Great Depression. J.A. Schumpeter-J.M. Clark- Lionel Robbins- R. Nurkse - Joan Robinson.

(15 Hours)

UNIT V : Paul A. Samuelson, Kuznets, Arrow, Myrdal, Schultz, A.Lewis - Amartya Sen. Early economic ideas – Kautilya, Valluvar - Modern Economic ideas - Naoroji, Ranade, Periyar - Economic ideas of Gandhi - Trusteeship – Village Swadeshi - Place of Machine and Labour – Cottage - Industries - Co- operation - Ambedkar - Approaches to planning - The National Planning Committee – Nehru - Gadgil - Indira Gandhi -Kamaraj.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1.   S.K.Srivastava," History of Economic Thought", S.Chand Publication, 2008.

2.   Heinz D Kurz ,"Economics Thought: A Brief History", Columbia University Press; 2016.

REFERENCE BOOKS:

1.   M.L Jhingan ,M.Girija , L.Sasikala "History of Economic Thought" 3rd Edition, Virnda Publication 2014.

2.   R.R.Paul "History of Economic Thought" ,Kalyani Publisher,2018.

3.   E.K. Hunt and Mark Lautzenheiser, "History of Economic Thought" 3rd Edition, Routledge Publication 2011.

4.   Steven G. Medema and Warren J. Samuels, "The History of Economic Thought- A Reader", 2nd Edition, Routledge Publication, 2010.

5.   Isaac Ilyich, "A History of Economic Thought "–Rubin Pluto Publication, 2013.

JOURNALS:

1.   The European Journal of the History of Economic Thought.

2.   History of Economic Ideas : HEI

E-LEARNING RESOURCES:

1.   www.nic.edu/calt/olc
2.   https://ocw.mit.edu
3.   https://www.inomics.com>insight>tap
4.   https://www.tonybates.ca
5.   https://www.economicsnetwork.ac.uk
6.   https://www.conted.ox.ac.uk

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Classify the view point of economists and the Origin and development of economic ideas..
CO 2	Relate to development of economic theory of Classical, Historical and Marxian schools of Economic thought.
CO 3	Examine the ideas of Alfred Marshall and other welfare Economists.
CO 4	Recall Keynesian Economic ideas
CO 5	Gain knowledge on the perspectives of Indian Economists

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	3	1	2	3	2
CO2	3	3	1	3	2	2
CO3	3	3	1	2	2	2
CO4	3	2	1	2	2	2
CO5	2	2	1	2	3	2
AVERAGE	2.8	2.8	1.0	2.2	2.4	2.0

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	**100**	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER – V

INDIAN ECONOMY

TOTAL HOURS   : 90   **COURSE CODE: EC18/5C/IEY**

CREDITS :4   **LTP   : 3/3/0**

COURSE OBJECTIVES:

1.   To understand the structure of Indian Economy.

2.   To review major trends in economic indicators and policies.

COURSE OUTLINE:

UNIT I   :   Concept of Economic Growth and Development- Features of the Indian Economy- Major issues of Economic Development in India- Growth of population- Demographic Transition- Birth Rate - Death Rate- Gender Composition- Age Composition- Density of Population- Urbanisation- Demographic trend.

(15Hours)

UNIT II   :   Poverty in India - Absolute Poverty - Relative Poverty – Causes – Poverty Alleviation Programmes – Unemployment - Kinds of Unemployment - Problems of Unemployment – Measures.

(15Hours)

UNIT III   :   National Income in India – Trends – Sectoral Contribution – FIRE Sector – Capital Formation in India – Planning- Objectives and Assessment - Eleventh and Twelfth Five Year Plans – NITI Aayog.

(20Hours)

UNIT IV   :   Health and Family Welfare - Health Indicators in India- National Rural and Urban Health Mission Programmes- Objectives and Achievements – MDG – HDI - PQLI – DALYs – Happiness Index – Education – Progress of Education in India – Role of Technical and Vocational Education.

(20 Hours)

UNITV   :   Government   Schemes–Pradhan   MantriJan DhanYojana(PMJDY)–   SukanyaSamriddhiYojna (SSY) – RashtriyaSwasthyaBimaYojana(RSBY)-   National   Social Assistance Schemes – Pradhan Mantri Mudra Yojana- Pradhan MantriJivanJyotiBimaYojana(PMJJBY)   –   Rajiv Gandhi JeevandayeeArogyaYojana.

(20Hours)

RECOMMENDED TEXTBOOKS:

1. Indian Economy Gaurav Datt and Ashwani Mahajan, Sultan Chand and Sons, New Delhi, 2015.

2. Indian Economy I.C.Dhingra, Sultan Chand and Sons, New Delhi,2016.

REFERENCE BOOKS:

1. UmaKapila- "Indian Economy- Performance & Policies", 7th Edition,2017.
2. Indian Economy Dutt and Sundharam, Sultan Chand and Sons, New Delhi,2016.
3. Indian Economy S.Sankaran, Margham Publication, Chennai,2014.
4. Indian Economy A.N.Agarwal, New Age International Publishers,2017.
5. Misra and Puri; Indian Economy, Himalaya Publication House, New Delhi2012.

JOURNALS

1. Indian Economic Journal-Sage Publications
2. International Journal of Trend in Scientific Research and Development

E -LEARNING RESOURCES:

1. www.ibef.org>economy
2. www.worldbank.org
3. www.indiastat.com>stats
4. www.cbhidghs.gov.in
5. https://www.studocu.com/en/document/guru-gobind-singh-indraprastha-university/bachelors-of-business-administration/lecture-notes/indian-economy-notes/3405776/view

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Assess the basic characteristics of Indian economy and the demographic transition.
CO 2	Make a diagnosis on the factors related to poverty and unemployment.
CO 3	Categorize the components of National Income.
CO 4	Appraise health sector and the progress in educational sector.
CO 5	Debate on various government schemes for development.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	1	2	0	2	3
C02	3	2	2	2	2	3
C03	2	2	3	0	2	2
C04	3	2	2	1	2	2
C05	2	2	2	1	3	3
AVERAGE	2.6	1.8	2.2	1.6	2.2	2.6

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATED-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	**100**	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER – V

OPERATIONS RESEARCH

TOTAL HOURS: 90
CREDITS:4

COURSE CODE: EC18/5C/OP
LTP : 3/3/0

COURSE OBJECTIVES:

1. To enable students to understand the rational decision making in practice.

2. To help in acquiring entrepreneurial skills.

COURSE OUT LINE

UNIT I : Definition – Characteristics – Scope – Operations Research and Decision Making – Techniques, Relevance and Limitations of Operational Research – Meaning of a Model – Steps in building a model.

(15 Hours)

UNIT II : Introduction – Matrix formulation of a Transportation Problem – North West Corner Method - Least Cost Entry Method – Vogel's Approximation Method- Initial Basic Feasible Solution - Assignment – Introduction – Balanced and Unbalanced Assignment Problem – Solution using Hungarian Assignment Method.

(20 Hours)

UNIT III : Decision Theory – steps in Decision Theory – Concepts of Expected Monetary Value – Expected Value of Perfect Information and Expected Opportunity Loss - Introduction to Risk and Uncertainty – Decision under Uncertainty using Laplace - Maximin – Minimax – Maximax – Hurwicz and Savage methods.

(20 Hours)

UNIT IV : Network Analysis –Meaning – Objectives and Applications – Fundamental Concepts – Event – Activity – Path – Dummy Activity – Fulkerson's Rule – Network Construction – Time Estimates in Network Analysis – Earliest Finish
– Latest Finish – Critical Path – Programming Evaluation Review Technique (PERT).

(20 Hours)

UNIT V : Traffic Intensity- Idle rate- Queuing Theory – Single Channel- Number of Customers in Line and System - Time Spent by the Customers in Line and System- Probability of Customers' Waiting.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1. K.K.Chawla,Vijay Gupta and BhushanK.Sharma ., Introduction to Operations Research,Kalyani Publishers 2011

2. Hamdya.Taha,Operations Research: An Introduction, 10th Edition, Pearson, 2017.

REFERENCE BOOKS:

1. Kapoor V.K., Operations Research, Sultan Chand and Sons, New Delhi2011.

2. P.K. Gupta & Manmohan, Problems in Operations Research (Methods and Solutions), Sultan Chand and Sons, New Delhi1992.

3. Panneerselvam R., Operations Research, Prentice-Hall India2018.

4. Srivastava U.K, Shenoy G.V., & Sharma S.C., Quantitative Techniques for Managerial Decisions, Wiley Eastern Limited2016.

5. Vohra N.D., Quantitative Techniques in Management, McGraw Hill2011.

JOURNALS:

1. International Journal of Operation Research.

2. International Journal of Operation Management and Technology.

E-LEARNING RESOURCES:

1. www.yorku.ca>ptryfos

2. https://pubsonline.informs.org>abs

3. https://www. ecourseonline.iasri.res.in>view

4. https://www.statisticshowto.datasciencecentral.com

5. https://www.gateexplore.com

COURSE OUTCOMES:

On completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Describe the scope and characteristics of operations research.
CO 2	Learn to maximise profit and minimise cost
CO 3	Take appropriate decisions under conditions of risk and uncertainty.
CO 4	Assess the role of CPM and PERT in project chosen within a time span.
CO 5	Enhance the entrepreneurial skill and steps in cost reduction.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	2	0	1	1	0	0
CO2	2	0	3	2	2	3
CO3	2	0	3	2	2	3
CO4	1	0	3	3	2	3
CO5	3	0	3	2	2	2
AVERAGE	2	0	2.6	2	1.6	2.2

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATED-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory Section A must have 6 theory and 4 problems
K1. K 2	**B-5/8x8 marks**	**300**	**40**		Section B must have 2 theory and 6 problems
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		Section C must have 1 theory and 3 problems

SEMESTER – V
FISCAL ECONOMICS

TOTAL HOURS: 90

CREDITS:4

COURSE CODE:EC18/5C/FIE

LTP:3/3/0

COURSE OBJECTIVES

1. To equip the students to know Public Revenue and the Role of Taxation.
2. To make the student assess Public Expenditure, Deficit Financing and Public Debt in India.

COURSE OUTLINE:

UNITI : Meaning and Role of Public Finance –Distinction between Public Finance and Private Finance - Principle of Maximum Social Advantage.

(15 Hours)

UNIT II : Taxes- Canons of taxation- Classification – Theories of Taxation, Cost of Service Theory, Benefit Principle and Ability to Pay Theory- Shifting and Principle of Taxation - Incidence- Impact of Taxation- Budget- Features- Recent Union and State Budget- Gender Budgeting.

(20 Hours)

UNIT III : Public Revenue -Source of Revenue of the Centre and States - Tax and Non- Tax Revenue - Role of Direct Tax- Income Tax - Corporate Tax - Role of Indirect Tax- GST- GST Council.

(20 Hours)

UNIT IV : Public Expenditure - Classification- Causes- Growth of Public Expenditure in India Since 2015 – Finance Commissions (Recent Two).

(20 Hours)

UNIT V : Deficit Financing- Trends in Fiscal Deficit as a Ratio to GDP- Public Debt- Need for Public Debt - Public Debt and Private Debt - Cause and Effects of Public Debt - Public Debt Redemption. Issues - Challenges and Trends in Public Debt in India since 2015- Fiscal Policy in India.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1.   Dr. S.K Singh.Public Finance in theory and Practice", S. Chand Publishing, 2008

2.   Chaman L. Jain, " Essentials of Monetary and Fiscal Economics",Graceway Pub Co , 1995

REFERENCE BOOKS:

1.   Bhatia H.L., "Public Finance", Vikas Publishing House, New Delhi2017.

2.   Lekhi Public Finance, Kalyani Publishers, New Delhi2015.\

3.   Raja J. Chelliah, "Fiscal Policy in Underdeveloped Countries", Allen and Moowbray Limited at the Alden Press Oxford, II Edition,2012.

4.   Richard. A. Musgrave & Peggy B. Musgrave, Public Finance in Theory and Practices, McGraw Hill International Edition, New York,2006.

5.   Tyagi B.P. "Public Finance", Gah. Nauchandi Hugh Dalton, "Principle of Public Finance", Broadway House, Carter Lane, London,2015.

JOURNALS:

1.   The Journal of Applied Public Economics

2.   Journal of Public Economics

E- LEARNING RESOURCES:

1.   https://www.khanacademy.org

2.   elearning.ec.unipi.gr>elearning

3.   https://tradingeconomics .com>india

4.   https://efinancemanagement.com/financial-management/public-finance

5.   https://www.taxpolicycenter.org

COURSE OUTCOMES:

On Completion of the Course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Understand the concept of Public Finance.
CO 2	Role of Taxation in the economy.
CO 3	To understand the various sources of Public Revenue.
CO 4	To understand the Classification and Growth of Public Expenditure.
CO 5	To Analyse the trends in Deficit Financing and the challenges in Public Debt in India.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	3	2	2	2	3	3
CO2	2	2	3	3	3	3
CO3	1	2	2	3	3	3
CO4	3	3	3	3	3	3
CO5	2	3	2	3	3	3
AVERAGE	2.2	2.4	2.4	2.8	3	3

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATED-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER-V
HEALTH ECONOMICS

TOTAL HOURS: 90   **COURSE CODE: EC18/E1/HES**

CREDITS:5   **LTP:3/3/0**

COURSE OBJECTIVES:

1. To understand the importance and contribution of health sector to economic development.
2. To have an insight of the Health infrastructure and recent trends in medical tourism

COURSE OUTLINE:

UNIT I   :   Definition of Health Economics - Importance – Concepts – Health Care -   Health Indicators - Birth Rate - Death Rate – IMR – CMR – MMR - Morbidity Rate (Acute and Chronic) - Disability Adjusted Life Years (DALYs) - Quality Adjusted Life Years (QALY)– Gender Ratio.

(20 Hours)

UNITII   :   Demand for Health Care – Case of Health Care Accessibility – Socio Economic and Cultural Factors, Determining Health Status – Supply of Health - Health Care Delivery system- Pricing Health Care.

(20 Hours)

UNITIII   :   Health Expenditure –Public and Private – Direct and Indirect – Health Insurance – Concept of User Cost – Health Policy of WHO – NRHM–NFHS.

(15 Hours)

UNITIV   :   Health Infrastructure – Rural – Urban – Government Programmes- Health Allocation in Budget.

(20 Hours)

UNITV   :   Supply and Demand of Medical Tourism – Areas – Opportunities and Constraints - India and Medical Tourism.

(15 Hours)

RECOMMENDED TEXT BOOKS:

1.   Xamer Martinez Giralt, Principles of Health Economics, RoutledgePublictions, 2010.

2.   HimanshuSekhar Rout and Prasant Kumar Panda, Health Economics in India, New Century Publication, 2010.

REFERENCE BOOKS:

1.   Banerjee, D. (2016), Social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June.

2.   Edwin G Dolan and John C Goodman: Economics of Public Policy: West Publishing Company, New York2015.

3.   Alistair McGuire, John Henderson and Gavin Mooney, " The Economics of Health Care An Introductory Text", Routledge, 2015.

4.   Infrastructure Report: India Infrastructure – Oxford University Press (Revised Edition) 3. Nanjudappa – Economics of Transport,2011.

5.   N.K.Anand and ShikhaGoel, "Health Economics", A.I.T.B.S Publishers, India,2006

JOURNALS:

1.   Journal of Health Economics Outcomes and Research
2.   Elsevier BV Journal of Health Economics

E-LEARNING RESOURCES:

1.   www.cihi.ca>health-indicators

2.   www.healthknowledge.org.uk

3.   www.healthdata.gov.in

4.   www.data.gov.in>healthinfrastructure

5.   www.indiahealthcaretourism.com

COURSE OUTCOMES:

On Completion of the Course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Define the importance of health indicators.
CO 2	Evaluate the components of demand and supply of health care.
CO 3	Estimate Health expenditure, importance of Health insurance and Health policy.
CO 4	Review the existing health infrastructure and Budget Allocation.
CO 5	Trace the growth of Medical tourism in India.

MAPPING COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	3	0	3	3
C02	2	2	2	0	3	2
C03	3	2	3	0	2	2
C04	2	1	3	0	2	2
C05	2	2	3	1	3	3
AVERAGE	2.4	1.8	2.8	0.2	2.6	2.4

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATED-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**		Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**	**100**	
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER V

INDUSTRIAL ECONOMICS

TOTAL HOURS:90   **COURSE CODE: EC18/E1/IDE**

CREDITS:5   **LTP: :3/3/0**

COURSE OBJECTIVES:

1. To study the concepts, theories and determinants of industrial Economics
2. To asses industrial productivity and critically review industrial policies.

COURSE OUTLINE:

UNIT I : Introduction – History of Industrial Economics – Factors InhibitingIndustrialization Industrial Efficiency – Meaning - Determinants and Measurement.

(15 Hours)

UNIT II : Determinants of Industrial Location – Theories of Industrial Location - Weber and Sargent Florence – Approaches to Industrial Location – Industrial Locational Trends in India – Need for Balanced Regional Development in India.

(20 Hours)

UNIT III : Importance and Measurement of Productivity- Scope and Significance- Tools of Productivity - Factors influencing Industrial Productivity - Labour Productivity - Meaning and Determinants - Wrong Notions of Productivity- Productivity Movement in India - National Productivity Council.

(15 Hours)

UNITIV : Market Concentration – Diversification – Vertical Integration and Merger – Innovation-ProcessofInnovationandMeasurementofInnovationActivities– Theory of Technological Innovation – Diffusion of New Technology

(20 Hours)

UNITV : Industrial Policy - Globalization in Indian Industry – Privatisation& Issues Relating to Disinvestment Policies-MSME.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1.   R.R. Barthwal, "Industrial Economics", New Age International Publishers, New Delhi 2016.
2.   Paul Belleflameet.l"The theory of Industrial Organisation- Markets and Strategies", Cambridge University Press, 2012

REFERENCE BOOKS:

1.   Kuchhal, S. C. Industrial Economy of India, Chaitanya Publishing House, Allahabad (1980)
2.   Feldstein, M.S. Economic Analysis of Health Service Efficiency, North Holland, Amsterdam, (1977).
3.   Government of India, National Health Policy, NewDelhi, (1983)
4.   Jean Tirole, The Theory of Industrial Organization, Prentice Hall,2010
5.   Dennis W.Carlton and Jeffrey M.Perloff, Modern Industrial Organisation, Cambridge University Press,2015.

JOURNALS:

1.   International Journal of Industrial Organization

2.   The Journal of Industrial Economics

3.   Journal of Industrial and Business Economics

E-LEARNING RESOURCES:

1.   https://www.economicsnetwork.ac.uk>el.
2.   https://www.parisschoolofeconomics.eu/en/industrial-organization
3.   www.studyingeconomics.ac.uk/industrial-economics
4.   https://www.aiu.edu/publications
5.   https://schoolworkhelper.net/industrial-revolution/
6.   https://ilostat.ilo.org/

COURSE OUTCOMES:

On Completion of the Course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Explain the concepts of industrial economics and determinants of measurement in industrial efficiency.
CO 2	Analyse the theories of Industrial Economics.
CO 3	Examine tools and factors influencing industrial and labour productivity
CO 4	Assess the strategies of innovation and its measurement.
CO 5	Evaluate new industrial policies and its impact in our economy.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	3	3	2	3	3
CO2	3	3	3	2	3	2
CO3	3	2	2	3	3	3
CO4	3	2	3	3	3	3
CO5	3	3	3	3	3	3
AVERAGE	3	2.6	2.8	2.6	3	2.8

KEY:STRONGLY CORRELATED-3 **M**ODERATELY CORRELATED-2 **W**EAKLY CORRELATED-1 **N**O CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question
K1. K 2	B-5/8x8 marks	300	40	100	No.- is
K2, K 3	C-2/4x20 marks	1200	40		compulsory

SEMESTER-V

PRINCIPLES OF MARKETING

TOTAL HOURS: 90
CREDITS : 5

COURSE CODE: EC18/E1/POM
LTP: 3/3/0

COURSE OBJECTIVES:

1. To study the contribution of marketing in economic development
2. To enable the students to understand the essentials of marketing

COURSE OUTLINE:

UNIT I : Market and Marketing – Introduction – Evolution – Classification – Types – Marketing Features – Objectives – Importance of Marketing – Marketing and Selling- Relevance of Selling Cost - Modern Marketing Concept – Marketing Functions – Marketing Tools.

(15 Hours)

UNIT II : Buying–Classification–ProblemsofBuying–ElementsofBuying–

Purchasing Methods. Assembling– Meaning–Advantages–

Problems Selling – Elements- Kinds.

(20 Hours)

UNIT III : Standardization- Meaning - Labeling – Grading- Methods of Grading – Types of Grading – Significance – Control of Standard – ISI – AGMARK-BIS.

(20 Hours)

UNIT IV : Mix-Positioning of Product –

MarketSegmentation and Product Differentiation –

Product Modification.

(15 Hours)

UNIT V : Recent Trends in Marketing – Marketing Information Systems – e-Commerce– Marketing Research – Consumerism.

(20 Hours)

RECOMMENDED TEXT BOOKS:

1.   Philip Kotler, "Marketing – An Introduction" Asia Pacific holding Private Limited   2005.

2.   Dr.Rajan Nair., "Marketing", Sultan Chand and Sons, 2010.

REFFERENCE BOOKS:

1.   R.S.N. Pillai andBhagvathi -Modern Marketing Principles and Practices. S .Chand & Co Ltd.,2010.

2.   Philip Kotler-.Principles of Marketing, Gary Armstrong,2014.

3.   John F. Tanner, Jr., Mary Anne Raymond, Camille Schuster -Principles of Marketing, 2016.

4.   Dr.C.B.Gupta,Dr.N.Rajan Nair, Marketing Management ,Sultan Chand &Sons, 2013

5.   Dr.C.B.Mamoria, Pradeep Jain, PritiMitra,Theory and Practice of Marketing, Kitab Mahal, 2013.

JOURNALS:

1.   Journal of Marketing – American Marketing Association

2.   Journal of Marketing

E-LEARNING RESOURCES:

1.   http://www.Nou.Edu.Ng/Sites/Default/Files/2017-10/Mkt%20108%20introduction%20to%20marketing.Pdf

2.   www.productleadership.com

3.   http://www.pondiuni.edu.in/storage/dde/downloads/mbaii_mm.pdf

4.   http://marketingland.com

5.   https://www.coursera.org › Browse › Business › Marketing

COURSE OUTCOMES

On completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO1	Recognize the significance and functions of marketing
CO2	Get an insight of the various steps related to marketing
CO3	Gain knowledge about market segmentation and production
CO4	Identify the methods adopted for standardisation of agricultural products
CO5	Analyse the recent development in marketing

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	3	3	3	3	3	3
CO2	3	3	3	2	3	3
CO3	3	2	3	2	3	3
CO4	2	2	2	1	3	3
CO5	3	3	3	2	3	3
AVERAGE	2.8	2.6	2.8	2	3	3

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2
WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	**100**	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER - VI
ENVIRONMENTAL ECONOMICS

TOTAL HOURS: 90 **COURSE CODE: EC18/6C/ENE**

CREDITS : 4 **LTP:3/3/0**

COURSE OBJECTIVES :

1. To enable the students to have insight about Ecological problems
2. To enable the students understand Environmental Issues and Policy

COURSE OUTLINE

UNIT I : Environmental Economics – Definition – Scope – Conservation of Natural Resources – Ecological Economics – Definition – Environmental Kuznets Curve.

(15 Hours)

UNIT II : Public Goods - Market Failure – Externalities – Property Right and Coase theorem – Tragedy of Commons – Pareto Optimality.

(15 Hours)

UNIT III : Pollution Prevention and Control - Command and Control Methods – Pigouvian Taxes and Effluent Fees – Tradable Permits – Choice Between Taxes and Quotas under Uncertainty – Implementation of Environmental Policy.

(20 Hours)

UNIT IV : International Environmental Problems – Economics of Bio-Diversity – Economics of Climate Change – Trade and Environment – Valuation of Non- Market Goods and Services - Methods- Cost- Benefit Analysis - Environmental Policies and Regulations.

(20 Hours)

UNIT V : Sustainable Development**-** Concepts – Measurement – SDG (Environment related) – Preservation and Conservation of Natural Resources – Cleaner and Greener Technologies – Green National Accounting – Swachh Bharat - Swachh Bharat Abhiyan – SwachhSurvekshan

(20 Hours)

RECOMMENDED TEXTBOOKS:

1.   Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2nd Edition,2010.

2.   Karpagam. M. - Environmental Economics, Sterling Publishers Private Ltd.1999.

REFERENCE BOOKS:

1.   Eugine .T Environmental Economics, Oxford University Press, New Delhi. (2014),

2.   Hanley N, Shogren JF, White B "Environmental Economics in Theory and Practice", 2nd Edition. Palgrave Macmillan, 2007

3.   Dasgupta, P.S. and G.M. Heal, Economic Theory and Exhaustible Resources, University Press (Selected chapters), 1979.

4.   Maureen L. Cropper and Wallace E. Oates, "Environmental Economics: A Survey", Journal of Economic Literature, Volume 30, 1992,

5.   Robert N.Stavins (ed.), Economics of the Environment: Selected Readings, W.W.Norton, 5th Edition,2005.

JOURNALS:

1.   Journal of Environmental Economics and Policy

2.   Journal of Environment and Development Economics

E-LEARNING RESOURCES:

1.   https://ocw.mit.edu/courses/economics/14-42-environmental-policy-and-economics-spring-2011/lecture-notes/

2.   http://www.yourarticlelibrary.com/economics/environmental-economics/nature-and-scope-of-environmental-economics-explained/39401

3.   www.steadystate.org

4.   www.iisd.org

5.   www.csc.noaa.gov/coastal/economics/envvaluation.htm

COURSE OUTCOMES

On Completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Examine the importance of conservation of resources
CO 2	Identify the effect of externalities
CO 3	Have the ability to solve environmental problems through fiscal techniques
CO 4	Classify the various tools available in evaluating the environment
CO 5	Formulate policies to conserve natural resources

MAPPING-COURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	3	1	1	3	3
CO2	2	2	1	2	3	3
CO3	2	2	2	2	3	3
CO4	2	2	3	2	2	2
CO5	2	2	2	2	3	3
AVERAGE	2.2	2.2	1.8	1.8	2.8	2.8

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER – VI

TAMIL NADU ECONOMY

TOTAL HOURS: 90   **COURSE CODE: EC18/6C/TNE**

CREDITS: 4   **LTP:3/3/0**

COURSE OBJECTIVES :

1. To enable students to gain an in-depth knowledge of basic features of Tamil Nadu economy.
2. To Familiarize students about the sectoral dimensions of Tamil Nadu Economy

COURSE OUTLINE:

UNITI   :   Salient Features - Land Area - Livestock - Forest Resources- Water – Minerals-Fisheries

(15Hours)

UNIT II   :   Growth of Population – Gender Ratio - Birth and Death Rate - Life Expectancy – IMR - MMR - Education- Health - Rural and Urban Poverty - Alleviation Programmes - Self Employment Schemes.

(20Hours)

UNIT III   :   Land use - Cropping Pattern - Principal Commodities - Sources of Irrigation - Agricultural Marketing – Defects - Remedial Measures - Food Security- PDS- FCI- Agricultural Finance- NABARD.

(15Hours)

UNIT IV   :   Major Industries- Automobile- Leather - Cotton- Sugar- Cement- Software- MSME- Cottage Industries- Ancillary Industries- Handloom Industries- Role of Tamil Nadu Government in Industrial Development - TIIC, SIDCO, SIPCOT, TANSI, TIDCO, Environmental Protection Measures in Tamil Nadu– TANSTA – Tamil Nadu Rank in Business.

(20Hours)

UNITV   :   Infrastructure – Transport – Communication – Power –Water.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1.   Leonard .S.J ," Tamil Nadu Economy", Laxmi Publications, 2006

2.   S. Manickam, "Perspectives on Economic Development of Tamil Nadu", Novena Offset Printing Company, 1ˢᵗ Edition, 2014

REFERENCE BOOKS:

1.   Madras Institute of Development Studies, "Tamil Nadu Economics Performance and Issues, Oxford and IBH Publishing Company Pvt, Ltd, New Delhi, 1998

2.   Rajalakshmi V, Tamil Nadu Economy,(BPI) PVT, Ltd,1999

3.   Veeramani A.R., Tamil Nadu Agricultural Economy,Divyasre Publication,2015

4.   Introduction to TN Vision 2023.

5.   Statistical Handbook of Tamil Nadu, Department of Economics and Statistics, Government of Tamil Nadu, 2017

JOURNALS:

1.   Tamil Nadu Development Report, Planning Commission ,Government of India,2005

2.   Politics of Welfare: Comparison Across Indian States ,Tillin, R.Deshpande, Oxford University, 2015

E-LEARNING RESOURCES:

1.   http://www.tn.gov.in/
2.   www.nipfb.org.in
3.   https://www.census2011.co.in/census/state/tamil+nadu.html
4.   www.investingintamilnadu.com
5.   www.tnenvis.nic.in
6.   www.agriculturenotes.com
7.   http://siteresources.worldbank.org/INTINDIA/Resources/TamilNadu-AgricultureDevelopment.pdf

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	State the basic features of Tamil Nadu Economy.
CO 2	Understand the trends in the Growth of population in Tamil Nadu.
CO 3	Interpret the importance of Cropping pattern and Agricultural Marketing in Tamil Nadu.
CO 4	Compare the relative importance of large and small industries in Tamil Nadu.
CO 5	Study the features of Transport Network in Tamil Nadu

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	3	2	1	2	2	3
CO2	2	2	2	2	2	2
CO3	2	2	2	2	2	2
CO4	2	2	1	1	2	2
CO5	1	1	2	2	2	1
AVERAGE	2.0	1.8	1.6	1.8	2.0	2.3

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**		Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**	**100**	
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER – VI

COMPUTER APPLICATIONS IN ECONOMICS

TOTAL HOURS : 90	**COURSE CODE: EC18/6C/CAE**
CREDITS:4	**LTP :3/2/1**

COURSE OBJECTIVES:

1. To enable the students to the basic concepts on computer applications
2. To gain knowledge on application of Digital tools in Economic analysis.

COURSE OUTLINE:

UNIT I : Introduction to Computers and Peripherals - Computer – meaning, types, features and limitations– Basic components of computer –Input and output devices – Primary memory and Secondary storage– Computer software– types – Malicious Software – Protecting Computer– Operating systems– functions and types.

(15 Hours)

UNIT II : Word Processing - MS Word 2007– word basic tool bars –Creating a new document– Manipulation of the first document – Editing the Document - Inserting a Table, Graph, Image and Video– Inserting Header, Footer and page number– inserting equations (equation editor) – inserting, activating and deactivating a hyperlink- Records and mail merge.

(20 Hours)

UNIT III : Data Analysis -Excel 2007– Excel environment– Excel toolbars – Insertion of Rows and Columns– Entering Data/Text– Editing Data/Text. Data – Autofill– Sort– Filter -Creation of charts and graphs– Manipulation of Data –Formula Syntax- Entering and Editing Formula– Auto Sum- Insert Functions – Function Library – Mathematical, Statistical and Financial – Descriptive statistics – Correlation and Regression using data analysis tool pack – Trend lines : Linear and Non-Linear – use of Excel in Economics and Business Analysis.

(20 Hours)

UNIT IV : Preparation of Presentations - PowerPoint 2007–Introduction to PowerPoint – Creating a new presentations – Using auto content wizard – Using blank presentation option – Using design template option–adding slides–deleting / duplicating a slide – Inserting/importing images, videos, graphs–transition / animation effects- Starting a slideshow – An introduction to Data Science.

(20 Hours)

UNIT V : The Digital Economy - The World Wide Web –Evolution of Internet-Basic Internet Terminologies– Creating, Sending and Receiving email– Social Networks - e-commerce – Meaning and Concept– History of E-commerce – Importance, Features & Benefits of e-commerce – Impacts, Challenges and Limitations of e-commerce – Online shopping-Electronic Payment System.

(15 Hours)

RECOMMENDED TEXTBOOKS:

1. K.Dhanasekaran, "Computer Application In Economics", Vrinda Publications; 1st edition,2010.

2. Oscar Afonso , Paulo B. Vasconcelos, "Computational Economics: A concise introduction", Routledge; 1st edition, 2015

REFERENCE BOOKS:

1. David King et.al Electronic Commerce: A Managerial Perspective, Turban, Efraim, Pearson Education Asia,Delhi.

2. Greg Harvey, PhD Microsoft Office Excel 2007 For Dummies, , Wiley Publishing, Inc., (ISBN–13:978–0–470–03737–9).

3. Joyce Moon, PHI, Microsoft Office Word 2007 Plain &Simple, ISBN–13– 9788120331631, 1stEdition 2007

4. Hoffer, Jeffrey A, Marry B.Prescott, and Fred R.McFadden Modern database Management;: Pearson Education, New Delhi, 2004.

5. K.V.S. Sharma, Statistics made simple–do it yourself on PC , PHI, 4thEdition.

JOURNALS:

1. International Journal of Economics and Business

2. International Journal of Computer Mathematics - Taylor and Francis

E-LEARNING RESOURCES:

1. http://pdfs.semanticscholar.org

2. http://www.researchgate.net

3. http://www.core.ac.uk>pdf

4. http://www.x-cell.com

5. http://www.sciencedirect.com

COURSE OUTCOMES:

On Completion of the course the students will be able to

CO NUMBER	CO STATEMENT
CO 1	Outline the basic concepts of computer peripherals, primary and secondary memory and functions of operating system
CO 2	Apply MS Word in Economics.
CO 3	State the importance of Data analysis using Excel, Creating formulae using mathematical and statistical functions in Business analysis
CO 4	Develop the presentation skills using Power Point, design templates with animation effects in slideshow.
CO 5	Explore the World Wide Web using Internet terminologies.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO1	3	2	2	3	2	2
CO2	2	2	2	3	3	3
CO3	3	2	3	2	3	2
CO4	3	2	2	2	3	3
CO5	3	2	3	3	2	3
AVERAGE	2.8	2	2.4	2.6	2.6	2.6

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/4x20 marks	1200	40		

SEMESTER VI

MANAGERIAL ECONOMICS

TOTAL HOURS:90   **COURSE CODE: EC18/E2 /MNE**
CREDITS :5   **LTP :3/3/0**

COURSE OBJECTIVES:

1)   To enable the students understand the concepts of Managerial Economics.
2)   To help them to understand capital budgeting and project profitability.

COURSE OUTLINE:

UNIT I : Managerial Economics-Definition –Nature –Scope and Methodology of Managerial Economics - Basic Tools of Managerial Economics - Role and Responsibilities of a Managerial Economist.

(15 Hours)

UNIT II : Demand Determinants - Demand Distinction – Demand Forecasting- Qualitative and Quantitative Methods of Forecasting-Importance and Limitation (Problems)

(20 Hours)

UNIT III : Profit–Accounting and Economic Profit-Measurement-Profit Planning and Forecasting-Break Even Analysis-Uses of Break-Even Analysis(Problems).

(20 Hours)

UNIT IV : Capital Budgeting– Cost of Capital– Project Profitability– Methods– Pay Back Period-Accounting Rate of Return –Internal Rate of Return- Net Present Value Method (Problems).

(15 Hours)

UNIT V : Optimisation techniques with reference to Linear Programming-Graphical and SimplexMethods.

(20 Hours)

RECOMMENDED TEXTBOOKS:

1. P.L.Mehta, "Managerial Economics", Sultan Chand and Sons, New Delhi,2016.
2. Donald N Stengel, 2011, Managerial Economics Concepts and Principles Business ExpertPress.

REFERENCE BOOKS:

1. D.N.Dwivedi , 2011 , Managerial Economics, Vikas Publishing House Pvt.Ltd.

2. Varshney. R.L and K.L. Maheswari, Managerial Economics, Sultan Chand and Sons, New Delhi,2014.

3. Yogesh, Maheshwari, Managerial Economics, 2013 PHI Learning PvtLtd.

4. Michael R Baye, Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5th Edition 2006.

5. Vohra N.D., Quantitative Techniques in Management, McGraw Hill2011.

JOURNALS:

1. The IUP Journal of Managerial Economics, IUP Publications
2. Asian Journal of Research in Business Economics and Management(AJRBEM)

E LEARNING RESOURCES:

1. www.nic.edu/calt/olc
2. https://ocw.mit.edu
3. https://libguides.humboldt.edu/openedu/econ
4. https://online.stmary.edu/mba/courses/managerial-economics
5. www.gettingsmart.com
6. economicsonline.co.uk

COURSE OUTCOMES:

On completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO 1	Explain the models and analyse case studies
CO 2	Assess the various methods of inventory control
CO 3	Discuss the role played by Government in market economy.
CO 4	Analyse the risks involved in projects
CO 5	Identify Economic and Business forecasting techniques

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	3	2	3	2	2	2
CO2	3	2	3	2	2	2
CO3	2	2	2	2	2	1
CO4	2	2	3	2	1	1
CO5	2	2	2	2	2	1
AVERAGE	2.4	2	2.6	2	1.8	1.4
CO/PSO	12	10	13	10	9	7

KEY: STRONGLY CORRELATED-3 MODERATELY CORRELATED-2 WEAKLY CORRELATED-1 NO CORRELATION

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	**A-10X2 marks**	**50**	**20**	**100**	Question No.- is compulsory
K1. K 2	**B-5/8x8 marks**	**300**	**40**		Section C must have 1 problem
K2, K 3	**C-2/4x20 marks**	**1200**	**40**		

SEMESTER VI
AGRICULTURAL ECONOMICS

TOTAL HOURS: 90   **COURSE CODE:EC18/E3/AGE**

CREDITS :5   **LTP: 3/3/0**

COURSE OBJECTIVES:
1.   To study the Overview of Agriculture in Indian Economic Scenario.
2.   To enable the students to understand the various issues in Indian Agriculture

COURSE OUTLINE:

UNIT I	:	Role of Agriculture in Economic Development – Agriculture Development- Agricultural Production - Resource use & Efficiency – Trends in Agricultural growth in India – Inter-Regional variations in Growth of Output and Productivity.

(15Hours)

UNIT II	:	Cropping Pattern Shifts – Supply of Inputs – Irrigation, Power, Seed and Fertilizers, Pricing of Inputs and Role of Subsidies, Sustainable Agriculture – Indigenous Practices – Bio-Technological Practices and Growth Potential – OrganicFarming.

(20Hours)

UNIT III	:	Principles of Land Utilization – Land distribution - Structure and Trends - Land Values and Rent – Land Tenures and Farming systems – Peasant and Capitalist - Collective and State Farming-Land Reform Measures and Performance – Problems of Marginal and Small Farmers - Poverty – Farmers Suicides - Gender Issues in AgriculturalServices.

(20Hours)

UNITIV	:	Technical change – Labour Absorption – Rural Labour Supply – Interlocking ofFactorMarkets–MobilityofLabourandSegmentationinLabourMarkets–Marginalisation of Rural Labour – Agricultural Wages in India – Non- Agricultural Rural Employment – Trends and Determinants.

(20Hours)

UNIT V	:	Rural Saving and Capital Formation – Characteristics and Sources of Rural Credit – Institutional and Non-Institutional – Reorganisation of Rural Credit – Impact of Loan Waivers - Co-operatives, Commercial Banks, Regional Rural Banks - Role of NABARD – International Trade in AgriculturalCommodities

(15Hours)

RECOMMENDED TEXTBOOKS:

1. R.K.Lekhi&Joginder Singh, " Agricultural Economics", Kalyani Publishers, 2017.
2. Andrew Barkley and Paul W.Barkley,Principles of Agricultural Economics, Routledge Taylor & Francis Group, 2013

REFERENCE BOOKS:
1. Andrew Barkley and Paul W.Barkley,Principles of Agricultural Economics, Routledge Taylor & Francis Group, 2013
2. John B.Penson,Jr, Oral Capps, Jr, C.ParrRosson III, Richard. T. Woodward, Introduction to Agricultural Economics, Pearsob Publications,2017.
3. Dr.B.P.Tyagi, Agricultural Economics & Rural Development, Jai Prakashnath& Co., 2017.
4. S.Subha Reddy, P.Raghu Ram, T.V.NeelakanthSastry, I. Bhavani Devi, Agricultural Economics, Oxford University Press, 2015.
5. GovernmentofIndia(Annual),ReportoftheNationalCommissionon Agriculture, NewDelhi.
6. Government of India, Economic Survey (Annual), NewDelhi.

JOURNALS

1. Journal of Agricultural Economics, Volume 101, Issue 4,2019.
2. International Journal of Agricultural Economics, Volume 4, Issue 5,2019.

E-LEARNING RESOURCES:

1. https://www.coursera.org/agriculturaleconomicsandnature

2. https://www.elearning.fao.org/agriculturaleconomics.

3. https://www.classcentral.com/agriculturaleconomics

4. https://www.britannica.com/topic/agricultural-economics/Land-output-and-yields

5. https://www.sciencedirect.com/journal/agricultural-economics

COURSE OUTCOMES:

On completion of the course the students will be able to:

CO NUMBER	CO STATEMENT
CO1	Assess the importance of Agriculture and its trends on Agricultural growth in India.
CO2	Evaluate the Cropping Patterns and its growth along with Organic Farming.
CO3	Gain in-depth knowledge about the recent Land reform measures and issues related to Marginal and Small farmers along with Gender issues in Agricultural Sector.
CO4	Appraise the Employment scenario in Agricultural sector and Non-Agricultural Sector and its determinants.
CO5	Review the employment trends in agricultural and non-agricultural sectorsand Identify the agricultural credit facilities and institutions contribution towards agricultural finance.

MAPPINGCOURSE OUTCOME WITH PROGRAMME SPECIFIC OUTCOME

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO1	2	2	2	1	2	2
CO2	1	2	2	2	3	3
CO3	3	2	2	1	2	1
CO4	2	2	2	2	3	3
CO5	2	1	1	1	2	2
AVERAGE	2	1.8	1.8	1.4	2.4	2.2

KEY:STRONGLY CORRELATED-3 MODERATELY CORRELATED-2WEAKLY CORRELATED-1 NO CORRELATION-0

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	**100**	
K2, K 3	C-2/4x20 marks	1200	40		

PROJECT

TOTAL HOURS: 90   **COURSE CODE:EC18/E3/PRJ**

CREDITS :5   **LTP: 3/2/1**

Course Objectives

- To provide an opportunity for students to apply theoretical concepts in real life situations;
- To enable students to prepare a project on any Economics related issues carry out specific goal oriented tasks

SELF STUDY PAPER I

&

SELF STUDY PAPER II

SELF STUDY PAPER I

GENDER ECONOMICS

COURSE CODE: EC18/SS/GEN **CREDITS: 2**

UNIT I	:	Nature & scope of Gender Economics – Gender statistics – Demographic Transition & Gender Impacts – Gender based Morbidity Pattern- Gender Development Index (GDI) – Gender Gap Index (GGI) – Gender Empowerment Measure.
UNIT II	:	Economic Growth – Gender bias – Global Gender Status – Feminisation of Poverty –Human Capital – Environment – Marriage & Fertility – Shramshakthi – Gender and National Planning.
UNIT III	:	Gender Labour market – Inequalities – Career – wages –skills – Training – Types of occupational segregation – Tools to measure gender segregation – models of Gender Inequality – Gender Dimension of International Trade.
UNIT IV	:	Gender & well-being – Demographic Transition – Nutrition – vulnerability – violence & conflict – Reproductive Health.
UNIT V	:	Household economics **–** contribution & Decision making – Welfare programmes – empowerment oriented programmes – Need for gender considerations in Social Security Policy.

RECOMMENDED TEXTBOOKS:

1. K.R.Gupta, "Gender Problems and Policies", Atlantic, 2009.
2. Joyce Jacobsen , "The Economics of Gender", Wiley – Blackwell Publisher 3rd Edition, 2007

REFERENCE BOOKS:

1. Harding S, " Is there a Feminist Research Method?" in feminism and methodology, Bloomington, IN Indiana University, 1987, .

2. Agarwal.V, " Bargaining of Gender Relations: Within and beyond the household", Feminist Economics, Spring, 1997.

3. Kabeer.N, " Resources , Agency, Achievements", 1999

4. ShahraRazavi, " Gendered impact of Liberalization towards embedded Liberalism?", New York, Routledge, 2009

5. Mohan Rao, " The Unheard Scream: Reproductive Health and Women's living in India" , New Delhi, 2004.

JOURNALS:

1. International Journal of Gender and Women's Studies

2. Feminist Economics

E-LEARNING RESOURCES

1. https://ourworldindata.org

2. http://gendersocietywordpress.com

3. http:// https://www.unwomen.org

4. https://www.online.colostate.edu/courses/ECON/ECON211.dot

5. https:// https://www.soas.ac.uk/courseunits/153401001.html

QUESTION PAPER PATTERN

Knowledge Level	Section	Word Limit	Marks	Total	Special Instructions if any
K 1	A-10X2 marks	50	20		Question No.- is compulsory
K1. K 2	B-5/8x8 marks	300	40	100	
K2, K 3	C-2/4x20 marks	1200	40		

SELF STUDY PAPER II

BEHAVIOURAL ECONOMICS

COURSE CODE:EC18/SS/BEH   **CREDITS:2**

UNIT I	:	Evolution of Behavioural Economics and Experimental Economics– Micro Economic concepts andBehavioural Economics -Neo-classical and behavioural approaches to studying economics
UNIT II	:	Discounting – exponential and non-exponential – present bias – self-controlproblem and commitment devices – Risk Preference – Time Preference –Dynamic inconsistency
UNIT III	:	Cognitive biases and other biases in Behavioural Economics (e. status quo bias, optimism bias, etc.) – related concepts of endowment effect and lossaversion
UNIT IV	:	Economic policies - Nudge and sludge – Heuristics & Biases - scarcity prime as a form of nudge
UNIT V	:	Behavioural Development Economics – social networks and preferences – Altruism Inequality- Aversion – Intensions- Self-deception – mental health and development economics

RECOMMENDED TEXTBOOKS:

1. Peter Diamond and HannuVartiainen (Ed) .,Behavioral Economics and its Applications,Princeton University Press,2007.
2. Nick Wilkinson ., An Introduction to Behavioral Economics, Palgrave Macmillan , 2007
3. SanjitDhami.,The Foundations of Behavioral Economic Analysis, Oxford University Press,2016

REFERENCE BOOKS:

1. Richard H. Thaler and Cass R. Sunstein ., Nudge: Improving Decisions About Health, Wealth, and Happiness, Penguin books,2009
2. Michael Lewis., The undoing project" Penguin UK,2017.
3. Christopher Chabris and Daniel Simons ., The Invisible Gorilla,Broadway Papaerbacks,2009
4. George A. Akerlofand Robert J. ShillerAnimal Spirits: How Human Psychology Drives the Economy, and Why it Matters for Global Capitalism,Princeton University Press
5. Dan Ariely., Predictably Irrational Revised, Harper, 2010, NewyorkTImes

JOURNALS:

1. International Journal of Applied Behavioral Economics (IJABE)
2. Journal of Economic Behavior & Organization
3. Journal of Economic Psychology
4. Journal of Behavioral and Experimental Economics

E-LEARNING RESOURCES:

1. http://www.behavioraleconomics.com/BEGuide2017.pdf
2. https://academic.oup.com/restud/pages/behavioural_economics
3. https://www.tutor2u.net/economics/reference/an-introduction-to-rational-decision-making
4. https://ocw.mit.edu/courses/economics/14-127-behavioral-economics-and-finance-spring- 2004/lecture-notes/
5. http://www.umass.edu/preferen/gintis/behavior.pdf