



**VIVEKANANDHA**  
**COLLEGE OF ARTS AND SCIENCES FOR WOMEN**  
**[Autonomous]**

**SPONSORED BY: ANGAMMAL EDUCATIONAL TRUST**

*An ISO 9001:2015 Certified Institution*

*Affiliated to Periyar University, Approved by AICTE and  
Re-Accredited with 'A+' Grade by NAAC*

*Recognized under Section 2(f) and 12(B) of UGC Act, 1956  
Elayampalayam-637 205, Tiruchengode, Namakkal Dt., Tamil Nadu*



**DEPARTMENT OF ECONOMICS**

**SYLLABUS – 2024-2025**



**B.A., ECONOMICS**

**COURSE PATTERN**

**(WITH EFFECT FROM 2024-2025 ONWARDS)**

**VIVEKANANDHA**  
**COLLEGE OF ARTS AND SCIENCES FOR WOMEN**  
[Autonomous]  
ELAYAMPALAYAM, TIRUCHENGODE  
**B.A., ECONOMICS UG REGULATIONS**  
(Candidates admitted from 2024-2025 onwards)

## **I. SCOPE OF THE COURSE**

B.A (Economics) is an undergraduate programme. Economics is the Evergreen Subject which has high demand at both the national and universal levels because of its utility in our day-to-day life. The economics field is very much interesting which offers a variety of subjects in it. Career options in Economics include jobs like Economist, financial risk analyst, Accountant, Investment Analyst, Financial consultant, Data Analyst, and more. The program expects a serious commitment and involvement of the student to take up challenging study schedules and assignments. The course involves a Microeconomics, Utility, Elasticity of Demand, Monopoly, Factor Pricing, Macroeconomics, Interest, Demographic Features, Agriculture and Land Development, Small Scale and Cottage Industries, the infrastructure of the Indian Economy, Macro Variables, Classical Theory of Employment, Source of Revenue, Public Finance, Bank, Money, Inflation, Deflation and Recession and so on theoretical education and practical training which run concurrently for a period of three years and equips a student with knowledge, ability, skills and other required qualities for an economist.

The uniqueness of the program is its content, topic coverage, the teaching methodology and the faculty. The syllabus has been designed at work for analytical and research skills to carry out studies regarding economic scenario of international banks like the World Bank on financial and development programmes related to economic growth. The teaching methodology includes classroom lectures, industrial visits, group discussion , case study using audio visual aids like PowerPoint presentation through LCD,OHP projector, Conferencing ,Modern methods of teaching and Research oriented education, practical and project work. Focus is also on developing the soft skills development programme for the benefit of the students.

## II. SALIENT FEATURES

- ✓ Course is specially designed for economist, analyst, consultants and so on,
- ✓ Special Guest lecturers from Industrialists, Bankers, Insurance Companies, Indian Economic Service (IES) officer, and statistician will be arranged for the benefit of the student.
- ✓ Enables students to gain a professional knowledge of an economic consultant, financial analyst and agricultural economist during their B.A (Economics) Degree,
- ✓ Project work is included in the syllabus to enhance conceptual, analytical & detective skills among the students

## III. OBJECTIVES OF THE COURSE

1. To impart knowledge in an advanced concepts and applications in various fields of economics
2. To teach the recent developments in the various areas of economics.
3. To orient the students in an applied aspect of different advance business practices.
4. To provide the students to learn new avenues introduced in professional courses and computer course.
5. To equip the students to occupy the important positions in business, industries, software companies and related organizations.
6. To inspire the students to apply the knowledge gained for the Development of society in general.

## PROGRAMME OUTCOME

<b>CHOICE BASED CREDIT SYSTEM AND LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK BASED B.A. ECONOMICS SYLLABUS</b>	
<b>Programme:</b>	<b>B.A. Economics</b>
<b>Programme Code:</b>	<b>UES</b>
<b>Duration:</b>	<b>3 Years(UG)</b>

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

- PO -1:** After completing three years of Bachelors of Arts in Economics (B.A, Economics) program, students would gain a thorough grounding in the fundamentals of economics, agricultural and Finance.
- PO -2:** The economics focused curriculum offers a number of specializations and practical exposures which would equip the student to face the modern-day challenges in trade and commerce, financial risk, society complexity and business.
- PO -3:** The all-inclusive view of the course offer a number of values based and job oriented skills ensures that students will be trained into up-to-date. In advanced economic courses beyond the introductory level, effective development will also progress to the valuing and organization levels.

### **The Medium of Instruction and Examinations:**

The medium of instruction and examinations, for the papers under part I and II shall be in the language concerned. For part III and IV the medium of instruction and examinations shall be English.

### **Evaluation of the Students:**

The evaluation of the students in a particular course is based on their performance in (i) the Continuous Internal Assessment (CIA) and (2) the End Semester Examinations. (ESE)

For each theory paper the maximum marks for Continuous Internal Assessment and End Semester Examinations are 25 and 75 respectively and for **practical paper** the corresponding marks are 40 and 60 in both U.G courses.

### **Continuous Internal Assessment (CIA):**

For theory papers two CIA tests with duration of One hour each and one Model Examination with **Three hours** duration will be conducted every semester. **For practical it is as decided by the respective Board of Studies.** CIA test and Model Examinations will be conducted as per End semester Examination pattern.

Schedule of Internal Assessment Tests and Model Examinations are decided in advance by the Principal in consultation with the Controller of Examinations and Heads of the departments and is given in the Hand book.

Every candidate is required to get prior permission (before the test model examination is conducted) from the Head of the Department and the Principal to write the test at a later date on valid reasons/ medical grounds. In the absence of such approval, the decision of the Head of Department and the Principal to arrange or not hold a separate examination for any such candidate is final.

The valued answer script of CIA tests (1&2) and Model Examination shall be given to the candidates within 5 days after completion of the tests and examination for their personal verification during the class hours and collected back with the signature. The tests marks should be submitted to the office of the Controller of the Examinations immediately after getting the signature from the students.

### **Choice Based Credit System**

Choice Based Credit System is a flexible system of learning. It allows different weightages in different courses based on the utility in the overall structure of curriculum. It permits the students to

1. Choose electives from wide range of elective courses.
2. Undergo additional courses and acquire more than the required number of credits.
3. Adopt an inter–disciplinary approach in learning.

### **Eligibility for Award of Degree**

A student is eligible for the award of the degree only if she has undergone the prescribed course of study in the college for a period of three academic years (UG) and passed the examinations of all the semesters prescribed earning 140 credits for U.G.

### **Duration**

The total period of study for programme is as below

U.G. Three years                      -                      6 semesters

The valued answer script of CIA tests (1&2) and Model Examination shall be given to the candidates within 5 days after completion of the tests and examination for their personal verification during the class hours and collected back with the signature. The tests marks should be submitted to the office of the Controller of the Examinations immediately after getting the signature from the students.

Sl. No.	Classification		UG
1.	CIA Test I & II (Average)	25 +25	5
2.	Model Examination	75	10
3.	Assignment	5	5
4.	Seminar	-	0
• Attendance			
Up-to 75per cent		0	5
76 – 80		1	
81 – 85		2	
86 - 90		3	
91 – 95		4	
96 – 100		5	
<b>Total</b>			<b>25</b>

CIA marks are calculated by the teacher concerned, entered in the register, signed by the candidates and approved by the Heads of Departments and the Principal.

The hard copy and the soft copy (through email) of the CIA marks are submitted to the office of the Controller of Examinations before the last working day of every semester.

### **End Semester Examinations**

End Semester Examinations will be conducted for both **theory** and **practical papers** at the end of each semester (in the month of November for odd semester and April – May for the even semester).

## **End Semester Examinations Schedule**

The schedule for End Semester Examinations is fixed by the Controller of Examinations in consultation with the Principal and Heads of the Departments and is displayed on the notice board and also is circulated to the staff and students through College website ([www.vicas.org](http://www.vicas.org)).

## **Attendance**

The guidelines of attendance requirement issued by the Periyar University are adopted by the college.

<b>Sl. No</b>	<b>Percentage of Attendance</b>	<b>Remarks</b>
1	Secured not less than 75per cent of attendance of the 90 working days during the semester. (67.5 days)	Students are permitted to take the End Semester Examinations of any semester
2	Secured attendance between 74per cent and 65per cent	Students can write the exam after paying the condo nation fee.
3	Secured attendance between 64per cent and 50per cent	Compensate the storage in attendance in the subsequent semester and appear for both semester papers together at the end of the latter semester with condo nation fee.
4	Secured below 50per cent attendance	Not eligible to the write the End semester examinations and she has to rejoin the same semester

## **Question Paper**

Question Papers for the End Semester Examinations theory papers are set by the external question paper setters and are scrutinized by a team of external experts in the discipline concerned.

**For End Semester Practical examinations, setting of question paper, conduct of examinations and valuations are done by both internal and external examiners.**



### **Hall Tickets and Instructions**

Hall Ticket which contains Subject code, title, Date, Session, Block name, Hall number & seat number for the End Semester Examinations will be issued to eligible students on time before the End Semester Examinations. Students must bring the Hall Ticket and the college ID card to every session of the End Semester Examinations for verification.

No student enters the Examination Hall after ½ hour from the commencement of the Examination.

Students can bring to the examination hall only ordinary scientific calculator. They can use the mathematical, statistical or any other table (if required) provided by the college during the End Semester Examinations.

Students are not allowed to bring programmable calculators / Mobile phones or any other unwanted materials inside the Exam Hall.

### **Malpractice**

Any kind of malpractice during the End Semester Examinations / Practical Examinations is strictly prohibited. If it is found she will be debarred from writing that particular paper in that semester or all the papers in that semester based on the nature of the malpractice.

A Complaint regarding the End Semester Examinations Question Papers must be brought to the Controller of Examinations on the same day of the examination by the HOD concerned or the class teacher concerned.

### **Valuation**

After giving dummy numbers the answer scripts are valued by 100per cent external examiners. The End Semester Examinations results are published in the college website within 10 – 15 days from the date of last examination and it is also put up on the notice board.

### **Revaluation and Transparency**

Provision is available for Improvement / Re-totaling / Revaluation /obtaining photo copy of the valued answer scripts for current semester papers.

Students can apply for obtaining photo copy of valued answer scripts to the Controller of Examinations through the Principal in the prescribed format along with the prescribed fee within five working days from the date of publication of results.

After scrutinizing the paper they can apply for revaluation within **three days** (after obtaining the photo copy)

If the marks scored in the revaluation are less than the original marks, original marks will be considered. If the mark scored in the revaluation is higher than the original marks the marks obtained in the revaluation shall stand.

If the difference in marks in the original valuation and the revaluation is more than 10, a third valuation will be done and the average of the nearest two marks shall be the final marks awarded.

### **PASSING MINIMUM**

There is no minimum pass marks for CIA

The minimum mark to obtain a pass in UG Programme is 40per cent in ESE and 60per cent in the aggregate of CIA+ESE.

### **Course of the Study – Credit Allocation**

#### **Part – I Tamil**

Tamil or any one of the modern or classical languages such as, Telugu, Kannada, Malayalam, Hindi, Sanskrit, French, German, Arabic or Urdu and the subject shall be offered during the first four semesters with one examination at the end of each semester (4 courses - 4X3= 12 Credits )

#### **Part – II Communicative English**

The subject shall be offered during the first four semesters with one examination at the end of each semester (4 courses - 4X3=12 Credits)

### **Part – III: Core subject.**

It is prescribed in the scheme of examination. Examination shall be conducted in the core subjects at the end of every semester. For the programmes with 6 semesters 18 core courses are offered for the programmes and each subject has 4 credits and last one 3 credits ( $17 \times 4 = 68 + 3 = 71$  credits). Other than the core subjects, Professional English is also offered by TANSICHE as co-core subjects (III-A) take part in the first, and second Semesters the examination is conducted at the end of the respective semesters having two courses 4 credit in each ( $2 \times 4 = 8$  credits).

### **PART IV (Included in Part III for grading): Allied Subjects**

It is prescribed in the scheme of Examination. For the programme offered 6 semesters, only in first four semesters have only a allied subjects and each has 4 credits and totally 16 credits ( $4 \times 4 = 16$  Credits). The examination shall be conducted at the end of the respective semesters.

### **PART V (Included in Part III for grading): Electives courses**

It is prescribed in the scheme of Examination. It is offered only in 5th and 6th Semesters. Two elective courses with 3 credit are to be offered in each and totally 6 Credits ( $2 \times 3 = 6$  Credits). Elective subjects are selected from the list of electives prescribed by the Board of Studies concerned. The examination shall be conducted at the end of the respective semesters.

### **PART VI: Skill Based Subjects Theory papers**

BA Economics shall offer two courses of skill based elective subjects. One in third semester and the second is in fourth semester. The SBECs have 2 credit each and totally 4 credits ( $2 \times 2 = 4$  Credits). The examination shall be conducted in the same at the end of the respective semesters.

### **PART VI: (A) Skill Based Subjects – Project:**

Each student admitted to the Programme of study shall take up a project work in lieu of two skill based courses in one course. The report of the study should be submitted at the end of course of study i.e. in VI Semester. It is certified by the supervisor and duly forwarded by the Head of the Department/Principal of the College. The Head of the department of the concerned

programme shall assign a project supervisor, who in turn shall assign the topic and monitor the project work of the student. For Project studied, the programme offered 6 Credits

**PART VII: Value Education:**

(a) YOGA: All the UG programmes shall offer a course in “Value Education – “Yoga” subject and it shall be offered in the first Semester. Examination shall be conducted at the end of the semester which has 2 credits.

(b) Environmental Studies: All the UG programmes shall offer a course of Environmental Studies subject and it shall be offered in the Second Semester. Examination shall be conducted at the end of the semester which has 4 credits.

**PART: VIII: Non- Major subject**

All the UG programmes shall offer a course as Non Major Subjects and it shall be offered to the other department to take classes in the third and fourth semester which as 2 credits each (2X2=4 credits)

**PART: IX: Internship Subject – Add on Course**

It is offered in 4th Semester. The Examination should take part in the same semester which has no credits

**Part X: Extension Activities**

Every student shall participate compulsorily for period of not less than two years (4 semesters) in any one of the following programmes.

- ✓ NSS
- ✓ NCC
- ✓ Sports
- ✓ YRC
- ✓ Other Extracurricular activities

The students’ performance shall be examined by the staff in charge of extension activities along with the Head of the respective department and a senior member of the Department on the following parameters. The marks shall be sent to the Controller of Examinations before the

commencement of the final semester examinations, 20 per cent of marks for Regularity of attendance, 60 per cent of marks for Active Participation in classes/camps/games/special Camps/programmes in the college/ District/ State/ University activities. 10 per cent of marks for Exemplary awards/Certificates/Prizes, 10 per cent of marks for Other Social components such as Blood Donations, Fine Arts, etc, the above activities shall be conducted outside the regular working hours of the college. The mark sheet shall carry the gradation relevant to the marks awarded to the candidates. The programme offered only one credit points (1X1=1 Credit)

**Note:** Handicapped students who are unable to participate in any of the above activities shall be required to take a test in the theoretical aspects of any one of the above fields and be graded and certified accordingly.

**CREDIT DISTRIBUTION FOR B.A. ECONOMICS**

3 – Year UG Programme in Economics (B.A., Economics )			
Credits Distribution			
		No. of Papers	Credits
<b>Part I</b>	Tamil( 3 Credits )	4	12
<b>Part II</b>	English( 3 Credits)	4	12
<b>Part III</b>	Core Courses (4 Credits)	15	60
	Elective Courses: Generic/ Discipline Specific (3Credits)	8	24
<b>Total</b>			<b>108</b>
<b>Part IV</b>	NME ( 2 Credits)	2	4
	Ability Enhancement Compulsory Courses Soft Skill( 2 Credits)	4	8
	Skill Enhancement Courses (7 courses)		13
	Entrepreneurial Skill -1 Professional Competency Skill Enhancement Course	1	2
	EVS ( 2 Credits)	1	2
	Value Education ( 2 Credits)	1	2
	<b>Part IV Credits</b>		
<b>Part V</b>	Extension Activity (NSS / NCC / Physical Education)		1
<b>Total Credits for the UG Programme in Economics</b>			<b>140</b>

# B.A ECONOMICS

## CREDIT DISTRIBUTION

First Year Semester I				
Part	Course Code	Title of the Course	Credits	Hours
Part I	23U1LT01	Tamil I	3	6
Part II	23UICE01	English I	3	4
Part III	23UIESC01	Core Paper I – Microeconomics-I	4	5
Part III	23U1ESC02	Core Paper II – Economics for Statistics- I	4	5
Part III	23U1ESE11	Elective I - Fundamentals of Management	3	4
	23U1ESE12	Elective I - Introduction to Sociology		
Part IV	23U1ESSEC01	Skill Enhancement Course SEC – 1 Demography	2	2
	23U1ESAEC01	Ability Enhancement Course (AECC 1) (Soft Skill) Quantitative Aptitude for Competitive Examination -I	2	2
	23U1ESFC01	<b>Skill Enhancement Foundation Course-</b> Business Communication	2	2

		<b>TOTAL</b>	<b>23</b>	<b>30</b>
Part I	23U2LT02	Tamil II	3	6
Part II	23U2CE02	English II	3	4
Part III	23U2ESC03	Core Paper III – Microeconomics-II	4	5
Part III	23U2ESC04	Core Paper IV- Statistics for Economics-II	4	5
Part III	23U1ESE21	Elective II - History of Economic Thought	3	4
	23U1ESE22	Elective II - Introduction to E -Commerce		
Part IV	23U2ESSECC02	Skill Enhancement Course SEC – 2 Economics for Investors	2	2
	23U2ESSECC03	Skill Enhancement Course – SEC 3 Computer Application in Economics	2	2
	23U2ESAEECC02	Ability Enhancement Course (AECC 2) (Soft Skill) Quantitative Aptitude for Competitive Examination -II	2	2
		<b>TOTAL</b>	<b>23</b>	<b>30</b>

### First Year Semester II

<b>Part</b>	<b>Course Code</b>	<b>Title of the Course</b>	<b>Credits</b>	<b>Hours</b>
Part I	23U3LT03	Tamil III	3	6
Part II	23U3CE03	English III	3	4
Part III	23U3ESC05	Core Paper V- Macroeconomics-I	4	5
Part III	23U3ESC06	Core Paper VI - Mathematics for Economics	4	5
Part IV	23U3ESE31	Elective III – Principles of Marketing	3	4
	23U3ESE32	Elective III - Economics of Tourism		
Part IV	23U3ESSECC04	Skill Enhancement Course SEC – 4 Entrepreneurial Economics	2	2
	23U3ESSECC05	<b>Skill Enhancement Course SEC 5</b> Event Management (Entrepreneurial Skills)	2	2
	23U3ESAEECC03	Ability Enhancement Course (AECC 3) (Soft Skill) Quantitative Aptitude for Competitive Examination -III	2	2
	17U3ES01	Environmental Studies	1	1



		<b>TOTAL</b>	<b>23</b>	<b>30</b>
Part I	23U4LT04	Tamil IV	<b>3</b>	<b>6</b>
Part II	23U4CE04	English IV	<b>3</b>	<b>4</b>
Part III	23U4ESC07	Core Paper VII– Macroeconomics-II	<b>4</b>	<b>5</b>
Part III	23U4ESC08	Core Paper VIII- Indian Economy	<b>4</b>	<b>5</b>
Part III	23U4ESE41	Elective IV– Research Methods in Economics	<b>3</b>	<b>3</b>
	23U4ESE42	Elective IV– Health Economics		
Part IV	23U4ESSE06	Skill Enhancement Course SEC – 6 Basic Accountancy	<b>2</b>	<b>2</b>
	23U4ESSE07	Skill Enhancement Course – SEC 7 Modern Banking and Insurance	<b>2</b>	<b>2</b>
	23U4ESAEC04	Ability Enhancement Course (AECC 4) (Soft Skill) Quantitative Aptitude for Competitive Examination -IV	<b>2</b>	<b>2</b>
	17U3ES01	Environmental Studies	<b>1</b>	<b>1</b>
		<b>TOTAL</b>	<b>24</b>	<b>30</b>
<b>First Year Semester II</b>				
<b>Part</b>	<b>Course Code</b>	<b>Title of the Course</b>	<b>Credits</b>	<b>Hours</b>
Part III	23U5ESC09	Core Paper IX – Monetary Economics	<b>4</b>	<b>5</b>
Part III	23U5ESC10	Core Paper X - Fiscal Economics	<b>4</b>	<b>5</b>
Part III	23U5ESC11	Core Paper XI – Industrial Economics	<b>4</b>	<b>5</b>
Part III	23U5ESC12	Core Paper XII – <b>Core Course / Project with Viva Voce CC- XII</b> 1. Environmental Economics( <b>OR</b> ) 2. Project (Individual)	<b>4</b>	<b>5</b>
Part III	23U5ESDSE011 23U5ESDSE012	Discipline Specific Elective 1/2 1. Tamil Nadu Economy ( <b>OR</b> ) 2. Managerial Economics	<b>3</b>	<b>4</b>
	23U5ESDSE021 23U5ESDSE022	Discipline Specific Elective 3/4 – 1. Operations Research( <b>OR</b> ) 2. Gender Economics		
Part IV	20U5VE02	Value Education	<b>2</b>	<b>2</b>
		Summer Internship / Industrial Training	<b>2</b>	<b>-</b>
		<b>TOTAL</b>	<b>26</b>	<b>30</b>

Part III	23U6ESC13	Core Paper XIII – International Economics	4	6
Part III	23U6ESC14	Core Paper XIV- Development Economics	4	6
Part III	23U6ESC15	Core Paper XV- Agricultural Economics	4	6
Part III	23U6ESDSE031 23U6ESDSE032	Discipline Specific Elective 7/8 – 1. Basic Econometrics (OR) 2. Behavioural Economics	3	5
	23U6ESDSE041 23U6ESDSE042	Discipline Specific Elective 7/8- 1. Financial Markets and Institutions(OR) 2. Urban Economics	3	5
Part IV	23U6ESGAC03	<b>Professional Competency Skill</b> General Studies for Competitive Examinations	2	2
Part V	23U6ESC13	Extension Activity	1	-
		<b>TOTAL</b>	<b>21</b>	<b>30</b>
		<b>GRANT TOTAL</b>	<b>140</b>	<b>180</b>

**TOTAL CREDITS: 23 +23 +23 +24+26+21 =140 Credits**

### FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23UIESC01	<b>MICROECONOMICS-I</b>	<b>Core -I</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To Equip the economic behaviours of individual units of the society.										
C2	To describes the consumer behaviour and utility analysis										
C3	To impart knowledge on demand and supply concepts										
C4	To identify the relevance of Production and returns to scale of Production										
C5	To know the costs and profit maximisation										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>Basic Concepts</b> Definitions of Economics– Nature and Scope of Microeconomics – Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making–Rationality: Self-Interest – Trade-offs –Fundamental Economic Problems -Market Mechanism and Resource Allocation.										15

II	<b>Utility Analysis</b> Utility–Ordinal and Cardinal Utility–Total and Marginal Utility – Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility- Indifference Curves–Properties–Marginal Rate of Substitution- Budget Line – Price and Substitution Effects-Optimal Consumer Choice – Revealed Preference Theory – Samuelson and Hicks’ Approach	18
III	<b>Demand and Supply Analysis</b> Demand – Types of Goods -Law of Demand – Determinants – Exceptions – Giffen Paradox – Veblen Effect- Elasticity of Demand: Types - Engel’s Law -Supply – Law of Supply –Determinants – Elasticity of Supply and its Types- Market Equilibrium - Consumer Surplus and Producer Surplus	15
IV	<b>Production Analysis</b> Production Function– Law of Variable Proportions- Laws of Returns to Scale-Iso-quant’s-Types of Production Function – Cobb -Douglas and Constant Elasticity of Substitution(CES) Production Function – Economies and Diseconomies of Scale	15
V	<b>Cost and Revenue Concepts</b> Costs – Fixed and Variable Costs - Average, Marginal, and Total Costs – Short Run and Long Run Costs – Implicit, Explicit, Sunk and Imputed Cost – Revenue – Total, Average and Marginal Revenue –Relationship between AR, MR and Elasticity of Demand- Profit Maximization Rule.	12
<b>Total</b>		<b>75</b>

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1.	Understand the meaning of basic concepts and the need for the study of Microeconomics.	PO1,PO2
2.	Evaluate the Types of Utility and Consumer Behaviour.	PO2,PO3
3.	Acquire knowledge on various market equilibrium, Demand and Supply Functions	PO1,PO2
4.	To understand the meaning of Production Functions	PO1
5.	To understand the theory of firms, Cost and Revenue	PO1
<b>Textbooks</b>		
1.	Robert Pindyck and Daniel L.Rubinfeld,(2001) Micro Economics, Macmillan	
2.	Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)	
3.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.	
4.	Ahuja H.L (2016) Principles of Microeconomics, S.Chand	
5.	Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12 <sup>th</sup> Media Services.	
<b>Reference Books</b>		

1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2 <sup>nd</sup> Edition.
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.
3.	Dwivedi, D.N(2002), Microeconomics: Theory and Applications, 2 <sup>nd</sup> ed., Pearson
4.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)
5.	Karl E. Case and Ray C Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia
<b>Web Resources</b>	
1.	<a href="http://www.econlib.org/library/enc/microeconomics.html">http://www.econlib.org/library/enc/microeconomics.html</a>
2.	<a href="https://www.tutor2u.net/economics">https://www.tutor2u.net/economics</a>
3.	<a href="https://www.economicnetwork.ac.uk/">https://www.economicnetwork.ac.uk/</a>
4.	<a href="https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics">https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics</a>
5.	<a href="http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf">http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf</a>

### Mapping with Programme Outcomes:

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

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

### Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2

<b>CO2</b>	3	3	2	2	2
<b>CO3</b>	3	3	3	3	3
<b>CO4</b>	3	3	3	2	2
<b>CO5</b>	3	3	3	2	2
<b>Weightage</b>	15	15	14	11	11
<b>Weighted percentage of Course Contribution to PSOs</b>	3	3	2.8	2.2	2.2

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

**FIRST YEAR –SEMESTER- I**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	Externa	Total
23U1ESC02	<b>STATISTICS FOR ECONOMICS –I</b>	<b>Core-II</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To know the nature and scope of statistics and its applications										
C2	To teach students Collection, Classification, Analyzing and Presentation of data.										
C3	To apply the measures of central tendency										
C4	To draw measurement of dispersion and its applications										
C5	To analyse correlation and regression and its applications										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>Introduction and Collection of Data</b>										15

	Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data –Tools for collecting Primary Data – Requisites of Good Questionnaire – Sources of Secondary Data.	
II	<b>Classification and Presentation of Data</b> Classification and Tabulation of Data– Types - Frequency Distribution — Cumulative Frequency Distribution- Class Interval – Diagrams – Types- Graphical Representation– Histogram – Frequency Polygon - Ogive Curve - Lorenz Curve.	15
III	<b>Measures of Central Tendency</b> Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits.	15
IV	<b>Measures of Dispersion</b> Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation -- Skewness and Kurtosis.	15
V	<b>Correlation and Regression</b> Correlation – Types of Correlation – Methods -Karl Pearson’s Co-efficient of Correlation -- Spearman’s Rank Correlation – Regression Equations – Distinction between Correlation and Regression Analysis.	15
	<b>Total</b>	<b>75</b>

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the overview of statistics and basic knowledge of statistical tools.	PO1, PO3,PO8
2	Differentiate Types of Data and its Classification	PO1,PO2, PO3,PO8
3	Explain the concept of Averages and its application	PO1, PO2,PO3
4	Know the concept of Dispersion and its application	PO1, PO2,PO3
5	Calculate Correlation and estimate values using Regression	PO3,PO7,PO8
<b>Textbooks</b>		
1	Gupta. S.P (2005) Statistical Methods, Sultan Chand and Sons, New Delhi.	
2	Sancheti. D.C and Kapoor V.K(2005) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi.	

3	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.
4	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.
5	Dominick Salvatore and Derrick Reagle,theory and problems of statistics and econometrics, Mc Graw Hill, (2002)
<b>Reference Books</b>	
1.	Saxena H.C , (2016) Elementary Statistics, S Chand and Company New Delhi.
2.	Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi
3.	Manoharan M (2010), “Statistical Methods”, Palani Paramount Publications, Palani.
4.	R.S.N.Pillai and V. Bagavathi(2010), Statistics, Sultan Chand and Sons, New Delhi
5.	Dr.S.Sachdeva ( 2014) Statistics -Lakshmi Narain Agarwal.
<b>Web Resources</b>	
1.	<a href="https://www.cuemath.com/data/statistics/">https://www.cuemath.com/data/statistics/</a>
2.	<a href="https://stattrek.com/statistics/resources">https://stattrek.com/statistics/resources</a>
3.	<a href="https://testbook.com/learn/maths-mean-median-mode/">https://testbook.com/learn/maths-mean-median-mode/</a>
4.	<a href="https://www.statistics.com/">https://www.statistics.com/</a>
5.	<a href="https://thisisstatistics.org/students/">https://thisisstatistics.org/students/</a>

### Mapping with Programme Outcomes:

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

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

### Level of Correlation between PSO's and CO's

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

**Strong-3    M-Medium-2    L-Low-1**



**FIRST YEAR –SEMESTER- I**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U1ESE1A	<b>Fundamentals of Management</b>	<b>Generic Elective-I</b>					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To provide students with the basic concepts of Management.										
C2	To probe the planning concepts and its objectives										
C3	To analyze the Organizational Levels in an Organization										
C4	To describes the motivation and satisfaction and its elements										
C5	To know the importance of Quality Checks.										
UNIT	Contents										No. of Hours
I	<b>Introduction</b> Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager										15
II	<b>Planning</b> Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making.										15
III	<b>Organisational Levels</b> Types of Business Organizations – Structure- Span of Control – Departmentalisation-Selection, Training and Development, Performance Management, Career Planning ,and Management										15
IV	<b>Directing</b> Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity.										15
V	<b>Controlling</b> Process of Controlling – Types of Control – Budgetary and non-budgetary, Control Techniques – Managing Productivity – Cost Control – Purchase Control –Maintenance Control – Quality Control – Planning Operations.										15
	<b>Total</b>										<b>75</b>

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the foundations and importance of Management.	PO1
2	Demonstrate an understanding of Planning	PO2,PO3
3	Analyze the organisational levels and Process of selection	PO1,PO2,PO3
4	Discuss the relevance of Organizational Culture	PO1,PO2,
5	Examine the importance of quality control	PO4

Textbooks	
1.	Stephen A. Robbins & David A. Decenzo & Mary Coulter,(2011) “Fundamentals of Management” 7th Edition, Pearson Education
2.	Tripathy PC & Reddy PN,(1999) “Principles of Management”, Tata McGraw Hill.
3.	Pillai R.S.N and Kala .S (2013) Principles And Practice Of Management S.Chand& Co andCompany.
4.	Ricky Griffin, “Fundamentals of Management”, Cengage Learning, (2016)
5.	Pardeep Kumar and Amanjot Sachdeva, “Fundamentals of Management”,S. Chand Publishing, (2012)
Reference Books	
1.	Dr. C.B. Gupta and Dr. Shruti Mathur (2022) Management Principles andApplications ,Scholar Tech Press
2.	Neeru Vasisth and Vibhuti Vasishth(2019)Principles of Management Text & Cases ,Taxman Publication
3	R.C Bhatiya, “Fundamentals of Management”, S.K Kataria & Sons, 2013
4	L.M Prasad, “Principles and Practice of Management,2021
5	Dr.N.Mishra and Dr.O.P.Gupta, “Fundamentals of Management”, SBPD Publishing House, 2022
Web Resources	
1.	<a href="http://www.mim.ac.mw/books/Fundamentals%20of%20Management.pdf">http://www.mim.ac.mw/books/Fundamentals%20of%20Management.pdf</a>
2.	<a href="https://theintactone.com/2019/09/18/fom-u1-topic-1-fundamentals-of-management-introduction-and-concepts/">https://theintactone.com/2019/09/18/fom-u1-topic-1-fundamentals-of-management-introduction-and-concepts/</a>
3.	<a href="https://rccmindore.com/wp-content/uploads/2015/06/Fundamentals-of-Management.pdf">https://rccmindore.com/wp-content/uploads/2015/06/Fundamentals-of-Management.pdf</a>
4.	<a href="https://in.sagepub.com/en-in/sas/journal-of-management/journal201724">https://in.sagepub.com/en-in/sas/journal-of-management/journal201724</a>
5.	<a href="https://www.managementstudyhq.com/evolution-management-thought-theories.html">https://www.managementstudyhq.com/evolution-management-thought-theories.html</a>

**Mapping with Programme Outcomes:**

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

**S-Strong-3 M-Medium-2 L-Low-1****Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR –SEMESTER- I**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U1ESE1B	<b>INTRODUCTION TO SOCIOLOGY</b>	<b>Generic Elective-I</b>					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To understand the nature and scope of sociology and its development										
C2	To identify the origin and development of sociology and its basic concepts										
C3	To evaluate stages and agencies of socialization										
C4	To understand social stratification and its determinants										
C5	To know the social change, evolution and revolution										

UNIT	Contents	No. of Hours
I	<b>Introduction</b> Definition – Nature and Scope of Sociology –Origins and development of Sociology – Founding fathers and their contributions: Auguste Comte, Herbert Spencer, Karl Marx, Emile Durkheim and Max Weber –Sociology and other social sciences	15
II	<b>Basic Concepts of Sociology</b> Society, Community, Institutions, Association, Social Structure, Status – Role, Norms, and Values; Folkways and Mores, Associative and Dissociative processes – Cooperation- Assimilation-Accommodation- Competition and Conflict	15
III	<b>Individual and Society</b> Individual and Society- Socialization- Stages and Agencies of Socialization- Types of Groups – Primary and Secondary Groups, In-Group and Out-group, Reference Group.	15
IV	<b>Social Stratification</b> Social Stratification: Meaning, Definition and Dimensions –Social mobility and its determinants.	15
V	<b>Social Change</b> Meaning and Types: Evolution and Revolution, Progress and Development — Factors of Social Change-Culture and Civilization	15
	<b>Total</b>	<b>75</b>

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the contributions of sociologists in the field of sociology	PO1,PO2
2	Understand the basic aspects of Sociology	PO1,PO2
3	Examine the impact of individuals, groups and society	PO1, PO5,PO7
4	Understand the dimensions of social stratification	PO2,PO7
5	Analyze and design Policy for social change	PO2,PO3,PO7
<b>Textbooks</b>		
1	Bottomore, T.B. (1972). Sociology: A guide to problems and literature. Bombay.	
2	Jayaram, N. (1988). Introductory sociology. Madras: Macmillan India.	
3	Sachdeva Vidya Bhushan D.R(2020) An Introduction to Sociology, Kitab Mahal	
4.	John.J.Macionis, "Sociology", Pearson, 17 <sup>th</sup> edition, 2018	
5.	C.N Shankar Rao, "Sociology: Principles of Sociology with an Introduction to Sociology Thought", S.Chand Publication, 2019	
<b>Reference Books</b>		
1.	George Allen and Unwin (India). Harlambos, M. (1998). Sociology: Themes and perspectives. New Delhi: Oxford University Press.	
2.	Inkeles, Alex. (1987). What is sociology? New Delhi: Prentice-Hall of India.	
3.	Johnson, Harry M. (1995). Sociology: A systematic introduction. New Delhi: Allied Publishers.	
4.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.	
5.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York	
<b>Web Resources</b>		
1.	<a href="https://data.worldbank.org/indicator/SP.POP.TOTL">https://data.worldbank.org/indicator/SP.POP.TOTL</a>	
2.	<a href="https://www.iom.int/">https://www.iom.int/</a>	
3.	<a href="https://libguides.humdolt.edu">https://libguides.humdolt.edu</a>	
4.	<a href="https://openstax.org/books/introduction-sociology-3e/">https://openstax.org/books/introduction-sociology-3e/</a>	
5.	<a href="https://www.sociologygroup.com/important-books-free-notes-sociology-optional/">https://www.sociologygroup.com/important-books-free-notes-sociology-optional/</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR –SEMESTER- I**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U1ESSEC01	<b>DEMOGRAPHY</b>	<b>SEC-I</b>					2	75	25	75	100
<b>Learning Objectives</b>											
C1	To understand the meaning and scope of demography										
C2	To discuss the basic concepts of demographic measurements.										
C3	To describes the concepts of urbanisation and migration										
C4	To evaluate the international aspects of population growth and tis environment										
C5	To analyse the trends in population policy in India										
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>	
I	<b>Introduction</b> Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.									15	
II	<b>Birth Rate, Death Rate and Fertility</b> Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India – Temporal and Spatial Variation in Sex Ratios – Crude Birth and Death Rate- Age Specific Birth and Death Rates – Standardized Birth and Death Rates –Fertility – Total Fertility Rate – Gross Reproduction Rate – Net Reproduction Rate									16	
III	<b>Migration and Urbanisation</b> Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.									14	
IV	<b>Population Trends</b> Population Trends– International Aspects of Population Growth and Distribution – Population and Environment Pattern of Age and Sex Structure in Developed and Developing Countries – Age Pyramids and Projections.									15	
V	<b>Population Policy in India</b> Population Policy in India and its Evaluation – Population and Strategies for Human Development of Different Social Groups – National Population Commission – Demographic Dividend – National Youth Policy.									15	
	<b>Total</b>									<b>75</b>	

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Describe the various theories of Population Growth	PO1, PO7
2	Understand Demographic Indicators	PO2, PO3
3	Assess the causes and impact of Migration on rural-urban population distribution	PO2,PO7
4	Analyse the major demographic trends and their determinants	PO1,PO2
5	Evaluate Population Policy of India and analyse recent trends.	PO1,PO2,PO3
<b>Textbooks</b>		
1	Jhingan, M. L, B.K. Bhatt, J.N. Desan (2003) Demography, Vrinda Publications, New Delhi	
2	Rajendra K. Sharma (2007), Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd.	
3.	Jennifer Hickes Lundquist, Douglas L. Anderton and David Yaukey, “Demography: The Study of Human Population”, Waveland Press Inc, 2015	
4.	Dudley L. Poston, Jr. and Leon F. Bouvier, “Population and Society: An Introduction to Demography”, Cambridge University Press, 2015	
5.	Richard.K Thomas, “Concepts, Methods and Practical Applications in Applied Demography”, Springer,2018	
<b>Reference Books</b>		
1.	Agarwala S.N. (1985), India’s Population Problem, Tata McGraw-Hill, Bombay.	
2.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.	
3.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York	
4.	Sarah Harper (2018), Demography: A Very Short Introduction, Oxford Press 2018.	
5.	Peter R. Cox, Demography- 5 <sup>th</sup> Edition, Cambridge University Press.	
<b>Web Resources</b>		
1.	<a href="https://data.worldbank.org/indicator/SP.POP.TOTL">https://data.worldbank.org/indicator/SP.POP.TOTL</a>	
2.	<a href="https://www.iom.int/">https://www.iom.int/</a>	
3.	<a href="https://censusindia.gov.in">https://censusindia.gov.in</a>	
4.	<a href="https://www.nationalgeographic.org/encyclopedia/demography/">https://www.nationalgeographic.org/encyclopedia/demography/</a>	
5.	<a href="https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/">https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/</a>	



**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR-SEMESTER - I - SKILL ENHANCEMENT FOUNDATION COURSE**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U1ESFC01	<b>BUSINESS COMMUNICATION</b>	Skill Enhancement Foundation					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To know the meaning objectives and role of communication and media										
C2	To understand the need and importance of communication in management										
C3	To apply the need and function of business letter										
C4	To study the business correspondents with insurance and other organisation										
C5	To understand the meaning and importance of report writing										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>Communication</b> Communication: Meaning and Definition - Objectives - Role of Communication – Process and Elements of Communication - Communication Networks - Types and Media of Communication – Barriers to Communication - Characteristics for Successful Communication										15
II	<b>Communication in Management</b> Management and Communication: Need and Importance of Communication in Management – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization.										15
III	<b>Business Letters</b> Business Letter: Need – Functions – Kinds – Essentials of effective Business Letter - Language and Layout – Planning, Enquiries and Replies - Sales Letter - Orders, Tender and Notice - Complaints - Letter of Appointment.										18
IV	<b>Correspondence</b> Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence										15
V	<b>Report Writing</b> Report Writing: Meaning and Importance - Purpose - Types of Business Reports - Characteristics of a Good Report - Report Preparation - Report by Individual and Committees - Agenda and Minutes of Meeting.										12
<b>Total</b>										<b>75</b>	

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1.	Understand the basics of communication and its Process, Elements, and its importance.	PO1,PO2
2.	Acquire communication skills.	PO1,PO4
3.	Employ the art of report preparation and writing Business Letters	PO2,PO6
4.	Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern.	PO5,PO6, PO8
5.	Employ the art of report preparation	PO4,PO6,PO7
<b>Textbooks</b>		
1.	Korlahalli, J. S., & Pal, R. (1979) Essentials of Business Communication. S. Chand, New Delhi.	
2.	Kaul A, ( 2015 ) Effective Business Communication. Second Edition Prentice Hall India Learning Private Limited.	
3.	Raymond Lesikar and John Pettit, Jr.(2016) Report Writing for Business Mc Graw Hill Education	
4.	Scott Mclean,"Business Communication for Success", Flat World Knowledge, 2010	
5.	Virander K. Jain, "Business Communication", S. Chand Limited, 2008	
<b>Reference Books</b>		
1.	Kumar, R. (2010). Basic Business Communication. Excel Books India.	
2.	Bovee, C. L. (2008). Business Communication today. Pearson Education India.	
3.	Lesikar, R. V., & Pettit, J. D. (1989). Business communication: Theory and application. Irwin Professional Publishing.	
4.	Mary Ellen Guffy and Dana Loewy (2012) Essentials of Business Communication Cengage Learning	
5.	C.B.Gupta (2019) Essentials of Business Communication Cengage Learning India Pvt. Ltd	
<b>Web Resources</b>		
1.	<a href="https://www.managementstudyguide.com/business_communication.htm">https://www.managementstudyguide.com/business_communication.htm</a>	
2.	<a href="https://studiousguy.com/business-communication/">https://studiousguy.com/business-communication/</a>	
3.	<a href="https://www.indeed.com/career-advice/resumes-cover-letters/business-communication-skills">https://www.indeed.com/career-advice/resumes-cover-letters/business-communication-skills</a>	
4.	<a href="https://www.softskillsaha.com/what-is-meaning-of-business-communication-skills.php">https://www.softskillsaha.com/what-is-meaning-of-business-communication-skills.php</a>	
5.	<a href="https://www.mindtools.com/page8.html">https://www.mindtools.com/page8.html</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR - SEMESTER II**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U2ESC03	<b>MICROECONOMICS-II</b>	<b>Core -III</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To equip the students to gain knowledge on the market structures										
C2	To analyse the monopoly and price discrimination in the market										
C3	To probe the monopolistic and oligopoly competitions and its operation										
C4	To enrich the students about the Theories of Distribution										
C5	To understand the concepts of Welfare Economics										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>Perfect Competition</b> Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition- Time Element Analysis.										14
II	<b>Monopoly and Price Discrimination</b> Definition of Monopoly–Demand and Marginal Revenue - Equilibrium under Monopoly– Dead Weight Loss -Policies to Control Monopoly – Price Discrimination–First Degree, Second Degree and Third-Degree Price Discrimination – Dumping.										15
III	<b>Monopolistic and Oligopoly Competition</b> Monopolistic Competition–Features– Product Differentiation–Market Equilibrium and Short Run and Long Run- Barriers to Entry – Group and Industry Equilibrium– Excess Capacity -Oligopoly – Kinked Demand Curve – Collusion – Cartels and Price Leadership –Game Theory – Minimax – Maximin – Nash Equilibrium.										16
IV	<b>Distribution Theory</b> Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.										14
V	<b>Welfare Economics and General Equilibrium</b> Welfare Criteria – Adam Smith – Edgeworth – Pareto - Kaldor – Market Failure – Externalities – Walrasian General Equilibrium – Static Properties for Consumption, Production, and Distribution.										16
	<b>Total</b>										<b>75</b>

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Understand the equilibrium conditions in Perfect Competition.	PO1, PO2
2	Analyze the equilibrium conditions under Monopoly Market Structure.	PO1,PO2
3	Describe the Market Equilibrium under Monopolistic and Oligopoly Market.	PO1,PO2
4	Know the importance of theories of Distribution.	PO1,PO2
5	Evaluate the aspects of Welfare Economics and General Equilibrium.	PO2,PO3,PO7
<b>Textbooks</b>		
1.	Robert Pindyck and Daniel L.Rubinfeld,(2001) Micro Economics,Macmillan.	
2.	Hal R. Varian (2004), Intermediate Micro Economics East-West Press: New Delhi.	
3.	Walter Nicholson and Christopher Snyder, Micro Economic Theory - Basic Principles and Extensions, Cengage Learning India Pvt, Ltd, 12th Edition, 2016.	
4.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.	
5.	Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12 <sup>th</sup> Media Services.	
<b>Reference Books</b>		
1.	Koutsoyiannis (2003), Modern Microeconomics, Palgrave Macmillan (UK) 2 <sup>nd</sup> Edition.	
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.	
3.	Case & Fair, Principles of Economics Myeconlab series 8 <sup>th</sup> Edn.	
4.	Mansfield, Edwin and Yohe, Gary (2010): Microeconomics 4 <sup>th</sup> ed, Viva-Norton Indian Edition	
5.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)	
<b>Web Resources</b>		
1.	<a href="https://open.umn.edu/opentextbooks/subjects/economics">https://open.umn.edu/opentextbooks/subjects/economics</a>	
2.	<a href="https://global.oup.com">https://global.oup.com</a>	
3.	<a href="https://www.economicsnetwork.ac.uk">https://www.economicsnetwork.ac.uk</a>	
4.	<a href="https://edge.sagepub.com/sextonmicro8e">https://edge.sagepub.com/sextonmicro8e</a>	
5.	<a href="https://www.aeaweb.org/resources/students">https://www.aeaweb.org/resources/students</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

**Strong-3    M-Medium-2    L-Low-1**

**FIRST YEAR - SEMESTER II**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U2ESC04	<b>STATISTICS FOR ECONOMICS-II</b>	<b>Core-IV</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To understand the various methods of index numbers and its applications										
C2	To analyse the components and measurement of time series data										
C3	To know the theories of probability and its applications										
C4	To probe the research design and sampling methods										
C5	To acquire knowledge on the application of test of Hypotheses in Research										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>Index Numbers</b> Index Numbers – Methods – Unweighted and Weighted Index Numbers – Aggregate and Relative Index Numbers – Chain and Fixed based Index Numbers – Test of Adequacy of Index Numbers – Wholesale Price Index – Consumer Price Index – Cost of Living Index.										15
II	<b>Time Series Analysis</b> Definition– Components and Measurement– Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares – Uses of Time Series Analysis.										15
III	<b>Theory of Probability</b> key Concepts of Probability – Importance – Theorems of Probability: Addition, Multiplication and Bayes’ Theorem - Discrete and Continuous Random Variables – Theoretical Distributions – Binomial, Poisson and Normal – Properties- Uses and Applications.										15
IV	<b>Sampling</b> Sampling – Census and Sample Method – Theoretical Basis of Sampling – Methods of sampling – Random and Non –Random Sampling - Size of Sample – Merits and Limitations of Sampling – Sampling and Non-Sampling Errors.										15
V	<b>Testing of Hypothesis</b> Hypothesis Testing – Meaning, Types, Sources and Functions of Hypothesis – Test: Null and Alternative Hypothesis – Type – I and Type – II Errors– ‘t’ Test – Paired ‘t’-test – Chi –Square test, ‘F’ test – Analysis of Variance - One way and Two-way ANOVA.										15
	<b>Total</b>										<b>75 hours</b>



<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Gain Knowledge on the Index Numbers	PO1, PO2, PO3
2	Analyze the importance of Time Series Data and its measurement	PO1, PO2, PO3
3	Understand the concept of Probability	PO2
4	Identify the various Sampling Methods	PO1, PO2
5	Acquire Knowledge on Hypothesis Testing	PO2, PO3, PO7, PO8
<b>Textbooks</b>		
1	S.P Gupta, (2017) “Statistical Methods”, Sultan Chand & Sons.	
2	Anderson, Sweeney and Williams(2012), “Statistics for Business and Economics Cengage, 2012.	
3	Pillai R.S.N. & Bagavathi V (2012) “Statistics : Theory and Practice” S.Chand & Company Ltd. New Delhi.	
4.	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.	
5.	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.	
<b>Reference Books</b>		
1.	Anderson, David Ray, “Statistics for Business and Economics”, South-Western Pub, 2001.	
2.	Sancheti and Kapoor, Statistics, (2015) Sultan & Sons New Delhi.	
3.	Gupta S.C. Statistical Methods (2015) Sultan & sons New Delhi.	
4.	Monga G.S. “Mathematics and Statistics for Economics” (2001), Vikas Publishing House Pvt.Ltd New Delhi.	
5.	Dominick Salvatore and Derrick Reagle, theory and problems of statistics and econometrics, Mc Graw Hill, (2002)	
<b>Web Resources</b>		
1.	<a href="https://stattrek.com/statistics/resources">https://stattrek.com/statistics/resources</a>	
2.	<a href="https://www.cuemath.com/data/f-test/">https://www.cuemath.com/data/f-test/</a>	
3.	<a href="https://www.statistics.com/">https://www.statistics.com/</a>	
4.	<a href="https://thisisstatistics.org/students/">https://thisisstatistics.org/students/</a>	
5.	<a href="https://oli.cmu.edu/courses/probability-statistics-open-free/">https://oli.cmu.edu/courses/probability-statistics-open-free/</a>	

**Mapping with Programme Outcomes:**

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

**S-Strong-3      M-Medium-2    L-Low-1**  
**Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR - SEMESTER II**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23UIESE21	<b>HISTORY OF ECONOMIC THOUGHT</b>	<b>Generic Elective-II</b>					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To explain the nature and scope of economic thought and its principles										
C2	To understand the classical economists ideology and theory of Marx										
C3	To know the Kenesian revolution and its analysis										
C4	To build the Marginalism Revolution and its operations										
C5	To describes the thoughts of various Nobel laureates in economics										
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>	
I	<b>Pre-Classical Thought</b> Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important Mercantilists- Physiocracy - Main concepts - Important Physiocrats									18	
II	<b>Classical Economists and Karl Marx</b> Adam Smith- Division of Labour- Theory of Value- Laissez Faire- Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage Theory of Trade- Malthus-Theory of Population – Theory of Gluts –Karl Marx-Theory of Surplus Value -Breakdown of the Capitalist System									15	
III	<b>Neo-Classical and Institutional Thought</b> The Marginalist Revolution- Marshall: Value and Role of Time – Marginal Utility and Consumer’s Surplus – Distribution – Marshallian Concepts – Representative Firm, Economies of Scale, Quasi-Rent- Institutional Economics – Veblen – Mitchell – J.R.Commons.									15	
IV	<b>Keynesian Revolution and Modern Thought</b> Keynes – Psychological law of Consumption- Effective Demand-Theory of Employment-- Schumpeter’s Theory of Innovation - Hicks theory of Trade Cycle- New Keynesian Economics- New classical Economics – Rational Expectation Hypothesis.									12	
V	<b>Nobel Laureates in Economics and Indian Economic Thought</b> Nobel Laureates in Economics – Paul A Samuelson – Kuznets – Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three Years)- Indian Economic Thought – DadabhaiNaoroji- Mahatma Gandhi-B.R. Ambedkar – Amartya Sen – Sen’s Capability Approach – Poverty and Inequality.									15	
<b>Total</b>									<b>75</b>		

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Acquire knowledge on the subject matter of History of Economic Thought.	PO1
2	Understand the contributions of the Classical Ideas of Economics.	PO1,PO2
3	Describe Neo Classical and Institutional Economic Ideas	PO1,PO2
4	Examine the Keynesian School and Modern Economic Ideas	PO1,PO2
5	Understand the contribution of Nobel Laureates and Indian Economic Ideas	PO1,PO2,PO8
<b>Textbooks</b>		
1	Lokanathan, V, History of Economic Thought, S Chand & Co Ltd.	
2	Bhatia, H.L. (2018), History of Economic Thought, S Chand & Co Ltd.	
3	SrivastavaS.K (2002) History of Economic Thought, S.Chand Publication.	
4	M.L Jhingan ,M.Girija , L.Sasikala “History of Economic Thought” 3rd Edition, Virnda Publication 2014.	
5	R.R.Paul “History of Economic Thought” ,Kalyani Publisher,2018.	
<b>Reference Books</b>		
1.	Amartya Sen (1982), Welfare and Measurement, Oxford University Press, New Delhi.	
2.	Gandhi, M.K. (1938), Economics of Village Industries, Navjivan Publishers, New Delhi.	
3.	T.N.Hajela, (2015), History of Economic Thought Ane Students Edition 18 <sup>th</sup> Edition.	
4.	Gide and Rist,(2014) , A History of Economic Doctrines, Nabu Press.	
5.	V.Lokanathan (2009) “A History of Economic Thought: S.Chand& Co Limited.	
<b>Web Resources</b>		
1.	<a href="https://www.hetwebsite.net/het/">https://www.hetwebsite.net/het/</a>	
2.	<a href="https://thoughteconomics.com/">https://thoughteconomics.com/</a>	
3.	<a href="https://www.nobelprize/economic-sciences/">https://www.nobelprize/economic-sciences/</a>	
4.	<a href="https://www.aeaweb.org/resources/students">https://www.aeaweb.org/resources/students</a>	
5.	<a href="https://sites.google.com/site/maeconomicsku/home">https://sites.google.com/site/maeconomicsku/home</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR - SEMESTER II**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U1ESE22	<b>INTRODUCTION TO E COMMERCE</b>	<b>Generic Elective -II</b>					2	2	25	75	100
<b>Learning Objectives</b>											
C1	To learn the nature and concepts of E-commerce in India										
C2	To understand the various business models for E-Commerce and its uses										
C3	To analyse the Various on line business transactions and its applications										
C4	To explain the E-Promotion and consumer protection and its latest amendments										
C5	To update the students on various methods of E-payment systems and tis risks.										
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>	
I	<b>Introduction</b> Meaning – Nature – Concepts – advantages and disadvantages – online Transaction - Types of E-Commerce - Growth of E-Commerce in India.									12	
II	<b>Business Models for E-commerce</b> E-commerce Models - Business-to-Business (B2B) – Business– to-Consumer (B2C) - Consumer-to-Consumer (C2C) - Consumer-to-Business (C2B) - Direct to Customer (D2C) – Peer-to-Peer (P2P) - Brokerage Model - Aggregator Model.									15	
III	<b>Online Business Transactions</b> E-Commerce Applications in Various Industries- Banking, Insurance, Payment Of Utility Bills - Online Marketing /E-Tailing (Popularity, Benefits, Problems and Features) -Online Services (Financial, Travel and Career) /Auctions, Online Portal, Online Learning - Publishing and Entertainment - Online Shopping									15	
IV	<b>E-Promotion and Consumer Protection</b> E-Advertising techniques: Banners, Sponsorships, Portals, and online coupons-Role of Influencers in Social Media- Marketing-Porters Value Chain Model-E- Commerce and consumers-Consumer Protection (E-Commerce) Rules 2020 and Latest Amendments									18	
V	<b>E- Payment System</b> Models and Methods of e–Payments (Debit Card, Credit Card, Smart Cards, e-money) - Digital Signatures (procedure, working and legal position) - Payment Gateways - Online Banking: Meaning, Concepts, Importance, Electronic Fund Transfer - Automated Clearing House - Automated Ledger posting - Risks involved in e-payments.									15	
	<b>Total</b>									<b>75</b>	

Course Outcomes		Programme Outcomes
CO		
1	Understand the pros & cons of E-commerce.	PO1,PO2
2	Analyze the various models of E-commerce.	PO1,PO2
3	Understand the online business transaction and their impact on related service providers.	PO2,PO3
4	Understand the e-marketing mix and be familiar with consumer protection.	PO3,PO4
5	Know the mechanism of E- payment and its operations.	,PO2,PO3,PO8
<b>Textbooks</b>		
1	Bajaj K.K and Debjani Nag ( 2017 ), E-commerce, McGraw Hill Educatio	
2	Chhabra T.N , Suri and Sanjiv Varma ( 2005) E-Commerce, Dhanpat Rai & Co	
3	Dr.K. Abirami Devi and Dr.M. Alagammal, “E- Commerce”, Margaham Publication,	
4	Amir Manzoor, “E- Commerce: An Introduction”, Lambert Academic Pubishing,2010	
5	Dr. Shivani Arora, “E-Commerce”, Taxmann Publishing, 2017	
<b>Reference Books</b>		
1.	Pandey ( 2013 ) Ecommerce and its Applications , S.K. Kataria& Sons	
2.	Kenneth C. Laudon and Carlo Guercio Traver(2020 ) , E-Commerce, Pearson Education.	
3.	Pralok Gupta (2020) E-commerce in India: Economic and Legal Perspectives, SAGE Publications India Pvt Ltd	
4.	David Whitley (2017) E - Commerce: Strategy, Technologies and Applications,	
5.	Joseph P.T ., S.J (2019) “E-Commerce : An Indian Perspective” PHI Learning Pvt. Ltd.	
<b>Web Resources</b>		
1.	<a href="https://ecommerce-platforms.com/resources">https://ecommerce-platforms.com/resources</a>	
2.	<a href="https://ecommerceguide.com">https://ecommerceguide.com</a>	
3.	<a href="https://www.bigcommerce.com/resources/">https://www.bigcommerce.com/resources/</a>	
4.	<a href="https://www.cloudways.com/blog/top-ecommerce-websites/">https://www.cloudways.com/blog/top-ecommerce-websites/</a>	
5.	<a href="https://www.indiafilings.com/learn/how-to-start-an-ecommerce-business-in-india/">https://www.indiafilings.com/learn/how-to-start-an-ecommerce-business-in-india/</a>	

### Mapping with Programme Outcomes:

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

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

**Level of Correlation between PSO's and CO's**

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

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

**FIRST YEAR - SEMESTER II**



Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U2ESSEC02	<b>ECONOMICS FOR INVESTORS</b>	SEC-2					2	2	25	75	100
<b>Learning Objectives</b>											
C1	To understand concepts of saving and investments										
C2	To probe the various investment avenue and its practice applications										
C3	To enables various investment markers and its features										
C4	To Know the economic fundamentals and the Business Environment										
C5	To understand various investment methods and its strategies										

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

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the types and importance of savings and investments.	PO1
2	Explain the available for investment avenues	PO2
3	Understand the operations of different types of investment markets.	PO1,PO2
4	Evaluate the economic fundamentals and information.	PO1,PO3
5	Construct objective enabling investment plans, strategy, evaluate and restructure if required.	PO2,PO3,PO4
<b>Textbooks</b>		
1	Ken McElroy, (2004) The ABCs of Real Estate Investing, Hachette Book Group USA	
2	Esme Faerber (2013), All about Stocks ,TataMGraw Hill, New Delhi	
3	Christopher D. Piros, Jerald E. Pinto(2013), “Economics for Investment Decision Makers:Micro, Macro, and International Economics, Workbook”, Wiley, 2013	
4.	John Calverley, “The Investor's Guide to Economic Fundamentals”, Wiley, 2003	
5	Howards Marks, Mastering The Market Cycle:Getting the Odds on Your Side”, John Murray Press, 2018	

Reference Books	
1.	Robert T. Kyosaki,(2014) Guide To Investing Business Plus ISBN: 9780446589161
2.	BenjaminGraham(1949), The Intelligent Investor, Harper&Brothers
3.	Mary Buffett and David Clark(2002), The New Buffettology (Simon and Schuster)
4.	John C Bogle(2017) The Little Book of Common Sense Investing:The Only Way to Guarantee Your Fair Share of Stock Market Returns, Wiley Publications
5.	William J. O’ Neil (2009) How to Make Money in Stocks: A Winning System in Good Times and Bad, Fourth Edition McGraw Hill Education
<b>Web Resources</b>	
1.	<a href="https://www.capitalmarket.com/">https://www.capitalmarket.com/</a>
2.	<a href="https://www.icmagroup.org/">https://www.icmagroup.org/</a>
3.	<a href="https://www.nseindia.com">https://www.nseindia.com</a>
4.	<a href="https://www.stockbrokers.com/guides/beginner-investors">https://www.stockbrokers.com/guides/beginner-investors</a>
5.	<a href="https://www.nasdaq.com/articles/10-best-stock-trading-websites-for-beginners">https://www.nasdaq.com/articles/10-best-stock-trading-websites-for-beginners</a>

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

## FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks			
									CIA	External	Total	
23U2ESSEC03	<b>COMPUTER APPLICATIONS IN ECONOMICS</b>	<b>SEC-3</b>					2	2	25	75	100	
<b>Learning Objectives</b>												
C1	To know the basic concepts of Computer Applications											
C2	To apply the MS office and its basic operations											
C3	To describes the data processing techniques using various MS office operations											
C4	To gain knowledge on application of MS Excel											
C5	To know mathematical and statistical functions for Economic Analysis											
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>		
I	<b>Introduction to Computers</b> Computer and Peripherals: Meaning, Types, Features and Limitations– Basic Components – Input and Output Devices – Primary Memory and Secondary Storage – Computer Software– Types – Malicious Software – Operating Systems: Functions and Types.									15		
II	<b>MS Office</b> Windows Explorer - MS Word: Basic Operations in Word – Editing– Formatting – Text Creation of Tables and Volumes - MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting.									15		
III	<b>Data Processing</b> Data Processing Techniques using MS Excel: Concept of Data – Record and File – Types of Data – Data Entry – File Handling and Operations– Opening, Appending and Cascading – Closing and Attribute Controls – Data Storage and Retrieval.									12		
IV	<b>Introduction to MS Excel</b> Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs.									15		
V	<b>Application of MS Excel in Statistics and Economics</b> Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance- Index Numbers and Growth Rates - Demand Function - Supply Function, Production Function and Consumption Function - Demand for and Supply of Money- Correlation – Regression.									18		
	<b>Total</b>									<b>75</b>		

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Understand basic components of Computer and its functions.	PO1, PO3,PO8
2	Gain Knowledge of MS Office.	PO3,PO8
3	Outline data processing techniques of MS Excel.	PO2,PO3,PO8
4	Understand basic Operation in MS Excel.	PO1,PO2,PO8
5	Apply MS Excel in Statistics and Economics.	PO2,PO3,PO8
<b>Textbooks</b>		
1	Hem Chand Jain and H.N.Tiwari (2019) Computer Applications In Business ,5 <sup>th</sup> Edition Taxmann Publication.	
2	Dhanasekaran.K( 2010) Computer Applications In Economics Vrinda Publications.	
3	Asthana and Braj Bhushan (2007):Statistics for Social Sciences (with SPSS Applications).	
4.	Dan Kookin, “Word for Dummies”, Wiley, 2021	
5.	Joseph Muller, “Statistical Analysis with Excel For Dummies”, Wiley, 2008	
<b>Reference Books</b>		
1.	Oscar Afonso , Paulo B. Vasconcelos, Computational Economics: A Concise Introduction, Routledge; 1 <sup>st</sup> Edition	
2.	Alexis Leon and Mathews Leon; (2001), Introduction to Computers with Ms-Office 2000.McGraw Hill Education	
3.	Greg Harvey, PhD, (2007) Microsoft Office Excel 2007 For Dummies, Wiley Publishing.	
4.	Kerns (1992) Essentials of Microsoft Windows, Word and Excel, Prentice Hall	
5.	Kavindra Kumar Singh (2014) Computer Applications in Management Dream Tech	
<b>Web Resources</b>		
1.	<a href="https://www.excel-easy.com/basics.html">https://www.excel-easy.com/basics.html</a>	
2.	<a href="https://excelchamps.com/excel-basics/">https://excelchamps.com/excel-basics/</a>	
3.	<a href="https://edu.gcfglobal.or/en/topics/excel/">https://edu.gcfglobal.or/en/topics/excel/</a>	
4.	<a href="https://trumpexcel.com/learn-excel/">https://trumpexcel.com/learn-excel/</a>	
5.	<a href="https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup">https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**SECOND YEAR-SEMESTER - III**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U3ESC05	<b>MACRO ECONOMICS-I</b>	<b>Core -V</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To understand the national income and its related concepts										
C2	To analyse the classical theory of full employment and its advantages										
C3	To illustrate the Keynesian under employment theory and its applications										
C4	To evaluate the theories of Consumption and its types										
C5	To impart students to understand inflation and its types										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>National Income</b> National Income: Definition –Concepts: GDP,GNP and Per Capita Income- National Income Measurement: Expenditure, Income and Value Added Approaches- Real and Nominal GDP – National Income Accounting - GDP Deflator – Green GDP – Happiness Index - Circular Flow of Income and Expenditure										15
II	<b>Full Employment: Classical Theory</b> Introduction - Aggregate Demand and Aggregate Supply – Assumptions of Classical Theory – Say’s Law – Wage and Price Flexibility - Employment and Output determination in Classical Model -Three Ranges in Aggregate Supply (AS)Curve										15
III	<b>Under Employment: Keynesian Theory</b> Keynes’s Critique of Classical Theory – Involuntary Unemployment – Underemployment Equilibrium- Effective Demand – Components - Wage Rigidity – Liquidity Preference - Consumption Function: Meaning and Attributes - Investment – Marginal Efficiency of Capital-Multiplier.										18
IV	<b>Theories of Consumption</b> Keynesian Absolute Income Hypothesis – Duesenberry’s Relative Income Hypothesis – Friedman’s Permanent Income Hypothesis – Modigliani’s Life Cycle Hypothesis.										15
V	<b>Inflation</b> Inflation: Definition and Types -Demand Pull -Cost Push and Mark-up Inflation– Consumer Price Index – Wholesale Price Index – Producer Price Index – Headline and Core Inflation- Phillips Curve.										12
<b>Total</b>										<b>75</b>	

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



**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

## SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U3ESC06	<b>MATHEMATICS FOR ECONOMICS</b>	<b>Core -VI</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To integrate the concepts of Economics with Mathematical tools.										
C2	To use Matrices to find solutions in Economics.										
C3	To apply the applications of Matrix algebra and its uses										
C4	To know the differentiation and its function										
C5	To understand the second order derivatives and its maxi mini function										
<b>UNIT</b>	<b>Contents</b>								<b>No. of Hours</b>		
I	<b>Introduction</b> Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics								12		
II	<b>Matrix Algebra and Determinants</b> Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems).								15		
III	<b>Applications of Matrix Algebra</b> Solving a system of Linear Equations – Cramer’s Rule and Matrix Inverse Method- Leontief’s Input-Output Model – Open and Closed Model- Components, Uses, and Limitations- Hawkins – Simon Conditions for Viability of Input and Output Model (Problems).								18		
IV	<b>Differentiation</b> Limits and Continuity –Differentiability of a Function – Slope of a Curve – Increasing and Decreasing Functions – Rules- Exponential and Logarithmic Functions -Implicit Differentiation– Economic Applications: Marginal and Elasticity Concepts – Relationship between AR, MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost.								15		
V	<b>Optimization (Single Variable)</b> Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization -Cost Minimization – Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems).								15		
	<b>Total</b>								<b>75</b>		

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

## SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U3ESE31	<b>PRINCIPLES OF MARKETING</b>	Elective					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To assess the nature and scope of marketing and its functions										
C2	To understand the buying behavior and market segmentation with consumer protection act										
C3	To know the product, pricing decisions and pricing of new products										
C4	To reveals the distribution and promotions decisions its types and methods										
C5	To analyse the marketing technique and marketing services										
UNIT	Contents								No. of Hours		
I	<b>Introduction</b> Marketing: Definition, Nature and Scope – Marketing Functions– Modern Concept of Marketing– Classification of Markets – Buying – Transportation – Warehousing – Standardization – Grading.								15		
II	<b>Buying Behaviour and Market Segmentation</b> Buying Behaviour– Classification - Buying Decision Process– Buying Motives – Consumer Protection Act 1986 and Latest Amendments- Market Segmentation: Concept and Methods - Product Differentiation Vs. Market Segmentation - Marketing Mix								15		
III	<b>Product and Pricing Decisions</b> Product: Meaning and Classification - Product Mix –Branding- Brand Decisions – Packaging and Labelling – Product Support - Product Life Cycle - New Product Development -Pricing Objectives - Pricing Policies and Strategies – Pricing of New Products								16		
IV	<b>Distribution and Promotion Decisions</b> Channels of Distribution: Meaning and Importance - Wholesaling and Retailing – Promotional Methods – Promotion Mix – Advertising: Objectives, Characteristics and Types of Advertising Mediums - Publicity – Personal Selling: Importance and Process - Sales Promotion and Distinctive Characteristics.								14		
V	<b>Modern Marketing Techniques</b> Modern Marketing– Direct Marketing– Social Marketing- Relationship Marketing– E- Marketing - Green Marketing – Marketing of Industrial and Consumer Products –Marketing of Services – Marketing of Agricultural Products –Market Information System (MIS).								15		
	<b>Total</b>								<b>75</b>		
<b>Course Outcomes</b>								<b>Programme Outcome</b>			

CO	On completion of this course, students will	
1	Understand the Classification of Markets and Marketing Functions	PO1,PO2
2	Analyze the buying behaviour, Buying Decision Process and Understand Basic Theories, Consumer Protection Act, Product Differentiation and Marketing Mix.	PO2,PO3
3	Understand the concept of Product Mix, Product life cycle, Pricing Policies and Pricing of New Products.	PO1,PO2
4	Describe the Channel of Distribution, Wholesaling, Retailing, Sales promotion and their distinctive characteristics.	PO1,PO2
5	Evaluate the concepts of Modern Marketing and Elements.	PO1, PO2,PO3
<b>Textbooks</b>		
1	Dr.Rajan Nair.(2020) ,Marketing, Sultan Chand and Sons.	
2	Philip Kotler, (2016), Marketing: An Introduction, Asia Pacific Holding Private Limited	
3	Karunakaran K (2011) Marketing Management (Text and Cases in Indian Context), Himalaya Publishing House Mumbai	
4.	Seema Gupta (2022) Digital Marketing 3 <sup>rd</sup> Edition McGraw Hill	
5.	Gary M. Armstrong, Stewart Adam, Sara Marion Denize, Michael Volkov, Philip Kotler, "Principles of Marketing", Pearson, 2017	
<b>Reference Books</b>		
1.	Pillai, R.S.N and Bhagvathi (2010), Modern Marketing Principles and Practices. S Chand &CoLtd.,	
2.	Dr.C. B.Gupta ,Dr.N.Rajan Nair(2020), Marketing Management ,Sultan Chand &Sons.	
3.	Varshney,R.Land B. Bhattacharyya(2022), International Marketing Management, Sultan Chand and Sons.	
4.	Dr.C.B.Mamoria, Pradeep Jain, Priti Mitra,(2013)Theory and Practice of Marketing,KitabMahal	
5.	Sheena Iyengar(2011) The Art of Choosing ,Little Brown Book Group	
<b>Web Resources</b>		
1.	<a href="https://marketingland.com">https://marketingland.com</a>	
2.	<a href="https://www.worldsupporter.org/en/chapter/41634-summary-principles-marketing-kotler">https://www.worldsupporter.org/en/chapter/41634-summary-principles-marketing-kotler</a>	
3.	<a href="https://mailchimp.com/marketing-glossary/marketing-mix-7ps/">https://mailchimp.com/marketing-glossary/marketing-mix-7ps/</a>	
4.	<a href="https://www.linkedin.com/learning/paths/become-an-online-marketing-manager">https://www.linkedin.com/learning/paths/become-an-online-marketing-manager</a>	
5.	<a href="https://www.wordstream.com/learn">https://www.wordstream.com/learn</a>	

### Mapping with Programme Outcomes:

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

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

**Level of Correlation between PSO's and CO's**

<b>CO /PO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	3	2	3	2	2
<b>CO2</b>	3	2	3	3	2
<b>CO3</b>	3	3	3	2	3
<b>CO4</b>	3	2	3	2	3
<b>CO5</b>	3	3	2	2	2
<b>Weightage</b>	15	12	14	11	12
<b>Weighted percentage of Course Contribution to PSOs</b>	3	2.6	2.8	2.2	2.4

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

**SECOND YEAR-SEMESTER - III**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U3ESE32	<b>ECONOMICS OF TOURISM</b>	Generic Elective– III					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To familiarise students with the basic concepts of Tourism.										
C2	To probe the tourism demand forecasting and its methods										
C3	To analyse the impact of tourism and its related aspects										
C4	To understand the contribution of the Tourism Industry										
C5	To examine the various international organisations in Tourism.										
UNIT	Contents									No. of Hours	
I	<b>Introduction</b> Introduction – Economics, and Tourism - Tourism Demand - Theoretical background - Types of Tourism Demand - Determinants of Tourism Demand									15	
II	<b>Tourism Demand</b> Tourism Demand Forecasting - Methods of Forecasting – Public and Private Sectors in Tourism - the Need for Public and Private Sector Co-operation in Tourism – Growth of Tourism Demand in India.									15	
III	<b>Tourism Impacts</b> Impact of Tourism - Economic Aspects - the Multiplier Effect - Displacement Effect and Tourism - Tourist Spending - Costs and Benefits of Tourism to Community - Environmental Aspects – Contingency Valuation Method									15	
IV	<b>Tourism in India</b> Major tourism circuits of India: Inter-State and Intra-State – Heritage Tourism – Wild life Tourism and Eco Tourism – Tourism in Tamil Nadu.									15	
V	<b>Tourism Organizations</b> Role and Functions of World Tourism Organization (WTO), Pacific Asia Travel Association (PATA), World Tourism & Travel Council (WTTC) - Ministry of Tourism, Govt. of India, ITDC, Department of Tourism, Government of Tamil Nadu TTDC – IHA-IATA- TAAI- IATO.									15	
<b>Total</b>									<b>75 hours</b>		



<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Describe the importance of Tourism	PO1,PO2
2	Understand various methods to calculate demand for tourism	PO1, PO3,PO4
3	Analyse the impact of Tourism	PO1,PO2
4	Know the various Tourist circuits in India	PO6, PO8
5	Learn the role of Organisations in tourism development	PO1,PO2,PO8
<b>Textbooks</b>		
1	Stephen Ball (2007), Encyclopaedia of Tourism Resources in India,B/H.	
2	Manoj Dixit (2002), Tourism Products, New Royal Book Co. Lucknow	
3	Vanhove and Norber, “The Economics of Tourism Destinations”, T & F India, 2010	
4	Mike J. Stabler, Andreas Papatheodorou, M. Thea Sinclair, “ Economics of Tourism”, Talyor & Francis, 2009	
5	Yong Chen, “Economics of Tourism and Hospitality:A Micro Approach”, Talyor & Francis, 2021	
<b>Reference Books</b>		
1.	Bhatia A.K (2020)Tourism Development : Principles and Practices Sterling Publishers Private Limited	
2.	Mishra P.K (2018) Tourism in India: Potential, Problems and Prospects(2018) New Century Publications	
3.	Prasanna Kumar (2017) Marketing for Hospitality and Tourism Mc Graw Hill Education	
4.	Sneha Pathak and RiteshMishra(2019) Medical Tourism in India 93-88797-49-8	
5.	Geetanjali (2010)Tourism Management ABD Publishers	
<b>Web Resources</b>		
1.	<a href="https://www.unwto.org/">https://www.unwto.org/</a>	
2.	<a href="https://itdc.co.in/">https://itdc.co.in/</a>	
3.	<a href="https://tourism.gov.in/">https://tourism.gov.in/</a>	
4.	<a href="https://www.traveldailymedia.com/importance-of-travel-website-for-the-travel-company/">https://www.traveldailymedia.com/importance-of-travel-website-for-the-travel-company/</a>	
5.	<a href="https://www.oecd.org/cfe/tourism/">https://www.oecd.org/cfe/tourism/</a>	

## SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U3ESSEC04	<b>ENTREPRENEURIAL ECONOMICS</b>	<b>SEC-4</b>					1	1	25	75	100
<b>Learning Objectives</b>											
C1	To describes the factors influencing entrepreneurship										
C2	To know the various theories of motivation and its advantages										
C3	To Identify the opportunities to create value for others										
C4	To evaluate the creativity and entrepreneurship.										
C5	To analyse the sources of finance for business.										
<b>UNIT</b>	<b>Contents</b>								<b>No. of Hours</b>		
I	<b>Introduction</b> Entrepreneurship: Meaning and Importance - Evolution of term 'Entrepreneurship' - Factors influencing Entrepreneurship: Psychological, Social, Economic and Environmental - Characteristics of an Entrepreneur - Types of Entrepreneurs- New Generations of entrepreneurship - Barriers to entrepreneurship								15		
II	<b>Entrepreneurial Motivation</b> Motivation: meaning and Definition – Theories of Motivation: Maslow's, Herzberg's, McGregor's and Achievement Theory - Culture & Society - Values / Ethics – Risk-taking behaviour								12		
III	<b>Creativity and entrepreneurship</b> Creativity and entrepreneurship - Steps in Creativity - Innovation and inventions - Legal Protection of innovation - Skills of an Entrepreneur - Decision making and Problem Solving (Steps in Decision Making)								18		
IV	<b>Sources of Finance</b> Sources of Finance: Long term Sources -Equity Shares, Preference Shares and debentures- Kinds Private Placements- IPO-SEBI- FDI- Institutional Finance - Banks - IDBI, IFCI, IIBI, ICICI, SIDBI, SFCs in India - Merchant Banks in India - NBFCs in India								15		
V	<b>Rules and Legislation</b> Industries Development (Regulations) Act, 1951 - Factories Act 1948 - The Industrial Employment (Standing Orders) Act - Environment (Protection) Act, 1986 - The Sale of Goods Ac, 1950 - Industrial Disputes Act 1947								15		
	<b>Total</b>								<b>75 hours</b>		
<b>Course Outcomes</b>								<b>Programme Outcomes</b>			

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

## SECOND YEAR-SEMESTER – III- SKILL ENHANCEMENT COURSE -4

### Mapping with Programme Outcomes:

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

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

### Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	2	3	2
CO3	3	2	2	3	3
CO4	3	3	3	3	2
CO5	2	2	2	2	2
Weightage	14	13	12	14	11
Weighted percentage of Course Contribution to PSOs	2.8	2.6	2.2	2.8	2.2

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

## SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U3ESSEC05	<b>EVENT MANAGEMENT</b>	SEC-5					2	2	25	75	100
<b>Learning Objectives</b>											
C1	To equip students on the various facets of Event Management.										
C2	To provide students event management as a career option.										
C3	To understand the committees in managing events and its safety										
C4	To learn about celebrity management										
C5	To know the event management in India and its operations										
UNIT	Contents									No. of Hours	
I	<b>Introduction</b> Event Management – Definition –objectives –Classification and Types of Events- Career Options									15	
II	<b>Event Management Strategy</b> Process -Target Audience –Creativity - Purpose – Costs -Event Budget-Network with Suppliers- Creation of Social Media Accounts									15	
III	<b>Committees in Managing Events</b> Organising Committee- Event Scheduling -Venue Selection-Recruitment of Event Staff-Event Safety-Emergency Planning and Checklist									15	
IV	<b>Celebrity Management</b> Issues and Challenges -Cost Management and Budget – Confidentiality- Crowd Management									15	
V	Event Management Industry in India- Leading Event Management Companies									15	
	<b>Total</b>									<b>75</b>	

Course Outcomes		Programme Outcomes
CO	On Completion of the course ,students will	
1	Understand the growing importance of event industry	PO1, PO2
2	Analyse the process involved in the event management industry and career Options	PO2, PO3
3	Gain Knowledge on the various Committees involved	PO1,PO2,PO3
4	Review how to manage celebrities	PO2, PO6
5	Examine the Growth process of event Management industry in India	PO1, PO2, PO6
<b>Textbooks</b>		
1	Lynn Van Der Wagen & Brenda R Carlos Event Management	
2	Bhavana Chaudhari Dr. Hoshi Bhiwandiwalla(2019) A book of Event Management Kindle Edition,Nirali Prakashan Publishers	
3	Alex Genadinik Event planning -management & marketing for successful events, Alex Genadinik publisher 2015	
4	<a href="#">Charles Bladen</a> , <a href="#">James Kennell</a> , <a href="#">Emma Abson</a> and <a href="#">Nick Wilde</a> , “Events Management: An Introduction”, Talyor and Francis, 2017	
5	Bernadette Quinn, “ Key Concepts in Event Management”, Sage Publication, 2013	
<b>Reference Books</b>		
1.	Abhijeeth Bhattacharje(2020) Event Management :A zero Investment Startup Business Kindle Edition	
2.	William O'Toole(2021)Events Feasibility and Development From Strategy to Operations Routledge	
3.	Julia Rutherford Silvers, William O'Toole(2020)Risk Management for Events, Routledge	
4.	Anukrati Sharma, Shruti Arora( 2018)Event Management and Marketing: Theory, Practical Approaches and Planning ,.Bharti Publications	
5.	Allen, J. et al., 2011. Festival & Special event management. 5th edition. John Wiley & Sons: Brisbane	
<b>Web Resources</b>		
1.	<a href="https://www.careerlauncher.com/rbi-grade-b/wto/">https://www.careerlauncher.com/rbi-grade-b/wto/</a>	
2.	<a href="https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf">https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf</a>	
3.	<a href="https://www.bizzabo.com/blog/event-planning-websites/">https://www.bizzabo.com/blog/event-planning-websites/</a>	
4.	<a href="https://www.tantraa.net/">https://www.tantraa.net/</a>	
5.	<a href="https://eventplanningblueprint.com/">https://eventplanningblueprint.com/</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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



**SECOND YEAR- SEMESTER - IV**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U4ESC07	<b>MACRO ECONOMICS –II</b>	<b>Core - VII</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To analyse the IS-LM model and its shifts										
C2	To probe the macro economic variables and business cycle										
C3	To trace the macroeconomic theories and analyze the macroeconomic policies.										
C4	To understand the monetary policy and its instruments.										
C5	To know the fiscal policy and its instruments.										

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

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

## SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U4ESC08	<b>INDIAN ECONOMY</b>	<b>Core-VIII</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To understand the features and issues of Indian economy and new economic policy										
C2	To analyse the national income, poverty and human development and its method										
C3	To equip conceptual foundations and macroeconomic concepts of Indian Economy										
C4	To describe the Trends in Production and Productivity in Agriculture										
C5	To know the importance of Foreign Trade for a Developing Economy										
UNIT	Contents										No. of Hours
I	<b>Introduction to Indian Economy</b> Features and Issues of Indian Economy - Planned Economic Development in India - Achievements and Failures of Planning in India – Economic Crisis and Rationale behind Economic Reforms – New Economic Policy (LPG) 1991 – NITI Aayog										15
II	<b>National Income, Poverty and Human Development Index</b> National Income – Sectoral Contributions and Economic Transition in India – Poverty and Inequality – Definition and Estimates, Gini Coefficient, Sen Index, Poverty Line - Income and Regional Inequalities: Causes and Measures, Unemployment: Nature and Extent, Measures – HDI – International Comparisons.										15
III	<b>Sectors of the Indian Economy</b> Indian Agriculture – Trends in Production and Productivity – Land Reforms – Green Revolution - Agricultural Pricing - Agricultural Marketing – Food Security - Industrial Development – Trends and Problems, MSMEs – Industrial Policy 1991 and Recent Developments - Overview of Service and Financial Sectors in India – Importance – Expansion of Private Banks.										14
IV	<b>Foreign Trade</b> Importance of Foreign Trade for a Developing Economy-Composition and Direction of India’s Foreign Trade- Role of FDI and Foreign Institutional Investors- BOP Crisis - India’s Trade Policy.										16
V	<b>Fiscal Federalism</b> Principles of Federal Finance – Fiscal Federalism in India – Functions and Sources of Revenue – Vertical and Horizontal Imbalances – Finance Commission – Reports and its Recommendations.										15
<b>Total</b>											



**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

## SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U4ESE41	<b>RESEARCH METHODS IN ECONOMICS</b>	Generic Elective-IV					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To understand the meaning and significance characteristics of scientific research										
C2	To know the formulation, selection of research problem and collection of reviews										
C3	To apply the various research design in the social science research										
C4	To enumerate the data and sampling methods										
C5	To discuss the report writing techniques and its procedures										
UNIT	Contents								No. of Hours		
I	<b>Introduction</b> Research: meaning and significance Characteristics of Scientific Research - Type of Research: Pure, Applied, Analytical, Exploratory, Descriptive, Surveys, Case-Study - Limitations of Social Science Research - Role of Computer Technology In Research.								15		
II	<b>Research Problem and Review of Literature</b> Research Problem: formulation and selection - necessity of defining the problem – Review of literature: Primary and Secondary Sources - importance of literature review in defining a problem - identifying gap areas from literature and research database.								15		
III	<b>Research Design</b> Research Design: Concept and Importance in Research – Features of a Good Research Design – Exploratory Research Design – Descriptive Research Design – Experimental Design: Concept of Independent & Dependent variables.								12		
IV	<b>Data and Sampling Methods</b>  Data types: Qualitative and Quantitative - Sources of Primary and secondary data - Census - Sampling Methods: Probability and Non-Probability Sampling Methods - Sampling and Non-Sampling Errors								15		
V	<b>Hypothesis and Report Writing</b> Hypothesis: Types of Hypothesis - Null and Alternative Hypothesis - Parameter and Statistic - Type I and Type II Errors - Level of Significance and Critical Region - Report Writing - Types and Principles of writing the Research Report								18		
<b>Total</b>									<b>75 hours</b>		

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Understand the overview of Social Science Research.	PO1, PO2,PO4
2	Analyze the Research Process	PO1, PO2,PO4
3	Develop the Statistical Analysis to test Economic Theory and address Policy Issues	PO3,PO4
4	Know the sampling methods in Research.	PO1,PO2
5	Explain the hypothesis testing and Principles of Report Writing.	PO2,PO3, PO4
<b>Textbooks</b>		
1	Krishnaswamy, O.R. (1993) Methodology of Research In Social Sciences, Himalaya publishing House.	
2	Kothari, C. R. (2004). Research Methodology: Methods and techniques. New Age International.	
3	Vinod Chandra, Anand Hareendran, “Research methodology”, Pearson, 2017	
4	R.Pannerselvam, “Research Methodology”, PHI learning,2014	
5	Ranjit Kumar, “Research Methodology”, Sage Publication, 2010	
<b>Reference Books</b>		
1.	Taylor, B., Sinha, G., & Ghoshal, T. (2006). Research methodology: A guide to for researchers in management and social sciences. PHI Learning Pvt. Ltd..	
2.	Bhandarkar, P. L., Wilkinson, T. S., & Laldas, D. K. (2010). Methodology & Techniques of Social Research. Himalaya Publishing House	
3.	Kumar, A. (2002). Research methodology in social science. Sarup & Sons	
4.	Daniel, P. S., & Sam, A. G. (2011). Research methodology. Gyan Publishing House	
5.	Ethridge, D. (2004). Research methodology in applied economics: organizing, planning, and conducting economic research, Blackwell publishing	
<b>Web Resources</b>		
1.	<a href="http://ignou.ac.in">http://ignou.ac.in</a>	
2.	<a href="http://egyankosh.ac.in">http://egyankosh.ac.in</a>	
3.	<a href="https://www.educba.com">https://www.educba.com</a>	
4.	<a href="https://research.com/research/how-to-write-research-methodology">https://research.com/research/how-to-write-research-methodology</a>	
5.	<a href="https://www.questionpro.com/blog/what-is-research/">https://www.questionpro.com/blog/what-is-research/</a>	



**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

<b>CO /PO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	2	2	2	2	1
<b>CO2</b>	2	2	2	2	3
<b>CO3</b>	3	3	2	3	3
<b>CO4</b>	1	2	2	3	3
<b>CO5</b>	2	2	1	2	3
<b>Weightage</b>	10	11	9	12	13
<b>Weighted percentage of Course Contribution to PSOs</b>	2	2.2	1.8	2.4	2.6

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

**SECOND YEAR-SEMESTER – IV**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U4ESE42	<b>HEALTH ECONOMICS</b>	<b>Generic Elective-IV</b>					3	4	25	75	100
<b>Learning Objectives</b>											
C1	To understand the importance of health sector in economic development										
C2	To evaluate the components of demand and supply of health care										
C3	To Understand the importance of Health Indicators.										
C4	To evaluate the components of Demand of Healthcare.										
C5	To examine the review the existing Health Infrastructure.										
UNIT	Contents								No. of Hours		
I	<b>Introduction to Health Economics</b> Health and Economic Development - Determinants of Health - Health Indicators – Birth Rate – Fertility – Morbidity – Mortality – IMR – CMR – MMR – Disability Adjusted Life Year (DALY) – Sex Ratio-Quality Adjusted Life Year (QALY) - Amartya Sen’s Capability Approach.								15		
II	<b>Demand for Health Care</b> Demand for Health Care Services – Preference for Health Care using Indifference Curves – Budget Constraints – Income and Price Effects for Health Care – Elasticity of Demand for Medical Care.								15		
III	<b>Supply of Health Care</b> Supply of Health Care Services – Physicians and Medical Personnel as Health Care Providers – Non Labour Inputs – Hospitals – Interaction of Demand and Supply of Health Care.								15		
IV	<b>Health Infrastructure</b> Health Infrastructure – Rural – Urban –Government Programmes - Preventive, Promotive and Curative Health Care Services - Health Allocation in Budget								15		
V	<b>Health Services and Medical Insurance</b> Health Insurance -Types of Insurance Policies in India- Medical Ethics -Medical Tourism.								15		
<b>Total</b>									<b>75</b>		

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Understand the importance of Health Indicators.	PO1,PO2
2	Evaluate the components of Demand of Healthcare.	PO3,PO6,PO8
3	Analyze the importance of Supply of Healthcare Services.	PO2,PO6,
4	Review the Existing Health Infrastructure and Budget Allocation.	PO1,PO2,PO8
5	Trace the growth of Medical Tourism in India and understand the need for Health Insurance.	PO1,PO2, PO3,PO4
<b>Textbooks</b>		
1	Xamer Martinez Giralt (2010), “Principles of Health Economics”, Routledge, 2010	
2	Banerjee, D. (1975), social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June 1975	
3	Jay Bhattacharya, Timothy Hyde and Peter Tu, “Health Economics”, Palgrave Macmillian, 2014	
4	Peter Zweifel, Friedrich Breyer, Mathias Kifmann, “Health Economics, Springer Berlin Heidelberg, 2009	
5	Barbara McPake, Charles Normand, Charles E. M. Normand, “Health Economics: An International Perspective”, Routledge, 2008	

<b>Reference Books</b>	
1.	Himanshu Sekhar Rout and Prasant Kumar Panda(2010) Health Economics in India
2.	Edwin G Dolan and John C Goodman
3.	D. Amutha (2016) “A Textbook of Health Economics”, Edition 1, Mangalam Publishers and Distributors, Chennai.
4.	Charles E. Phelps, Health Economics”, Routledge, 2017
5.	Jan Abel Olsen, “Principles in Health Economics and Policy”, OUP Oxford, 2017
<b>Web Resources</b>	
1.	<a href="http://www.census.org">www.census.org</a>
2.	<a href="http://www.NFHS.org">www.NFHS.org</a>
3.	<a href="http://www.NSSO.org">www.NSSO.org</a>
4.	<a href="https://tnhealth.tn.gov.in/">https://tnhealth.tn.gov.in/</a>
5.	<a href="https://tnhealth.tn.gov.in/">https://tnhealth.tn.gov.in/</a>

**Mapping with Programme Outcomes:**

	<b>PO 1</b>	<b>PO 2</b>	<b>PO 3</b>	<b>PO 4</b>	<b>PO 5</b>	<b>PO 6</b>	<b>PO 7</b>	<b>PO 8</b>
<b>CO 1</b>	3	3	3	3	3	3	3	3
<b>CO 2</b>	3	3	2	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	2	3	3	3
<b>CO 4</b>	3	2	3	3	3	2	3	3
<b>CO 5</b>	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	3.8	2.8	2.8	3.00

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

**Level of Correlation between PSO's and CO's**

<b>CO /PO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	3	3	1	3	1
<b>CO2</b>	2	2	2	2	2
<b>CO3</b>	2	3	2	3	2
<b>CO4</b>	3	3	3	3	2
<b>CO5</b>	3	3	2	3	3
<b>Weightage</b>	13	14	10	14	10
<b>Weighted percentage of Course Contribution to PSOs</b>	2.6	2.8	2	2.8	2

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

**SECOND YEAR-SEMESTER - IV**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U4ESSEC06	<b>BASIC ACCOUNTANCY</b>	SEC-6					2	2	25	75	100
<b>Learning Objectives</b>											
C1	To provide an understanding on the basic concepts in Financial Accounting										
C2	To equipped with basic knowledge about Tally.										
C3	To describe the Final Accounts and Balance Sheet Adjustment										
C4	To understand the bank Reconciliation Statement and its uses										
C5	To use the Tally Software and its applications										
UNIT	Contents										No. of Hours
I	<b>Introduction to Accounting</b> Definition – Objectives – Functions- Advantages and Disadvantages- Single Entry Book Keeping and Double - Entry Book Keeping.										15
II	<b>Accounting -Books and Records</b> Journal – Ledger- Subsidiary Book- Cash Book- Trial Balance – Meaning- Methods of Preparation – Errors- Classification of Errors- Rectification of Errors.										15
III	<b>Final Accounts</b> Final Accounts- Preparation of Trading- Profit and Loss Account- Balance Sheet (Simple Adjustments).										18
IV	<b>Bank Reconciliation Statement</b> Bank Reconciliation Statement – Need - Meaning- Method of Preparation of Bank Reconciliation Statement										15
V	<b>Tally Software</b>  Introduction to Accounting Package – Tally- Meaning, Features, Advantages, Data Entry, Formatting Data , Functional Keys and Simple Calculation- Tally: <b>(Theory for Exam)</b>										12
<b>Total</b>										<b>75</b>	

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Understand the Basic Concepts of Accounting and prepare Book keeping.	PO1,PO3
2	Make Journal and Ledger and Categorize the various subsidiary books of accounts and identify & rectify errors	PO1,PO3
3	Prepare Profit and loss account and Balance Sheet	PO1, PO2,PO3
4	Tabulate Bank Reconciliation Statement.	PO2,PO3
5	Apply Tally Software Package in Accounting	PO3,PO8
<b>Textbooks</b>		
1	Reddy. T.S and Hari Prasad Reddy. Y(2013) Financial and Management Accounting Margham Publications Chennai	
2	Reddy .T.S Murthy(2012) Financial Accounting Margham Publications Chennai	
3	Rajni Sofat, Preeti Hiro,“Basic Accounting”, PHI Learning, 2010	
4	Nishat Azmat, Andy Lymer, “Basic Accounting”, Mobius, 2016	
5	John J. Wild, Barbara Chiappetta, Ken Shaw, “Fundamental Accounting Principles”, Mc Graw Hill, 2016	
<b>Reference Books</b>		
1.	Mukesh Mahajan, P.S.Gills, V.P.Sharma and H.S.Punia(2001), Fundamentals of Accountancy, Unistar Books, Chandigarh.	
2.	Sundeeep Sharma (2004) Principles of Accounting, Shree Niwas Publication, Jaipur	
3.	Shukla M.C, T.S. Grawal and S.C. Gupta, (2018),Advanced Accounts,S.Chand and Company	
4.	Maheshwari S.N and Suneel.K.Maheshwari, (2018), Financial Accounting Vikas Publishing House.	
5.	Goyal V.K and Ruchi Goyal, (2012), Financial Accounting, Prentice Hall India Learning Private Limited.	
<b>Web Resources</b>		
1.	<a href="https://www.accounting.com/resources/students/">https://www.accounting.com/resources/students/</a>	
2.	<a href="https://icmai.in">https://icmai.in</a> .	
3.	<a href="https://www.cipfa.org">https://www.cipfa.org</a>	
4.	<a href="https://www.accountingcoach.com/">https://www.accountingcoach.com/</a>	
5.	<a href="https://www.youtube.com/watch?v=OItO9XwgHII">https://www.youtube.com/watch?v=OItO9XwgHII</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**SECOND YEAR-SEMESTER - IV**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U4ESSEC07	<b>Modern Banking and Insurance</b>	SEC-7					2	2	25	75	100
<b>Learning Objectives</b>											
C1	To discern the modern banking and insurance course										
C2	To enables the learners understand new financial instruments and banking practices										
C3	To know the role of insurance in economic development										
C4	To understand the insurance contract and risk management										
C5	To know the Major Insurance Legislation in India and its growth										
UNIT	Contents									No. of Hours	
I	<b>Banking</b> Commercial Banks- Functions of Commercial Banks- Private and Public Sector Banks- Credit Creation - Commercial Banks's role- Payment Banks- functions- Digital Banking-Tools – Methods									14	
II	<b>Central Banks</b> Functions of a Central Bank – Objectives of Monetary Policy – Effects and Limitations – Narasimhan Committee Report.									15	
III	<b>Introduction to Insurance</b> Insurance: Meaning and Types- Role of Insurance in Economic Development -Saving and Investment Aspects – Social Vs Private Insurance: Life Vs Non-Life Insurance. Classification of Life, Health and General Insurance Policies.									16	
IV	<b>Insurance Contract and Risk Management</b> Meaning of contract- Insurable Interest- Utmost good faith-Principle of Indemnity and other Principles-Risk Management: Definition and Types- Management of Risk through Identification Analysis and Control.									15	
V	<b>Insurance Business in India</b> Major Insurance Legislation- Growth of Industry- Agricultural Insurance- Health Insurance- Reinsurance- Entry of Private Insurance Companies- Insurance Act. LIC Act, GIC Act. IRDA Act.									15	
<b>Total</b>									<b>75</b>		



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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESC09	<b>MONETARY ECONOMICS</b>	Core IX					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To understand the theories that governs and its application										
C2	To explains working of the Monetary System and its uses										
C3	To know the Role of Commercial Banks after Nationalisation and its operations										
C4	To compare the monetarism and Keynesianism										
C5	To identify the role of central banks and its operations										
UNIT	Contents									No. of Hours	
I	<b>Money</b> Definition, functions, Importance-Forms of Money- Supply of Money (M1, M2, M3, M4)-Crypto Currencies.									15	
II	<b>Demand for Money</b> Demand for Money: Classical, Keynesian and Baumol's Inventory theoretic Approach- James Tobin's Portfolio Approach - Milton Friedman's Reformulated Quantity Theory.									15	
III	<b>Monetarism Vs Keynesianism</b> Monetarism Vs Keynesianism- Comparison- Determinants of Money Supply – Money Multiplier. Supply Side Policies of Inflation.									15	
IV	<b>Commercial Banks</b> Commercial Banks - Credit Creation – Role of Commercial Banks after Nationalisation- RBI's role in Commercial Banks - Narasimhan Committee Report.									15	
V	<b>Monetary Stability and Central Bank</b> Inflation and Deflation: Definition, Types, Causes and Effects- Demand-Pull and Cost-Push Inflation- Central Bank Functions - Reserve Bank of India (RBI) -Monetary Policy and its Operations in India.									15	
<b>Total</b>									<b>75</b>		

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESC10	<b>FISCAL ECONOMICS</b>	<b>Core -X</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To enable students to acquire Knowledge on the various facets of Fiscal Economics.										
C2	To illustrates various theories of fiscal economics and its applications										
C3	To describes the budget process and features of a good tax system										
C4	To analyse the trends in public expenditure and debt management										
C5	To evaluate the Budget of the Government of India, central and state relation										
UNIT	Contents										No. of Hours
I	<b>Introduction</b> Fiscal Economics: Nature, Scope, Objectives and Instruments -Major Fiscal Functions - Market Failure: Public Goods and Private Goods, Externalities, Efficiency Versus Equity- Principles of Functional Finance.										15
II	<b>Theories of Fiscal Economics and Policy</b> Principle of Maximum Social Advantage -The Benefit Approach- The Ability-to- Pay Approach-Equal Sacrifice Principle- Fiscal Policy and its Instruments.										14
III	<b>Budget and Taxation</b> Role of Government in a Modern Economy- Public Budget: Types and Structure - Taxation -Features of a Good Tax System- Direct and Indirect Taxes -Concept of Impact- Incidence and Shifting of Taxation-Elasticity and Determination of Tax Burden - Optimal Taxation.										16
IV	<b>Public Expenditure and Debt</b> Public Expenditure: Canons and Classification -Wagner's Law of Public Expenditure- Public Debt: Meaning and Types, Burden of Public Debt-Principles of Public Debt Management– Deficit Financing.										15
V	<b>Indian Public Finance</b> Budget of the Government of India (Previous Financial Year)-Sources of Public Receipts (Tax and Non-Tax, GST and its Impacts)-Components of Public Expenditure-Sources of Public Borrowing and Debt Liabilities-Deficits-Appraisal of FRBM Act 2004- Fiscal Federalism: Centre and State Relations -Finance Commission Recommendations of Last 3 years.										15
<b>Total</b>										<b>75</b>	

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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



**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESC11	<b>INDUSTRIAL ECONOMICS</b>	<b>Core-XI</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To discuss the Features, Performance and development issues of the Indian Economy										
C2	To analyse the various theories of Industrial Location.										
C3	To know the licensing policies and industrial sickness										
C4	To describe the growth Patterns in Indian Industrial Sector.										
C5	To observe the trends and prospects of industrial growth in India										
UNIT	Contents									No. of Hours	
I	<b>Introduction</b> Nature and scope of Industrial Economics - History of Industrial Revolution -Digital Revolution -Classification of Industries: Public Sector, Private Sector and Public Private Partnerships- Large, MSMEs, Cottage Industries- Concept of Plant, Firm and Industry.									15	
II	<b>Theories of Location</b> Theories of Industrial Location - Weber - Sargant Florence - Factors Affecting Location-Localization -Glocalization of Industries – Decentralization of Industries-Industrial Efficiency and Economic Efficiency- Measures of Concentration - Concentration ratio - Hirschman - Herfindahl Index.									16	
III	<b>Industrial Licensing and Policies</b> Industrial Licensing – MRTP Act – Industrial Policies -Industrial Productivity -Capacity Utilization - Industrial Sickness- Mergers and Acquisitions – Profitability and Efficiency.									14	
IV	Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives.									15	
V	<b>Growth Trends in India</b> Industrial Growth in India: Trends and Prospects – Incentives to Promote Industrialization – Ease of Doing Business Ranking - MNCs in India -Special Economic Zones- FDI Policy- Make in India Initiative- National Manufacturing Policy.									15	
<b>Total</b>									<b>75</b>		

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESC12	<b>ENVIRONMENTAL ECONOMICS</b>	<b>Core -XII</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To understand the theoretical basis of Environmental Economics										
C2	To choose the relevant economic tools to improve Environmental Quality										
C3	To describe the Environment as a Public Good and market failure theories										
C4	To doctrine the various methods of environmental valuation and its uses										
C5	To know the regulation of Pollution through Economic Instruments										
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>	
I	<b>Fundamentals of Environmental Economics</b> Definition, Scope and Significance - Environment – Economy Linkages – Material Balance Approach - Malthusian and Neoclassical perspective of Environment - Sustainable Development - Environment Kuznets Curve.									15	
II	<b>Economics of Natural Resources</b> Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources.									15	
III	<b>Market Failure</b> Environment as a Public Good - Tragedy of Commons-Externalities - Pigouvian Fee and Coase theorem on Property Rights.									12	
IV	<b>Valuation of Environment</b> Total Economic Value - Contingent Valuation Method – Stated Preference - Travel Cost Model - Hedonic Pricing - Economics of Sustainable Development - Green Accounting – Ecological Footprint, Carbon Footprint, Ecological Shadow.									18	
V	<b>Economics of Pollution Control</b> Optimal level of Pollution - Regulation of Pollution through Economic Instruments - Command and Control Approach.									15	
<b>Total</b>											

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Have a better understanding of Environment-Economy Linkages.	PO1, PO2,PO5
2	Apply environmental concepts to Economic Theories.	PO2,PO3
3	Create economic policies incorporating Environmental Issues.	PO5, PO7
4	Analyse the methods to value Environment Pollution.	PO2,PO3
5	Evaluate the need for reduction of Pollution.	PO2,PO7
<b>Textbooks</b>		
1	Karpagam. M, (2017), Environmental Economics–Third Edition, Sterling Publication Pvt. Ltd, Noida.	
2	Nick Hanley, Jason Shogren and Ben White, (2013), Introduction to Environmental Economics, Second Edition, Oxford University Press, Oxford.	
3	Eugene .T Environmental Economics, Oxford University Press, New Delhi. (2014),	
4	Hanley N, Shogren JF, White B “Environmental Economics in Theory and Practice”, 2nd Edition. Palgrave Macmillan, 2007	
5	Kolstad, Charles D, (2000), Environmental Economics, New York: Oxford University Press,	
<b>Reference Books</b>		
1.	Maureen L. Cropper and Wallace E. Oates, “Environmental Economics: A Survey”, Journal of Economic Literature, Volume 30, 1992,	
2.	Barry C. Field, (1994)Environmental Economics: An Introduction, Singapore, McGraw-Hill,	
3.	Hussen, Ahmed.M.( 1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London: Routledge.	
4.	Dr.S.Sankaran(2012) Environmental Economics Margham Publications.	
5.	Mark Maslin(2014) “Climate Change: A Very Short Introduction 3 <sup>rd</sup> Edition Oxford University Press.	
<b>Web Resources</b>		
1.	<a href="https://unfccc.int/">https://unfccc.int/</a>	
2.	<a href="https://www.undp.org/">https://www.undp.org/</a>	
3.	<a href="http://moef.nic.in/">http://moef.nic.in/</a>	
4.	<a href="https://www.envis.nic.in">https://www.envis.nic.in</a>	
5.	<a href="https://www.unep.org">https://www.unep.org</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESDSE01	<b>TAMIL NADU ECONOMY</b>	<b>Discipline Specific Elective - V</b>					4	5	25	75	100
<b>Learning Objectives</b>											
C1	To discuss the Features, Performance and development issues of Tamil Nadu Economy										
C2	To analyse the agricultural and industrial scenario in Tamil Nadu										
C3	To understand the industrial scenario in tamil nadu and its growth										
C4	To know the general performance of the tamilnadu										
C5	To describe the state finances and its development initiatives										
UNIT	Contents										No. of Hours
I	<b>Introduction</b> Tamil Nadu–Salient features–Geographical Features – Economic and Social Indicators –Human Development – Index Rank–Gender Disparity Index–Poverty Index –Work Participation Rate – Unemployment Rate – Literacy Rate– Life Expectancy – Demography and Occupational Patterns.										15
II	<b>Agriculture</b> Agriculture–Land Use Patterns– Cropping Pattern–Irrigation - Agricultural Marketing – Defects and Remedial measures – Agricultural Finance – Policy and Issues –Crop Insurance.										16
III	<b>Industry</b> Industrial Scenario in Tamil Nadu – Production Trends—Large Industries- MSMEs –Khadi and Village Industries – Export Contribution of top 5 Major Industries - Industrial Financial Institutions: TIIC, SIDCO, SIPCOT, Industrial Estates-DIC, EPZ, SPZ, SEZ.										14
IV	<b>State Finances and Development Initiatives</b> State Finance – Revenue and Expenditure of the State – Tamil Nadu’s Recent Budget – Poverty Alleviation and Unemployment Programmes – Education and Health Care and State Welfare Programmes.										15
V	<b>General Performance of the State</b> Tourism and Medical Tourism – Women Empowerment Programme – Self Help Groups and Micro Finance- MahalirThittam - Environmental Protection Measures.										15
<b>Total</b>										<b>75</b>	

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



**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESDSE012	<b>MANAGERIAL ECONOMICS</b>	<b>Discipline Specific Elective-V</b>					3	5	25	75	100
<b>Learning Objectives</b>											
C1	To develop analytical and problem-solving skills among the students.										
C2	To enable students to Capital Budgeting and its concepts.										
C3	To understand the cost controls measures and its uses										
C4	To know the Demand for Durable and Non-Durable Products										
C5	To familiarize students of Pricing Policies and its Practices.										
UNIT	Contents									No. of Hours	
I	<b>Introduction</b> Nature and Scope of Managerial Economics - Meaning - Characteristics- Importance-Role and Responsibilities of Managerial Economist – Basic Economic Tools in Managerial Economics.									15	
II	<b>Demand, Cost and Profit Analysis</b> Demand for Durable and Non-Durable Products, Demand Forecasting Techniques -Statistical and Non-Statistical Techniques - Cost Estimation - Cost-Volume-Profit Analysis (Break Even Analysis)- Objectives and Assumptions; Determination of Break Even Point, Limitations									15	
III	<b>Pricing Policies and Practices</b> Objectives - Popular Pricing Methods and Strategies- Price Discounts and Differentials- Pricing by Manufacturers and Retailers- Price Forecasting.									12	
IV	<b>Capital Budgeting</b> Capital Budgeting: Need for capital budgeting- Different steps in Capital Budgeting- - Appraisal Methods – Payback Method, Accounting Rate of Return, Net Present Value method, Internal Rate of Return Method, Cost–Benefit Method - Capital Rationing.									18	
V	<b>Cost of Capital</b> Sources of Funds for Long Term Financing-Cost of Debt Capital - Cost of Preferred Stock -Cost of Equity Capital or Common Stock-Cost of Retained Earnings.									15	
<b>Total</b>									<b>75</b>		

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESDSE021	<b>OPERATIONS RESEARCH</b>	<b>Discipline Specific Elective-VI</b>					3	5	25	75	100
<b>Learning Objectives</b>											
C1	To enable students to understand the rational decision making in practice										
C2	To understand use of key concepts such as Linear Programming and its applications,.										
C3	To probe the Transportation Assignment CPM,PERT and Queuing										
C4	To provide understanding about making Rational Decisions in Practice.										
C5	To provide knowledge on acquiring Entrepreneurial Skills.										
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>	
I	<b>Introduction to Operations Research</b> Operations Research – Definition–Methodology – Tools-Types of Operations Research Models- Operations Research and Decision Making - Limitations.									12	
II	<b>Linear Programming Problem</b> Definition – Applications- Assumptions -Formulation- - Graphical solution – Maximization and Minimization- Simplex Method (2 Variable)									15	
III	<b>Transportation and Assignment</b> Introduction – Matrix Formulation of a Transportation Problem– North West Corner Entry Method –Vogel’s Approximation Method- Initial Basic Feasible Solution (basic problems) - Assignment – Introduction – Balanced and Unbalanced Assignment Problem – Solution using Hungarian Assignment Method.									18	
IV	<b>Decision Theory</b> Decision Making under Risk and Uncertainty-Decision Tree Analysis-Network Analysis –Basic Concepts: CPM – PERT									15	
V	<b>Queuing Theory</b> Queuing Theory - Basic Concepts -Traffic Intensity– Idle Rate-Single Channel - Number of Customers in Line and System - Time Spent by the Customers in Line and System - Probability of Customers’ Waiting.									15	
<b>Total</b>									<b>75</b>		

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**THIRD YEAR - SEMESTER-V**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U5ESDSE022	<b>GENDER ECONOMICS</b>	Elective					3	5	25	75	100
<b>Learning Objectives</b>											
C1	Students will be able to sensitize on issues that is related to gender										
C2	To understand the conceptual clarification of women and work										
C3	To analyse the Women in Organized and Unorganized Sectors in an Economy										
C4	Identify the marginalization of women in economic theory and in the economy										
C5	Incorporate gender in mainstream policy making										
UNIT	Contents									No. of Hours	
I	<b>Introduction to Gender Analysis and Economics</b> Definition - Gender - Gender Analysis: Purpose and Scope - Feminist Perspective in Economics - Classical and Neoclassical Economics- Post Keynesian Economics- Economic Measurements - Empirical Challenges.									12	
II	<b>Development and Anti - Development</b> Development Versus Anti-Development - Women In Development (WID)- Women and Development (WAD)- Gender And Development – Women And Empowerment- Women And Environment – Ecofeminism.									15	
III	<b>Women and Work – A Conceptual Clarification</b> Invisibility of Women – “Statistical Purdah” - A Critique of Methods, Concepts, Definitions Employed in Economic Theory- A Critique of The Data System In India (Application) - Measures To Rectify This Invisibility									18	
IV	<b>Marginalization of Women</b> Women Sidelined – Gender – Discrimination Theories - Women in The Labour Market – Sexual Division of Labour, Wage Differentials, Micro Credit - Women in The Organized and Unorganized Sectors Of The Indian Economy (Application) - Feminization Of Work and Feminization Of Poverty									15	
V	<b>Gender, The Economy and Related Issues</b> Population – Demographic Features - Health and Education - Policy Measures – Government and NGOs– Gender Budgeting									15	
<b>Total</b>									<b>75</b>		



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

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESC13	<b>INTERNATIONAL ECONOMICS</b>	<b>Core-XIII</b>					4	6	25	75	100
<b>Learning Objectives</b>											
C1	To evaluate critical overview of International Trade theories										
C2	To understand the Foreign Exchange Market and its operations										
C3	To know the BOP disequilibrium and International Trade Policy.										
C4	To impart knowledge on Foreign Exchange Market and its concepts										
C5	To familiarize students on Trade Policies										
UNIT	Contents							No. of Hours			
I	<b>Introduction</b> Nature and Scope of International Economics -The Globalization of the World Economy - International Trade and the Nation's Standard of Living - International Trade Policy - Current International Economic Problems and Challenges.							15			
II	<b>International Trade Theories</b> Absolute Advantage: Adam Smith - Comparative Advantage: David Ricardo - Opportunity Cost: Haberler - Reciprocal Demand: Mill - Offer Curves: Marshall - Factor Endowments: Heckscher-Ohlin - Leontief Paradox - Economic Growth and International Trade.							14			
III	<b>Foreign Exchange Market</b> Foreign Exchange Market: Function and structures - Exchange Rates: Fixed, Flexible, Floating, Pegged, Nominal and Real Exchange Rates - Theories of Exchange Rates: Mint Parity Theory, Purchasing Power Parity Theory, and Balance of Payments Theory.							16			
IV	<b>Balance of Payments</b> The Balance of Payments Account - Equilibrium and Disequilibrium in BOP - Surplus and Deficit in BOP- Adjustment Mechanism: Direct and Indirect Mechanisms- Export Promotion and Import Substitution.							15			
V	<b>Terms of Trade and Trade Policy</b> Terms of Trade: Concept and Determinants - Terms of trade and Economic Development - Tariff and Non-Tariff Barriers – Effects – Quotas - Import Quotas Vs Tariffs - Free Trade and Economic Development-Free Trade Vs Protection.							15			
<b>Total</b>									<b>75</b>		

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will	
1	Develop ideas of the basic characteristics of Globalisation of the World Economy and its current international economic problems and challenges.	PO1
2	Grasp the basic theories of International Trade and Economic Growth.	PO1
3	Understand the functions, structure and theories of Foreign Exchange Market.	PO1,PO2,PO3
4	Describe the BOP disequilibrium, Adjustment Mechanism, Export Promotion and Import Substitution.	PO2,PO3
5	Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development	PO1,PO2
<b>Textbooks</b>		
1	Mithani D.M (2002), Introduction to International Economics, Vora & Co Publishers, Bombay.	
2	Dwivedi, D. N. (2013). International Economics: Theory and Policy. Vikas Publishing House, New Delhi.	
3	Cherunilam, Francis (2006). International Economics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi	
4	M.L Jhingan, “ International Economics”, Vrinda publications, 2016	
5	K.R.Gupta, International Economics, Atlantic Publishers, 2017	
<b>Reference Books</b>		
1.	Paul Krugman, Maurice Obstfeld, and Marc Melitz, (2012), International Economics: Theory and Policy, Addison-Wesley (Pearson Education Indian Edition), 9th edition.	
2.	Kindleberger, C.P (1977). International Economics, D.B. Taraporevala Sons and Co. Pvt. Ltd., Bombay	
3.	Leamer, E. E., & Stern, R. M. (2017). Quantitative International Economics. Routledge.	
4.	Salvatore, D. (2016). International Economics. John Wiley & Sons.	
5.	Jones, R. W., Grossman, G. M., Kenen, P. B., Rogoff, K., Gopinath, G., & Helpman, E. (Eds.). (1997). Handbook of International Economics (Vol. 3). Elsevier.	
<b>Web Resources</b>		
1.	<a href="https://www.imf.org">https://www.imf.org</a>	
2.	<a href="https://www.forextime.com/education/forex-trading-for-beginners">https://www.forextime.com/education/forex-trading-for-beginners</a>	
3.	<a href="https://www.weforum.org/">https://www.weforum.org/</a>	
4.	<a href="https://www.wto.org/">https://www.wto.org/</a>	
5.	<a href="https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en">https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESC14	<b>DEVELOPMENT ECONOMICS</b>	<b>Core -XIV</b>					4	6	25	75	100
<b>Learning Objectives</b>											
C1	To focuses on themes that cut across core values in development economics										
C2	To describes the various approaches and theories of development.										
C3	To analyze the significance of Development Models in Economic Planning										
C4	To enable the students to know about Development and Growth Models.										
C5	To probe the role of Financial System in Economic Development										
UNIT	Contents										No. of Hours
I	<b>Introduction</b>  Meaning and Nature of Development Economics – Core values of Development- Amartya Sen’s Approach – Economic Growth Vs. Development – Progress and Economic Welfare – Comparative Economic Development.										12
II	<b>Theories of Economic Growth and Development – I</b> Rostow’s stages of Growth – Big Push Theory - Theory of Critical Minimum Effort - Utilisation of Surplus Manpower – Lewis Theory, Nurkse Theory - Rural Urban Migration – Harris-Todaro Model.										15
III	<b>Theories of Economic Growth and Development – II</b> Harrod-Domar Model (Critical Expansion and Growth) - - Solow Model of Growth - Technical Progress and Growth - Human Capital and Growth - Myrdal Model (Cumulative Causation Thesis) - Kaldor Model (Model of Distribution).										18
IV	<b>Development Planning</b> Development Planning – Concept and Rationale- Basic Models of Development Planning process – Government Failure and Market Economy – Role of NGOs in Economic Development – Trends in Governance and Reforms.										15
V	<b>Financing Economic Development</b>  Role of Financial System in Economic Development – Formal Versus Informal Finance – Micro Finance – Foreign Finance – Foreign Aid - Development Assistance Debate.										15
<b>Total</b>										<b>75</b>	

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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



### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESC15	<b>AGRICULTURAL ECONOMICS</b>	Core - XV					4	6	25	75	100
<b>Learning Objectives</b>											
C1	To probe into the various issues in agricultural Labour										
C2	To understand the marketing, Finance and Price Policy of Agriculture										
C3	To study the impact of Agriculture on Indian Economic Scenario.										
C4	To assess the Sustainable agriculture Development In india										
C5	To familiarize students about the significance of Sustainable Agriculture.										
UNIT	Contents								No. of Hours		
I	<b>Introduction</b> Scope and significance of Agriculture- Role of Agriculture in India's Development- Inter-sectoral Linkages - Farm Management: Definition and Principles-Management of Risks in Agriculture.								12		
II	<b>Agricultural Labour</b> Agricultural labour: Definition - Types – Supply of Labour – Problems - Rural Unemployment: Types, Consequences and Remedial Measures- Minimum Wages for Agricultural Workers– Recent Wage and Self-Employment Programmes								15		
III	<b>Agricultural Finance</b> Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance- Cooperatives in Rural Finance- Role of Commercial Banks and NABARD – Farm Capital - Meaning, Types and Marginal Efficiency of Farm – Agricultural Capital Formation								15		
IV	<b>Agricultural Price Policy</b> Objectives and need of Agricultural Price Policy – Stability and Trends in Agricultural Prices – Evaluation of Agricultural Price Policy in India – Agricultural Exports - Current Issues in Indian Agriculture.								15		
V	<b>Sustainable Agriculture and Food Security</b> Development issues: Poverty, Inequality, Unemployment and Environmental Degradation - Green Revolution: Recent Developments– Methods and Issues - Population and Food Supply- Food Security and Public Distribution System in India.								18		
<b>Total</b>									<b>75</b>		

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESDSE031	<b>BASIC ECONOMETRICS</b>	<b>Discipline Specific Elective- VII</b>					3	5	25	75	100
<b>Learning Objectives</b>											
C1	To analyse the Economic Relationship mathematically.										
C2	To estimate testing hypotheses, forecasting which helps in Policy Decision Making										
C3	To understand the application of economic theories in real time situations										
C4	To evaluate the Violation of Assumptions in econometric applications										
C5	To understand and analyze various Econometric Models and its application.										
UNIT	Contents										No. of Hours
I	<b>Introduction</b> Definition – Scope – Divisions – Objectives – Use of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model–Two variable Model, Population regression Function (PRF), Sample Regression Function (SRF) – Error term U – significance - Stochastic form of PRF and SRF.										12
II	<b>Estimation</b> Classical Linear Regression Model – Assumptions – Method of Ordinary Least Squares (OLS) – Derivation of OLS Estimators - Derivation of variance and Standard error of OLS estimators (Simple Linear Regression) – Properties of OLS estimators- Gauss–Markov Theorem – Proof – Three Variable Model estimation (Basic Idea only) – Hypothesis Testing (t and F test)–Test of Goodness of Fit $R^2$ and Adjusted $R^2$ .										18
III	<b>Violation of Assumptions</b> Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures.										15
IV	<b>Functional Forms and Dummy Variables</b> Regression through the origin - Double Log Model – Measurement of Elasticity – Semi log model – Measurement of Growth. Dummy Variables – ANOVA and ANCOVA Models – Dummy Variable Trap – Uses – Interaction Effects – Structural Changes – Seasonal Variations – Piecewise Linear Regression. Autoregressive and Distributed Lag Model – Ad Hoc Method of Estimation – Koyck Transformation – Mean and Median Lag.										15

V	<b>Simultaneous Equation Model</b> Simultaneous Equation Model: Definition and Examples – Simultaneous Equation Bias – Structural and Reduced Form Equations – Identification – Rank and Order Condition – Indirect Least Square Estimation – Two Stage Least Square Estimation.	15
<b>Total</b>		<b>75</b>

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understanding the importance of Econometrics.	PO1,PO3
2	Learning the estimation techniques of measuring relationship among economic variables.	PO1,PO3
3	Developing skills of interpretation.	PO3,PO8
4	Construct models in the testing of theories.	PO2, PO3, PO7
5	Application of real data for policy suggestions.	PO2,PO3,PO8
<b>Textbooks</b>		
1	Gujarathi, D. M. (2022). Gujarati: Basic Econometrics. McGraw-hill.	
2	Ramanathan, R. (1992). Introductory econometrics with applications. Dryden Press.	
3	MaddallaG.S.(2001) Introduction to Econometrics, Third Edition ,Wiley India	
4	Koutsoyiannis. “A, Theory of Econometrics”, Palgrave, Delhi.	
5	M.Wooldridge, “Introductory Econometrics: A Modern Approach”, Jeffery 5th Edition 2013.	
<b>Reference Books</b>		
1.	Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum’s Series).	
2.	Damodar, N. (2009). Basic Econometrics Fifth Edition. McGraw-Hill.	
3.	Moody, C. (2009). Basic econometrics with STATA. Economics Department. College of William and Mary.	
4.	Johnson Jr, A. C., Johnson, M. B., & Buse, R. C. (1987). Econometrics: Basic and applied. New York.	
5.	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons.	
<b>Web Resources</b>		
1.	<a href="https://nptel.ac.in/courses/111104072">https://nptel.ac.in/courses/111104072</a>	
2.	<a href="http://home.iitk.ac.in/~shalab/onlinecoursematerial">http://home.iitk.ac.in/~shalab/onlinecoursematerial</a>	
3.	<a href="https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf">https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf</a>	
4.	<a href="https://www.economtericssociety.org">https://www.economtericssociety.org</a>	
5.	<a href="https://economicsnetwork.ac.uk">https://economicsnetwork.ac.uk</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESDSE032	<b>BEHAVIOURAL ECONOMICS</b>	<b>Discipline Specific Elective-VII</b>					3	5	25	75	100
<b>Learning Objectives</b>											
C1	To provide an overview of how Behavioural Principles in economics										
C2	To apply behavioural approaches to economic Problems										
C3	To know the Nature and Components of mental accounting										
C4	To impart knowledge on how people's behaviour influence Decision Making.										
C5	To analyze the Behavioural Economic Models.										
<b>UNIT</b>	<b>Contents</b>										<b>No. of Hours</b>
I	<b>Introduction</b> History and Evolution of Behavioural Economics - Neoclassical Concept and Criteria for Economic Rationality - Causes of irrationality – Herbert Simon -Bounded Rationality Methods used in Behavioural Economics										15
II	<b>Heuristics &amp; Biases</b> Advantages and Disadvantages of Heuristics - Availability Heuristic - Anchoring Heuristic - Representative Heuristic - Self Evaluation Biases and Projection Bias										14
III	<b>Animal Spirits and its impact on Economic Decisions</b> Confidence – its feedback mechanism that amplifies disturbances - Fairness – Its influence in setting wages and prices - Corruption and Antisocial behaviour - Money Illusion – Improper interpretation of inflation and deflation										15
IV	<b>Prospect Theory</b> Conventional approaches to modifying Expected Utility theory - Prospect theory and Endowment effect - Reference points and Loss Aversion - Shape of the utility function - Decision weighting										16
V	<b>Mental Accounting</b> Nature and Components of mental accounting - Framing and Editing - Budgeting and Fungibility - Choice Bracketing and Dynamics										15
<b>Total</b>										<b>75</b>	

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

### Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3



<b>CO 2</b>	3	3	3	3	3	3	3	3
<b>CO 3</b>	3	3	2	2	3	3	3	3
<b>CO 4</b>	3	3	3	3	3	2	3	3
<b>CO 5</b>	3	3	3	3	3	3	3	3
Weightage	14	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESDSE041	<b>FINANCIAL MARKETS AND INSTITUTIONS</b>	<b>Discipline Specific Elective-VIII</b>					3	5	25	75	100
<b>Learning Objectives</b>											
C1	To provides a comprehensive functions and operations of financial markets										
C2	To understand the various financial institutions and its operations in India										
C3	To probe the role of banks in the financial operations and its regulations										
C4	To analyse the Financial Institutions in India and its influence on Indian Economy.										
C5	To impart knowledge on Exchange Markets and its aspects.										
UNIT	Contents										No. of Hours
I	<b>Introduction</b> Introduction to Financial System and Economic Development - Indicators of Financial Development, Concepts Related to Financial Markets and Institutions - Concept of Risk -Types of Return and Yield										15
II	<b>Financial Institutions – I</b> Commercial Banking - Role of Banks – NPAs - Risk Management in Banking– International Banking - Financial Regulations and Regulatory Institutions in India - RBI, SEBI, IRDA, PFRDA - Corporate Governance and SEBI.										15
III	<b>Financial Institutions – II</b> Financial Institutions – Provident Fund, Pension Fund, Insurance Companies - Mutual Fund, Credit Rating Agencies, Merchant Bank, Venture Capital Funds. Bond Market: Bond Features, Bond Price Volatility, Government Security Market, Corporate Bond Market, Public Sector Undertaking Bonds.										12
IV	<b>Derivatives Market</b> Classification of Stock Market and Securities – IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives.										15
V	<b>Exchange Market</b> Foreign Exchange Market - Foreign Exchange Market Structure - Risk Management in Foreign Exchange Market - Exchange Rate Determination - Foreign Capital – FDI & FII, Central Bank Intervention in Foreign Exchange Market.										18
<b>Total</b>										<b>75</b>	

<b>Course Outcomes</b>		<b>Programme Outcomes</b>
CO	On completion of this course, students will be able to	
1	Understand the role and importance of the Indian Financial Market.	PO1
2	Analyse the importance of Commercial Banks	PO1
3	Understand and analyse the mechanics and regulation of financial instruments and determine how the value of stocks, bonds, and securities are calculated.	PO2,PO3
4	Evaluate the performance of Derivative Market.	PO2,PO3
5	Analyse the Foreign Exchange Market.	PO2,PO3
<b>Textbooks</b>		
1	Saunders, A., Cornett, M. M., &Erhemjamts, O. (2012). Financial Marketsand Institutions. McGraw-Hill/Irwin.	
2	Mishkin, F. S., & Eakins, S. G. (2006). Financial Marketsand Institutions. Pearson Education India.	
3	Frederic, S. (2000). Financial Markets and Institutions. Pearson Education India.	
4	Maureen Burton, Reynold F. Nesiba, Bruce Brown, “An Introduction to Financial Markets and Institutions”, Talyor & Francis, 2015	
5	Dr.F.C Sharma, “ Financial Markets, Institutions and Services” SBPD Publications, 2021	
<b>Reference Books</b>		
1.	Megginson, W. L. (2005). The Financial Economics of Privatization. Oxford University Press on Demand.	
2.	Burton, M., Nesiba, R. F., & Brown, B. (2015). An introduction to FinancialMarkets and Institutions. Routledge.	
3.	Jones, F. M. (2014). Foundations of Financial Markets and Institutions. Pearson Education.	
4.	Bhole, L. M. (2004). Financial Institutions and Markets: Structure, Growth And Innovations, 4e. Tata McGraw-Hill Education.	
5.	Dr.Gurusamy .S (2018) Financial Markets and Institutions,Mc Graw Hill Education India.	
<b>Web Resources</b>		
1.	<a href="https://www.rbi.org.in">https://www.rbi.org.in</a>	
2.	<a href="https://www.nseindia.com">https://www.nseindia.com</a>	
3.	<a href="https://www.sebi.gov.in">https://www.sebi.gov.in</a>	
4.	<a href="https://dpiit.gov.in/foreign-direct-investment/foreign-direct-investment-policy">https://dpiit.gov.in/foreign-direct-investment/foreign-direct-investment-policy</a>	
5.	<a href="https://fifp.gov.in/">https://fifp.gov.in/</a>	

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESDSE042	<b>URBAN ECONOMICS</b>	<b>Discipline Specific Elective - VIII</b>					3	5	25	75	100
<b>Learning Objectives</b>											
C1	To know the role of Urban Economics and its growth structure										
C2	To understand the basic economic principles in Urban Economics.										
C3	To describes the various urban infrastructures and its functions										
C4	To provide understanding about urbanization and its aspects.										
C5	To familiarize the students about migration and its relevance in urban development.										
<b>UNIT</b>	<b>Contents</b>									<b>No. of Hours</b>	
I	<b>Introduction</b> Definition of Urban Economics- Nature and Scope of Urban Economics - Density, Urbanization - Definition of a City and Metropolitan area - Urban structure and Urban growth .									15	

II	<b>Concept, Causes and Problems of Urbanisation</b> Urbanization – Concept– Urban Morphology - Causes and Issues of Urbanization- Sustainable Urbanization.	15
III	<b>Urban Infrastructure</b> Urban Infrastructure- Transportation – Electricity - Water Supply - Slums, Housing and Urban Renewal -Public Health.	16
IV	<b>Migration Theories</b> Theories of Rural Urban Migration –Ravenstein’s Law of Migration- Stouffer’s theory of Mobility- Lee’s theory- Reasons for Migration: Push and Pull factors.	14
V	<b>Policies for Urban Development</b> Policies and Programmes for Urban development - Measures to Control Urban Growth - Integrated Development of Small and Medium Towns- Smart Cities in India	15
<b>Total</b>		

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

#### **Textbooks**

1	Ahluwalia, I.J., Kanbur, R., & Mohanty, P.K. Urbanization in India, Sage Publications, New Delhi. (2014)
2	Hartwick, John M,(2015) Urban Economics, Routledge.
3	Arthur O' Sullivan, Urban Economics, Tata McGraw Hill, 2009.
4	Douglas.M. Brown, “ Introduction to Urban Economics”, 2013
5	John F. McDonald, Daniel P. McMillen, “Urban Economics and Real Estate:Theory and Policy”, Wiley, 2011

#### **Reference Books**

1.	Briance A and Ravinder Singh, (edited) (1995), Housing the Urban Poor, Policy and Practice in Developing Countries, (Sage Publications, New Delhi).
2.	Fred Durr (1971),The Urban Economy (London, Index Educational Publishers).
3.	Harris Tondon (1973), Introduction to Urban Economic Analysis and Policy New York.
4.	Lolyd R Dowin and Associates (1969), Planning Urban Growth and Regional Development (London :MT.Press).
5.	Mark Garrett(1996), Transportation Planning (Sage Publications, New Delhi).

#### **Web Resources**

1.	<a href="https://smartcities.gov.in/">https://smartcities.gov.in/</a>
2.	<a href="http://www.moud.in/">http://www.moud.in/</a>
3.	<a href="https://urbaneconomics.org/">https://urbaneconomics.org/</a>
4.	<a href="https://www.iom.int/">https://www.iom.int/</a>
5.	<a href="https://refugeesmigrants.un.org/">https://refugeesmigrants.un.org/</a>

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

### THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
23U6ESGAC03	<b>GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS</b>	<b>Professional Competency Skill</b>					2	2	25	75	100
<b>Learning Objectives</b>											
C1	To create the opportunity for learning across different disciplines										
C2	To build experiences for students as they grow into lifelong learners.										
C3	To know the world climatic classification and its features										
C4	To build experiences for students as they grow into lifelong learners.										
C5	To know the history of modern India										
UNIT	Contents								No. of Hours		
I	<b>Polity</b> Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of subjects between the Union and the States Local Governance, Elections in India and Election Commission, CAG								15		
II	<b>Geography</b> Major oceans of the world - Important Canals – Gulfs – Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere, wind systems, cloud systems, world climatic classification -Indian climate - Indian Monsoon - India's Physical Features, Indian Soil -Types and Distribution - Important Trade Routes and Projects, Indian Natural Vegetation - Indian agriculture- Major Crops and its distribution, Indian Industries and its Distribution								15		
III	<b>Economy</b> National Income – Inflation - Money and Banking - Agriculture in India - Union Budget - Planning in India – Poverty – Unemployment - Inclusive Development and Development issues - Industrial Policies - Financial Markets								15		
IV	<b>History</b> Modern India -Formation of Indian National Congress - Morley Minto Reforms, Revolutionary activities - World War I and								15		



	India's Response - Home Rule league - Montague Chelmsford reforms - Rowlatt Act - Non-Cooperation Movement - Simon Commission and Nehru Report - Civil Disobedience Movement and Round Table Conferences - Quit  India Movement and Demand for Pakistan - Cabinet Mission - formation of Constituent assembly and Partition of India	
V	<b>Environment and Ecology</b> Basic concepts- Ecology, Biodiversity - Food Chain And Food Web - Bio-Geo Chemical Cycles -International Biodiversity Organisations - International Conventions - Conferences and Protocols - Indian Environmental Laws And Environment Related Organisations	15
	Total	<b>75</b>

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

**Mapping with Programme Outcomes:**

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

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

**Level of Correlation between PSO's and CO's**

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

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

**QUESTION PAPER PATTERN**  
**(For Theory & Problem oriented subjects)**

**Time: 3 Hours**

**Max. Marks: 75**

**PART – A (10 x1 = 10 Marks)**

**Answer All the  
Questions  
(From each unit  
two questions)**

**PART – B (5 x 7 = 35Marks)**

**Answer All Questions  
(Either or Type) (From  
each unit one question)**

**PART – C (3 x 10 = 30Marks)**

**Answer any Three out of Five Questions (From each unit one question)**