B.A., ECONOMICS

Syllabus

Program Code: UEC

2023-2024 onwards

MANNAR THIRUMALAI NAICKER COLLEGE

(AUTONOMOUS)

Re-accredited with "A" Grade by NAAC

PASUMALAI, MADURAI – 625 004

GUIDLINESS FOR OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM

(FOR UG PROGRAM FROM 2023 -2024 ONWARDS)

ELIGIBILITY FOR ADMISSION

Candidates seeking admission to the UG Degree program must have passed the Higher Secondary Education (respective groups – Arts / Science) of the Government of Tamil Nadu or any other state or its equivalent qualification.

DURATION OF THE COURSE

The duration of the course shall be three academic years comprising six semesters with two semesters in each academic year.

Subjects of Study

Part I : Tamil / Hindi /

Part II : English

Part III :

1.Core Subjects
2.Allied Subjects
3.Electives

Part IV:

1.Non Major Electives (I Year)
2.Skill Based Subjects
3.Environmental Studies - Mandatory Subject
4.Value Education - Mandatory Subject

Part V :

Extension Activities

ARTS & SCIENCE

CBCS COURSE STRUCTURE FOR UG PROGRAMS

Sem I	Credit	Sem II	Credit	Sem III	Credit	Sem IV	Credit	Sem V	Credit	Sem VI	Credit
1.1. Language - Tamil	3	2.1. Language - Tamil	3	3.1. Language - Tamil	3	4.1. Language - Tamil	3	5.1 Core Course – \CC IX	4	6.1 Core Course – CC XIII	4
1.2 English	3	2.2 English	3	3.2 English	3	4.2 English	3	5.2 Core Course – CC X	4	6.2 Core Course – CC XIV	4
1.3 Core Course – CC I	4	2.3 Core Course – CC III	4	3.3 Core Course – CC V	4	4.3 Core Course – CC VII Core Industry Module	4	5. 3.Core Course CC -XI	4	6.3 Core Course – CC XV	4
1.4 Core Course – CC II	4	2.4 Core Course – CC IV	4	3.4 Core Course – CC VI	4	4.4 Core Course – CC VIII	4	5. 3.Core Course –/ Project with viva-voce CC - XII	4	6.4 Elective -VII Generic/ Discipline Specific	3
1.5 Elective I Generic/ Discipline Specific	3	2.5 Elective II Generic/ Discipline Specific	3	3.5 Elective III Generic/ Discipline Specific	3	4.5 Elective IV Generic/ Discipline Specific	3	5.4 Elective V Generic/ Discipline Specific	3	6.5 Elective VIII Generic/ Discipline Specific	3
1.6 Skill Enhancement Course SEC-1 (NME)	2	2.6 Skill Enhancement Course SEC-2 (NME)	2	3.6 Skill Enhancement Course SEC-4, (Entrepreneurial Skill)	1	4.6 Skill Enhancement Course SEC-6	2	5.5 Elective VI Generic/ Discipline Specific	3	6.6 Extension Activity	1
1.7Ability Enhancement Compulsory Course (AECC) Soft Skill-1	2	2.7 Skill Enhancement Course – SEC-3(NME)	2	3.7 Skill Enhancement Course SEC-5	2	4.7 Skill Enhancement Course SEC-7	2	5.6 Value Education	2	6.7 Professional Competency Skill	2
1.8 Skill Enhancement - (Foundation Course)	2	2.8 Ability Enhancement Compulsory Course (AECC) Soft Skill-2	2	3.7 Ability Enhancement Compulsory Course (AECC) Soft Skill-3	2	4.7 7Ability Enhancement Compulsory Course (AECC) Soft Skill-4	2	5.5 Summer Internship /Industrial Training	2		
				3.8 E.V.S	-	4.8 E.V.S	2				
	23		**23**		**22**		**25**		**26**		**21**
	Total Credit Points										**140**

QUESTION PAPER PATTERN FOR THE CONTINUOUS INTERNAL ASSESSMENT

Note: Duration – 1 hour

(FOR PART I, PART II & PART III)

The components for continuous internal assessment are:

Part –A

Four multiple choice questions (answer all) 4 x01= 04 Marks

Part –B

Two questions (‘either …. or ‘type) 2 x05= 10 Marks

Part –C

Two questions (‘either …. or ‘type) 2 x 08=16 Marks

Total 30 Marks

THE COMPONENTS FOR CONTINUOUS INTERNAL ASSESSMENT ARE:

(60 Marks of two continuous internal assessments will be converted to 15 marks)

Two tests and their average --15 marks

Seminar /Group discussion / Quiz Test --5 marks

Assignment --5 marks

Total 25 Marks

QUESTION PAPER PATTERN FOR THE SUMMATIVE EXAMINATIONS:

Note: Duration- 3 hours

Part –A

Ten multiple choice questions	10 x01	= 10 Marks

No Unit shall be omitted: not more than two questions from each unit.)

Part –B

Five Paragraph questions (‘either …. or ‘type)	5 x 05	= 25 Marks

(One question from each Unit)

Part –C

Five Paragraph questions (‘either …. or ‘type)	5 x 08	= 40 Marks

(One question from each Unit)

Total	75 Marks

PART-IV- SKILL BASED PAPERS / NME:

The Scheme of Examination for Skill Based Papers: (Except Practical Lab Subjects)

QUESTION PAPER PATTERN FOR THE CONTINUOUS INTERNAL ASSESSMENT (SKILL BASED AND NME COURSES) DURATION – 1 HOUR

- 50 MCQs will be asked for each internal assessment tests (50 x 1=50 Marks) and converted for 15 marks

THE COMPONENTS FOR CONTINUOUS INTERNAL ASSESSMENT ARE:

Two tests and their average	--15 marks
Seminar /Group discussion / Quiz Test	-- 5 marks
Assignment	-- 5 marks
Total	25 Marks

SUMMATIVE EXAMINATION PATTERN (SKILL BASED AND NME COURSES) DURATION – 3 HOURS

Pattern of the Question Paper for Skill Based and Non-Major Elective courses (External)

75 Multiple choice questions will be asked from five units (75 x 1=75 Marks)

(15MCQ's from each unit)

PART-IV- ENVIRONMENTAL STUDIES AND VALUE EDUCATION

QUESTION PAPER PATTERN (INTERNAL ASSESSMENT)

Pattern of the Question Paper for Environmental Studies & Value Education (Internal)

50 MCQs will be asked for each internal assessment tests (50 x 1=50 Marks) and converted for 15 marks

Two tests and their average	--	15 marks
Project	--	10 marks

Total		25 Marks
		---

* The students as Individual or Group must visit a local area to document environmental assets – river / forest / grassland / hill / mountain – visit a local polluted site – urban / rural / industrial / agricultural – study of common plants, insects, birds – study of simple ecosystem – pond, river, hill slopes, etc.

SUMMATIVE EXAMINATION PATTERN

Pattern of the Question Paper for Environmental Studies & Value Education only) (External)

75 Multiple choice questions will be asked from five units (75 x 1=75 Marks)

(15MCQ's from each unit)

PART V EXTENSION ACTIVITIES: (MAXIMUM MARKS: 100)

1. NCC
2. NSS
3. Physical Education
4. YRC
5. RRC
6. Health & Fitness Club
7. Eco Club
8. Human Rights Club

Internal Examinations - - 25 Marks

Summative Examinations - - 75 Marks

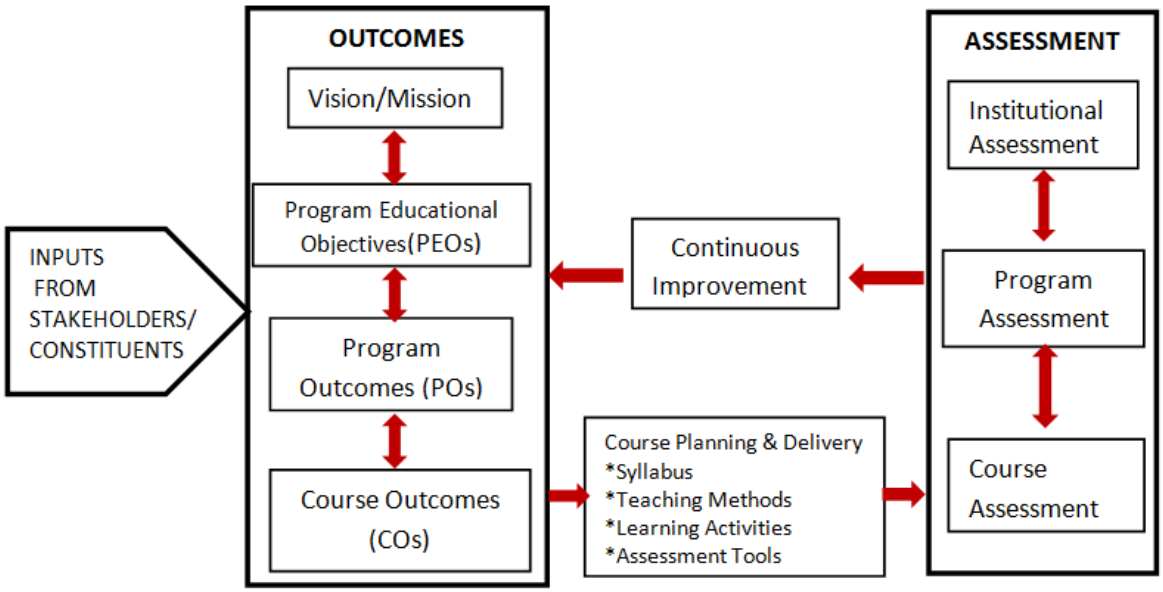
100

OUTCOME BASED EDUCATION:

OBE starts with the identification and articulation of clear and measurable learning outcomes for each course or program. These outcomes describe the skills, knowledge, and abilities that students are expected to acquire. The curriculum, instructional methods, and assessments are aligned with the defined learning outcomes. This ensures that everything taught and evaluated is directly related to what students are expected to learn.

The Learning Outcomes-Based Approach to curriculum planning and transaction in our institution ensures whether the teaching-learning processes are oriented towards enabling students to attain the defined learning outcomes relating to the courses within a programme. The outcome based approach, particularly in the context of undergraduate studies, requires a significant shift from teacher-centric to learner-centric pedagogies and from passive to active/participatory pedagogies.

Assessment Method: The students are assessed with 2 internal examination and the summative examination which includes problem based assignments; practical assignment laboratory reports; observation of practical skills; individual project reports ,case-study reports; team project reports; oral presentations, including seminar presentation; viva voce interviews; computerized adaptive testing; etc. and any other pedagogic approaches as per the context.



INSTITUTIONAL VISION

To Mould the learners into accomplished individuals by providing them with a stimulus for social change through character, confidence and competence.

INSTITUTIONAL MISSION

1. Enlightening the learners on the ethical and environmental issues.

2. Extending holistic training to shape the learners in to committed and competent citizens.

3. Equipping them with soft skills for facing the competitive world.

4. Enriching their employability through career oriented courses.

5. Ensuring accessibility and opportunity to make education affordable to the underprivileged.

HIGHLIGHTS OF THE REVAMPED CURRICULUM:

- Student-centric, meeting the demands of industry & society, incorporating industrial components, hands-on training, skill enhancement modules, industrial project, project with viva-voce, exposure to entrepreneurial skills, training for competitive examinations, sustaining the quality of the core components and incorporating application oriented content wherever required.
- The Core subjects include latest developments in the education and scientific front, advanced programming packages allied with the discipline topics, practical training, devising statistical models and algorithms for providing solutions to industry / real life situations. The curriculum also facilitates peer learning with advanced statistical topics in the final semester, catering to the needs of stakeholders with research aptitude.
- The General Studies and Statistics based problem solving skills are included as mandatory components in the ‘Training for Competitive Examinations’ course at the final semester, a first of its kind.
- The curriculum is designed so as to strengthen the Industry-Academia interface and provide more job opportunities for the students.

- The Statistical Quality Control course is included to expose the students to real life problems and train the students on designing a mathematical model to provide solutions to the industrial problems.
- The Internship during the second year vacation will help the students gain valuable work experience that connects classroom knowledge to real world experience and to narrow down and focus on the career path.
- Project with viva-voce component in the fifth semester enables the student, application of conceptual knowledge to practical situations. The state of art technologies in conducting a Explain in a scientific and systematic way and arriving at a precise solution is ensured. Such innovative provisions of the industrial training, project and internships will give students an edge over the counterparts in the job market.
- State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature are incorporated as Elective courses, covering conventional topics to the latest DBMS and Computer software for Analytics.

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B.A ECONOMICS CURRICULUM
(For the student admitted during the academic year 2023-2024 onwards)

Course Code	Title of the Course	Hrs	Credits	Maximum Marks		
				Int	Ext	Total
FIRST SEMESTER						
Part – I	**Tamil / Alternative Course**					
23UTAGT11	தமிழ் இலக்கிய வரலாறு - I	6	3	25	75	100
Part – II	**English**					
23UENGE11	GENERAL ENGLISH - I	6	3	25	75	100
Part - III	**Core Courses**					
23UECCC11	MICRO ECONOMICS - I	5	5	25	75	100
23UECCC12	STATISTICS FOR ECONOMICS - I	5	5	25	75	100
Part - III	**Elective Course**					
23UECEC11	FUNDAMENTALS OF MANAGEMENT	4	3	25	75	100
Part IV	**Non Major Elective**					
23UECNM11	DEMOGRAPHY	2	2	25	75	100
Part IV	**Foundation Course**					
23UECFC11	BUSINESS COMMUNICATION	2	2	25	75	100
	Total	30	23	175	525	700
SECOND SEMESTER						
Part – I	**Tamil / Alternative Course**					
23UTAGT21	தமிழ் இலக்கிய வரலாறு – II	6	3	25	75	100
Part – II	**English**					
23UENGE21	GENERAL ENGLISH - II	6	3	25	75	100
Part - III	**Core Courses**					
23UECCC21	MICRO ECONOMICS - II	5	5	25	75	100
23UECCC22	STATISTICS FOR ECONOMICS - II	5	5	25	75	100
Part - III	**Elective Course**					
23UECEC21	HISTORY OF ECONOMIC THOUGHT	4	3	25	75	100
Part IV	**Non Major Elective**					
23UECNM21	ECONOMICS FOR INVESTORS	2	2	25	75	100
Part IV	**Skill Enhancement course**					
23UECSC21	COMPUTER APPLICATIONS IN ECONOMICS	2	2	25	75	100
	Total	30	23	175	525	700

FIRST SEMESTER

Course Name	MICRO ECONOMICS - I			
Course Code	23UECCC11	**L**	**P**	**C**
Category	CORE - 1	5	-	5

COURSE OBJECTIVES:

- To Equip the economic behaviors of individual units of the society.
- To describes the consumer behavior and utility analysis
- To impart knowledge on demand and supply concepts
- To identify the relevance of Production and returns to scale of Production
- To know the costs and profit maximization

UNIT - I Basic Concepts **15**

Definitions of Economics– Nature and Scope of Microeconomics –Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making–Rationality: Self-Interest – Tradeoffs –Fundamental Economic Problems -Market Mechanism and Resource Allocation.

UNIT - II Utility Analysis **18**

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.

UNIT - III Demand and Supply Analysis **15**

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.

UNIT - IV Production Analysis **15**

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.

UNIT - V Cost and Revenue Concepts **12**

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.

Total Lecture Hours	**75**

BOOKS FOR STUDY:

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

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

- **http://www.econlib.org/library/enc/microeconomics.html**
- **https://www.tutor2u.net/economics**
- **https://www.economicsnetwork.ac.uk/**
- **https://www.cliffsnotes.com/studyguides/economics/introduction/microeconomics**
- **http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf**

Nature of Course	EMPLOYABILITY		SKILL ORIENTED	✓	ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓
Changes Made in the Course	Percentage of Change		No Changes Made	✓	New Course			

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	To Equip the economic behaviours of individual units of the society.	K1 to K4
CO2	To describes the consumer behaviour and utility analysis	K1 to K4
CO3	To impart knowledge on demand and supply concepts	K1 to K4
CO4	To identify the relevance of Production and returns to scale of Production	K1 to K4
CO5	To know the costs and profit maximization	K1 to K4

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	2	3		
CO5	2	2	2	2	2	3	2	3		

S- STRONG M – MEDIUM L - LOW

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	2	2
CO 2	3	3	2	2	2
CO 3	3	3	3	3	3
CO 4	3	3	3	2	2
CO 5	3	3	3	2	2
WEITAGE	15	15	14	11	11
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	3	2.8	2.2	2.2

LESSON PLAN:

UNIT	MICRO ECONOMICS-I	HRS	PEDAGOGY
I	Definitions of Economics– Nature and Scope of Microeconomics – Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making–Rationality: Self-Interest – Tradeoffs –Fundamental Economic Problems -Market Mechanism and Resource Allocation.	15	Chalk &talk, PPT
II	Utility–Ordinal and Cardinal Utility–Total and Marginal Utility – Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility-	18	Chalk &Talk, PPT,

	Indifference Curves–Properties–Marginal Rate of Substitution- Budget Line – Price and Substitution Effects-Optimal Consumer Choice – Revealed Preference Theory – Samuelson and Hicks' Approach.		**Discussion**
III	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**	**Chalk &Talk, Exercise**
IV	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**	**Chalk &Talk, PPT,**
V	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**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	Cos	K Level	Section A		Section B Either or Choice	Section C Either or Choice
			MCQs			
			No. of. Questions	K - Level		
CI AI	CO1	K1 – K4	2	K1,K1	2 (K2, K2)	2 (K3,K3)
	CO2	K1 – K4	2	K2,K2	2 (K3,K3)	2 (K4,K4)
CI AII	CO3	K1 – K4	2	K1,K1	2 (K2,K2)	2 (K3,K3)
	CO4	K1 – K4	2	K2,K2	2 (K3,K3)	2 (K4,K4)
Question Pattern CIA I & II		No. of Questions to be asked	4		4	4
		No. of Questions to be answered	4		2	2
		Marks for each question	1		5	8
		Total Marks for each section	4		10	16

Distribution of Marks with K Level CIA I & CIA II							
	K Level	Section A (Multiple Choice Questions)	Section B (Either / Or Choice)	Section C (Either / Or Choice)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	2			2	3.57	25
	K2	2	10		12	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100
CIA II	K1	2			2	3.57	25
	K2	2	10		2	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)						
S. No	COs	K - Level	Section A (MCQs)		Section B (Either / or Choice) With K - LEVEL	Section C (Either / or Choice) With K - LEVEL
			No. of Questions	K – Level		
1	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
2	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
3	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
4	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
5	CO5	K1 – K4	2	K1,K2	2 (K3,K3)	2 (K3,K3)
No. of Questions to be Asked			10		10	10
No. of Questions to be answered			10		5	8
Marks for each question			1		5	5
Total Marks for each section			10		25	40
(Figures in parenthesis denotes, questions should be asked with the given K level)						

Distribution of Marks with K Level						
K Level	**Section A (Multiple Choice Questions)**	**Section B (Either or Choice**	**Section C (Either/ or Choice)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	**2**			**2**	**2**	**48**
K2	**2**	**30**	**32**	**64**	**46**	
K3	**2**	**20**	**32**	**54**	**39**	**39**
K4	**2**		**16**	**18**	**13**	**13**
Marks	**10**	**50**	**80**	**140**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.						

Summative Examinations - Question Paper – Format

Q. No.	**Unit**	**CO**	**K-level**		
Answer **ALL** the questions			**PART – A**		**(10 x 1 = 10 Marks)**
1.	**Unit - I**	**CO1**	**K-1**		
				a)	b)
				c)	d)
2.	**Unit - I**	**CO1**	**K-2**		
				a)	b)
				c)	d)
3.	**Unit - II**	**CO2**	**K-1**		
				a)	b)
				c)	d)
4.	**Unit - II**	**CO2**	**K-2**		
				a)	b)
				c)	d)
5.	**Unit - III**	**CO3**	**K-1**		
				a)	b)
				c)	d)
6.	**Unit - III**	**CO3**	**K-2**		
				a)	b)
				c)	d)
7.	**Unit - IV**	**CO4**	**K-1**		
				a)	b)
				c)	d)
8.	**Unit - IV**	**CO4**	**K-2**		
				a)	b)
				c)	d)
9.	**Unit - V**	**CO5**	**K-1**		
				a)	b)
				c)	d)
10.	**Unit - V**	**CO5**	**K-2**		
				a)	b)
				c)	d)

Answer **ALL** the questions		**PART – B**		**(5 x 5 = 25 Marks)**
11. a)	**Unit - I**	**CO1**	**K-2**	
		OR		
11. b)	**Unit - I**	**CO1**	**K-2**	
12. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
12. b)	**Unit - II**	**CO2**	**K-2**	
13. a)	**Unit - III**	**CO3**	**K-3**	
		OR		
13. b)	**Unit - III**	**CO3**	**K-3**	
14. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
14. b)	**Unit - IV**	**CO4**	**K-2**	
15. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
15. b)	**Unit - V**	**CO5**	**K-3**	

Answer **ALL** the questions		**PART – C**		**(5 x 8 = 40 Marks)**
16. a)	**Unit - I**	**CO1**	**K-3**	
		OR		
16. b)	**Unit - I**	**CO1**	**K-3**	
17. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
17. b)	**Unit - II**	**CO2**	**K-2**	
18. a)	**Unit - III**	**CO3**	**K-4**	
		OR		
18. b)	**Unit - III**	**CO3**	**K-4**	
19. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
19. b)	**Unit - IV**	**CO4**	**K-2**	
20. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
20. b)	**Unit - V**	**CO5**	**K-3**	

Course Name	STATISTICS FOR ECONOMICS – I			
Course Code	23UECCC12	**L**	**P**	**C**
Category	CORE - II	5	-	5

COURSE OBJECTIVES:

- To know the nature and scope of statistics and its applications.
- To teach students Collection, Classification, Analyzing and Presentation of data.
- To apply the measures of central tendency.
- To draw measurement of dispersion and its applications.
- To analyse correlation and regression and its applications.

UNIT - I Introduction and Collection of Data **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.

UNIT - II Classification and Presentation of Data **15**

Classification and Tabulation of Data– Types - Frequency Distribution — Cumulative Frequency Distribution- Class Interval – Diagrams – Types- Graphical Representation– Histogram – Frequency Polygon - Ogive Curve - Lorenz Curve.

UNIT - III Measures of Central Tendency **15**

Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits.

UNIT - IV Measures of Dispersion **15**

Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation – Skewness and Kurtosis.

UNIT - V Correlation and Regression **15**

Correlation – Types of Correlation – Methods -Karl Pearson's Coefficient of Correlation –- Spearman's Rank Correlation – Regression Equations – Distinction between Correlation and Regression Analysis.

Total Lecture Hours **75**

BOOKS FOR STUDY:

- Gupta. S.P (2005) Statistical Methods, Sultan Chand and Sons, New Delhi.
- Sancheti. D.C and Kapoor V.K(2005) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi.
- 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.
- Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.
- Dominick Salvatore and Derrick Reagle, theory and problems of statistics and econometrics, Mc Graw Hill, (2002).

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

- **https://www.cuemath.com/data/statistics/**
- **https://stattrek.com/statistics/resources**
- **https://testbook.com/learn/maths-mean-median-mode/**
- **https://www.statistics.com/**
- **https://thisisstatistics.org/students**

Nature of Course	EMPLOYABILITY		SKILL ORIENTED	✓	ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓
Changes Made in the Course	Percentage of Change		No Changes Made	✓	New Course			

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	Understand the overview of statistics and basic knowledge of statistical tools.	K1 to K4
CO2	Differentiate Types of Data and its Classification	K1 to K4
CO3	Explain the concept of Averages and its application	K1 to K4
CO4	Know the concept of Dispersion and its application	K1 to K4
CO5	Calculate Correlation and estimate values using Regression	K1 to K4

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	2	3		
CO5	3	2	2	2	3	3	3	3		

S- STRONG M – MEDIUM L - LOW

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
WEITAGE	15	15	15	15	15
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	3	2.8	2.2	2.2

LESSON PLAN:

UNIT	STATISTICS FOR ECONOMICS –I	HRS	PEDAGOGY
I	Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data –Tools for collecting Primary Data – Requisites of Good Questionnaire – Sources of Secondary Data.	15	Chalk & talk, PPT
II	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	Chalk &Talk

III	Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits.	**15**	**Chalk &Talk**
IV	Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation –- Skewness and Kurtosis.	**15**	**Chalk &Talk, PPT,**
V	Correlation – Types of Correlation – Methods -Karl Pearson's Coefficient of Correlation –- Spearman's Rank Correlation – Regression Equations – Distinction between Correlation and Regression Analysis.	**15**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	Cos	K Level	Section A MCQs		Section B Either or Choice	Section C Either or Choice
			No. of. Questions	K - Level		
CI AI	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
CI AII	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K3)
	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K4)
Question Pattern CIA I & II		No. of Questions to be asked	4		4	4
		No. of Questions to be answered	4		2	2
		Marks for each question	1		5	8
		Total Marks for each section	4		10	16

Distribution of Marks with K Level CIA I & CIA II

	K Level	Section A (Multiple Choice Questions)	Section B (Either / Or Choice)	Section C (Either / Or Choice)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	2			2	3.57	25
	K2	2	10		12	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100
CIA II	K1	2			2	3.57	25
	K2	2	10		2	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)						
S. No	COs	K - Level	Section A (MCQs)		Section B (Either / or Choice) With K - LEVEL	Section C (Either / or Choice) With K - LEVEL
			No. of Questions	K – Level		
1	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
2	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
3	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
4	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
5	CO5	K1 – K4	2	K1,K2	2 (K3,K3)	2 (K3,K3)
No. of Questions to be Asked			10		10	10
No. of Questions to be answered			10		5	8
Marks for each question			1		5	5
Total Marks for each section			10		25	40
(Figures in parenthesis denotes, questions should be asked with the given K level)						

Distribution of Marks with K Level						
K Level	Section A (Multiple Choice Questions)	Section B (Either or Choice	Section C (Either/ or Choice)	Total Marks	% of (Marks without choice)	Consolidated %
K1	2			2	2	48
K2	2	30	32	64	46	
K3	2	20	32	54	39	39
K4	2		16	18	13	13
Marks	10	50	80	140	100	100
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.						

Summative Examinations - Question Paper – Format

Q. No.	Unit	CO	K-level		
Answer **ALL** the questions				**PART – A**	**(10 x 1 = 10 Marks)**
1.	**Unit - I**	**CO1**	**K-1**		
				a)	b)
				c)	d)
2.	**Unit - I**	**CO1**	**K-2**		
				a)	b)
				c)	d)
3.	**Unit - II**	**CO2**	**K-1**		
				a)	b)
				c)	d)
4.	**Unit - II**	**CO2**	**K-2**		
				a)	b)
				c)	d)
5.	**Unit - III**	**CO3**	**K-1**		
				a)	b)
				c)	d)
6.	**Unit - III**	**CO3**	**K-2**		
				a)	b)
				c)	d)
7.	**Unit - IV**	**CO4**	**K-1**		
				a)	b)
				c)	d)
8.	**Unit - IV**	**CO4**	**K-2**		
				a)	b)
				c)	d)
9.	**Unit - V**	**CO5**	**K-1**		
				a)	b)
				c)	d)
10.	**Unit - V**	**CO5**	**K-2**		
				a)	b)
				c)	d)

Answer **ALL** the questions		**PART – B**		**(5 x 5 = 25 Marks)**
11. a)	**Unit - I**	**CO1**	**K-2**	
		OR		
11. b)	**Unit - I**	**CO1**	**K-2**	
12. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
12. b)	**Unit - II**	**CO2**	**K-2**	
13. a)	**Unit - III**	**CO3**	**K-3**	
		OR		
13. b)	**Unit - III**	**CO3**	**K-3**	
14. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
14. b)	**Unit - IV**	**CO4**	**K-2**	
15. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
15. b)	**Unit - V**	**CO5**	**K-3**	

Answer **ALL** the questions		**PART – C**		**(5 x 8 = 40 Marks)**
16. a)	**Unit - I**	**CO1**	**K-3**	
		OR		
16. b)	**Unit - I**	**CO1**	**K-3**	
17. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
17. b)	**Unit - II**	**CO2**	**K-2**	
18. a)	**Unit - III**	**CO3**	**K-4**	
		OR		
18. b)	**Unit - III**	**CO3**	**K-4**	
19. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
19. b)	**Unit - IV**	**CO4**	**K-2**	
20. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
20. b)	**Unit - V**	**CO5**	**K-3**	

Course Name	FUNDAMENTALS OF MANAGEMENT			
Course Code	23UECEC11	L	P	C
Category	ELECTIVE - I	4	-	3

COURSE OBJECTIVES:

- To provide students with the basic concepts of Management.
- To probe the planning concepts and its objectives
- To analyze the Organizational Levels in an Organization
- To describes the motivation and satisfaction and its elements
- To know the importance of Quality Checks.

UNIT - I Introduction **15**

Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager.

UNIT - II Planning **15**

Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making.

UNIT - III Organizational Levels **15**

Types of Business Organizations – Structure- Span of Control – Departmentalisation-Selection, Training and Development, Performance Management, Career Planning ,and Management.

UNIT - IV Directing **15**

Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity.

UNIT - V Controlling **15**

Process of Controlling – Types of Control – Budgetary and non-budgetary, Control Techniques – Managing Productivity – Cost Control – Purchase Control –Maintenance Control – Quality Control – Planning Operations.

Total Lecture Hours **75**

BOOKS FOR STUDY:

- Stephen A. Robbins & David A. Decenzo & Mary Coulter,(2011) "Fundamentals of Management" 7th Edition, Pearson Education.
- Tripathy PC & Reddy PN,(1999) "Principles of Management", Tata McGraw Hill.
- Pillai R.S.N and Kala .S (2013) Principles And Practice Of Management S.Chand& Co andCompany.
- Ricky Griffin, "Fundamentals of Management", Cengage Learning, (2016).
- Pardeep Kumar and Amanjot Sachdeva, "Fundamentals of Management",S. Chand Publishing, (2012)

BOOKS FOR REFERENCES:

- Dr. C.B. Gupta and Dr. Shruti Mathur (2022) Management Principles and Applications, Scholar Tech Press.
- Neeru Vasisth and Vibhuti Vasishth(2019)Principles of Management Text & Cases ,Taxman Publication.
- R.C Bhatiya, "Fundamentals of Management", S.K Kataria &Sons, 2013
- L.M Prasad, "Principles and Practice of Management,2021
- Dr.N.Mishra and Dr.O.P.Gupta, "Fundamentals of Management", SBPD Publishing House, 2022.

WEB RESOURCES:

- **http://www.mim.ac.mw/books/Fundamentals%20of%20Management.pdf**
- **https://theintactone.com/2019/09/18/fom-u1-topic-1-fundamentals-of-management-introduction-and-concepts/**
- **https://rccmindore.com/wp-content/uploads/2015/06/Fundamentals-of-Management.pdf**
- **https://in.sagepub.com/en-in/sas/journal-of-management/journal201724**
- **https://www.managementstudyhq.com/evolution-management-thought-theories.html**

Nature of Course	EMPLOYABILITY		SKILL ORIENTED		ENTREPRENEURSHIP	✓				
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓		
Changes Made in the Course	Percentage of Change		No Changes Made		New Course	✓				
*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**										

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	Understand the foundations and importance of Management.	K1 to K4
CO2	Demonstrate an understanding of Planning	K1 to K4
CO3	Analyze the organizational levels and Process of selection	K1 to K4
CO4	Discuss the relevance of Organizational Culture	K1 to K4
CO5	Examine the importance of quality control	K1 to K4

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	2	3	3	3
CO5	3	2	3	2	3	2	3	3
Weightage	15	14	15	14	14	14	15	15
Weighted percentage of course	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

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	2	2
CO 2	3	3	3	2	3
CO 3	3	3	3	2	3
CO 4	3	3	2	2	2
CO 5	3	3	3	3	3
WEITAGE	15	15	14	11	13
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	3	2.8	2.2	2.6

LESSON PLAN:

UNIT	COURSE NAME	HRS	PEDAGOGY
I	Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager	15	Chak & Talk, Lecture Method, PPT

II	Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making.	**15**	**Chak & Talk, Lecture Method,PPT,Group Discussion, Debate**
III	Types of Business Organizations – Structure- Span of Control – Departmentalization-Selection, Training and Development, Performance Management, Career Planning, and Management.	**15**	**Chak & Talk, Lecture Method, PPT,Group Discussion, Debate**
IV	Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity.	**15**	**Chak & Talk, Lecture Method, PPT, Group Discussion, Brain Stroming, Lectures**
V	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**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	Cos	K Level	Section A		Section B Either or Choice	Section C Either or Choice
			MCQs			
			No. of. Questions	K - Level		
CI AI	CO1	K1 – K4	2	K1	2 (K2,K2)	2 (K3,K3)
	CO2	K1 – K4	2	K2	2 (K3,K3)	2 (K4,K4)
CI AII	CO3	K1 – K4	2	K1	2 (K2,K2)	2 (K3,K3)
	CO4	K1 – K4	2	K2	2 (K3,K3)	2 (K4,K4)
Question Pattern CIA I & II		No. of Questions to be asked	4		4	4
		No. of Questions to be answered	4		2	2
		Marks for each question	1		5	8
		Total Marks for each section	4		10	16

Distribution of Marks with K Level CIA I & CIA II							
	K Level	Section A (Multiple Choice Questions)	Section B (Either / Or Choice)	Section C (Either / Or Choice)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	2			2	3.57	25
	K2	2	10		12	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100
CIA II	K1	2			2	3.57	25
	K2	2	10		2	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)						
S. No	COs	K - Level	Section A (MCQs)		Section B (Either / or Choice) With K - LEVEL	Section C (Either / or Choice) With K - LEVEL
			No. of Questions	K – Level		
1	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
2	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
3	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
4	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
5	CO5	K1 – K4	2	K1,K2	2 (K3,K3)	2 (K3,K3)
No. of Questions to be Asked			10		10	10
No. of Questions to be answered			10		5	8
Marks for each question			1		5	5
Total Marks for each section			10		25	40
(Figures in parenthesis denotes, questions should be asked with the given K level)						

Distribution of Marks with K Level						
K Level	**Section A (Multiple Choice Questions)**	**Section B (Either or Choice**	**Section C (Either/ or Choice)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	**2**			**2**	**2**	**48**
K2	**2**	**30**	**32**	**64**	**46**	
K3	**2**	**20**	**32**	**54**	**39**	**39**
K4	**2**		**16**	**18**	**13**	**13**
Marks	**10**	**50**	**80**	**140**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.						

Summative Examinations - Question Paper – Format

Q. No.	**Unit**	**CO**	**K-level**		
Answer **ALL** the questions			**PART – A**		**(10 x 1 = 10 Marks)**
1.	**Unit - I**	**CO1**	**K-1**		
				a)	b)
				c)	d)
2.	**Unit - I**	**CO1**	**K-2**		
				a)	b)
				c)	d)
3.	**Unit - II**	**CO2**	**K-1**		
				a)	b)
				c)	d)
4.	**Unit - II**	**CO2**	**K-2**		
				a)	b)
				c)	d)
5.	**Unit - III**	**CO3**	**K-1**		
				a)	b)
				c)	d)
6.	**Unit - III**	**CO3**	**K-2**		
				a)	b)
				c)	d)
7.	**Unit - IV**	**CO4**	**K-1**		
				a)	b)
				c)	d)
8.	**Unit - IV**	**CO4**	**K-2**		
				a)	b)
				c)	d)
9.	**Unit - V**	**CO5**	**K-1**		
				a)	b)
				c)	d)
10.	**Unit - V**	**CO5**	**K-2**		
				a)	b)
				c)	d)

Answer **ALL** the questions		**PART – B**		**(5 x 5 = 25 Marks)**
11. a)	**Unit - I**	**CO1**	**K-2**	
		OR		
11. b)	**Unit - I**	**CO1**	**K-2**	
12. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
12. b)	**Unit - II**	**CO2**	**K-2**	
13. a)	**Unit - III**	**CO3**	**K-3**	
		OR		
13. b)	**Unit - III**	**CO3**	**K-3**	
14. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
14. b)	**Unit - IV**	**CO4**	**K-2**	
15. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
15. b)	**Unit - V**	**CO5**	**K-3**	

Answer **ALL** the questions		**PART – C**		**(5 x 8 = 40 Marks)**
16. a)	**Unit - I**	**CO1**	**K-3**	
		OR		
16. b)	**Unit - I**	**CO1**	**K-3**	
17. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
17. b)	**Unit - II**	**CO2**	**K-2**	
18. a)	**Unit - III**	**CO3**	**K-4**	
		OR		
18. b)	**Unit - III**	**CO3**	**K-4**	
19. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
19. b)	**Unit - IV**	**CO4**	**K-2**	
20. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
20. b)	**Unit - V**	**CO5**	**K-3**	

Course Name	DEMOGRAPHY			
Course Code	23UECNM11	**L**	**P**	**C**
Category	NON MAJOR ELECTIVE	2	-	2

COURSE OBJECTIVES:

- To understand the meaning and scope of demography
- To discuss the basic concepts of demographic measurements.
- To describes the concepts of urbanization and migration
- To evaluate the international aspects of population growth and its environment
- To analyze the trends in population policy in India

UNIT - I Introduction **12**

Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.

UNIT - II Birth Rate, Death Rate and Fertility **12**

Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India – Temporal an 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 – Ne Reproduction Rate.

UNIT - III Migration and Urbanization **12**

Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.

UNIT - IV Population Trends **12**

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.

UNIT - V Population Policy in India **12**

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.

Total Lecture Hours **60**

BOOKS FOR STUDY:

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

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

- **https://data.worldbank.org/indicator/SP.POP.TOTL**
- **https://www.iom.int/**
- **https://censusindia.gov.in**
- **https://www.nationalgeographic.org/encyclopedia/demography/**
- **https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/**

Nature of Course	EMPLOYABILITY		SKILL ORIENTED	✓	ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL	✓	GLOBAL	
Changes Made in the Course	Percentage of Change		No Changes Made		New Course	✓		

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	Describe the various theories of Population Growth	K1 to K2
CO2	Understand Demographic Indicators	K1 to K2
CO3	Assess the causes and impact of Migration on rural-urban population distribution	K1 to K2
CO4	Analyse the major demographic trends and their determinants	K1 to K2
CO5	Evaluate Population Policy of India and analyse recent trends.	K1 to K2

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	2	3	2	3
CO5	3	3	3	2	3	2	3	3
Weightage	15	14	15	14	14	15	14	15
Weighted percentage of course	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

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	2	2
CO 2	3	3	3	2	2
CO 3	3	3	3	3	3
CO 4	3	2	2	3	3
CO 5	3	3	3	3	3
WEITAGE	15	14	14	13	13
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	2.8	2.8	2.6	2.6

LESSON PLAN:

UNIT	COURSE NAME	HRS	PEDAGOGY
I	Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.	12	Chak & Talk, Lecture Method, PPT

II	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	**12**	**Chak & Talk, Lecture Method,PPT,Group Discussion, Debate**
III	Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.	**12**	**Chak & Talk, Lecture Method, PPT,Group Discussion, Debate**
IV	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.	**12**	**Chak & Talk, Lecture Method, PPT, Group Discussion, Brain Stroming, Lectures**
V	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.	**12**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	Cos	K Level	Section A	
			MCQs	
			No. of. Questions	K - Level
CI AI	CO1	K1 – K2	25	K1,K2
	CO2	K1 – K2	25	K1,K2
CI AII	CO3	K1 – K2	25	K1,K2
	CO4	K1 – K2	25	K1,K2
Question Pattern CIA I & II		No. of Questions to be asked	50	
		No. of Questions to be answered	50	
		Marks for each question	1	
		Total Marks for each section	50	

* Two Formative examinations will be conducted as a part of Continuous Internal Assessment under which, 50 MCQ's will be asked [50X1=50 marks] from any 4 CO's. (Ist Test-2 CO's & IInd Test-2 CO's) in equal weightage

Distribution of Marks with K Level CIA I & CIA II					
	K Level	Section A (Multiple Choice Questions)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	30	30	60	100
	K2	20	20	40	
	K3				
	K4				
	Marks	50	50	100	100
CIA II	K1	30	30	60	100
	K2	20	20	40	
	K3				
	K4				
	Marks	50	50	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)				
S. No	COs	K - Level	Section A (MCQs)	
			No. of Questions	K – Level
1	CO1	K1-K2	15	K1,K2
2	CO2	K1-K2	15	K1,K2
3	CO3	K1-K2	15	K1,K2
4	CO4	K1-K2	15	K1,K2
5	CO5	K1-K2	15	K1,K2
No. of Questions to be Asked			75	
No. of Questions to be answered			75	
Marks for each question			1	
Total Marks for each section			75	
(Figures in parenthesis denotes, questions should be asked with the given K level)				

In summative examinations, 75 MCQ's will be asked [75X1=75 marks] from all 5 CO's in equal weightage.

Distribution of Marks with K Level				
K Level	**Section A (Multiple Choice Questions)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	**40**	**40**	**53**	**100**
K2	**35**	**35**	**47**	
K3				
K4				
Marks		**75**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.				

Course Name	BUSINESS COMMUNICATION			
Course Code	23UECFC11	**L**	**P**	**C**
Category	SKILL	2	-	2

COURSE OBJECTIVES:

- To know the meaning objectives and role of communication and media
- To understand the need and importance of communication in management
- To apply the need and function of business letter
- To study the business correspondents with insurance and other organisation
- To understand the meaning and importance of report writing

UNIT - I Communication **12**

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.

UNIT - II Communication in Management **12**

Management and Communication: Need and Importance of Communication in Management – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization

UNIT - III Business Letters **12**

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.

UNIT - IV Correspondence **12**

Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence.

UNIT - V Report Writing **12**

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.

Total Lecture Hours **60**

BOOKS FOR STUDY:

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

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

- **https://www.managementstudyguide.com/business_communication.htm**
- **https://studiousguy.com/business-communication/**
- **https://www.indeed.com/career-advice/resumes-cover-letters/businesscommunication-skills**
- **https://www.softskillsaha.com/what-is-meaning-of-business-communicationskills.php**
- **https://www.mindtools.com/page8.htm**

Nature of Course	EMPLOYABILITY			SKILL ORIENTED		✓	ENTREPRENEURSHIP				
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		✓	GLOBAL			
Changes Made in the Course	Percentage of Change			No Changes Made			New Course		✓		

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		**K LEVEL**
After studying this course, the students will be able to:		
CO1	Understand the basics of communication and its Process, Elements, and its importance.	**K1 to K2**
CO2	Acquire communication skills.	**K1 to K2**
CO3	Employ the art of report preparation and writing Business Letters	**K1 to K2**
CO4	Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern.	**K1 to K2**
CO5	Employ the art of report preparation	**K1 to K2**

MAPPING WITH PROGRAM OUTCOMES:										
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	2	3		
CO5	3	3	3	2	3	2	3	3		
S- STRONG				M – MEDIUM					L - LOW	

CO / PO MAPPING:					
COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	2	3	2	3	3
CO 2	2	2	3	3	3
CO 3	3	2	2	3	3
CO 4	2	2	3	2	2
CO 5	2	2	3	3	3
WEITAGE	11	11	13	14	14
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	2.2	2.2	2.6	2.8	2.8

LESSON PLAN:

UNIT	BUSINESS COMMUNICATION	HRS	PEDAGOGY
I	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.	12	Chak & Talk, Lecture Method, PPT
II	Management and Communication: Need and Importance of Communication in Management – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization	12	Chak & Talk, Lecture Method, PPT, Group Discussion, Debate
III	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	12	Chak & Talk, Lecture,Debate
IV	Correspondence: Bank Correspondence - Insurance Correspondence –	12	Chak &

	Agency Correspondence - Import-Export Correspondenc		**Talk, Lecture Method, PPT,**
V	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**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE) Formative Examination - Blue Print Articulation Mapping – K Levels with Course Outcomes (COs)				
Internal	**Cos**	**K Level**	**Section A**	
			MCQs	
			No. of. Questions	**K - Level**
CI AI	**CO1**	**K1 – K2**	**25**	**K1,K2**
	CO2	**K1 – K2**	**25**	**K1,K2**
CI AII	**CO3**	**K1 – K2**	**25**	**K1,K2**
	CO4	**K1 – K2**	**25**	**K1,K2**
Question Pattern CIA I & II		**No. of Questions to be asked**	**50**	
		No. of Questions to be answered	**50**	
		Marks for each question	**1**	
		Total Marks for each section	**50**	

* Two Formative examinations will be conducted as a part of Continuous Internal Assessment under which, 50 MCQ's will be asked [50X1=50 marks] from any 4 CO's. (Ist Test-2 CO's & IInd Test-2 CO's) in equal weightage

Distribution of Marks with K Level CIA I & CIA II					
	K Level	Section A (Multiple Choice Questions)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	30	30	60	100
	K2	20	20	40	
	K3				
	K4				
	Marks	50	50	100	100
CIA II	K1	30	30	60	100
	K2	20	20	40	
	K3				
	K4				
	Marks	50	50	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)				
S. No	COs	K - Level	Section A (MCQs)	
			No. of Questions	K – Level
1	CO1	K1-K2	15	K1,K2
2	CO2	K1-K2	15	K1,K2
3	CO3	K1-K2	15	K1,K2
4	CO4	K1-K2	15	K1,K2
5	CO5	K1-K2	15	K1,K2
No. of Questions to be Asked			75	
No. of Questions to be answered			75	
Marks for each question			1	
Total Marks for each section			75	
(Figures in parenthesis denotes, questions should be asked with the given K level)				

Distribution of Marks with K Level				
K Level	**Section A (Multiple Choice Questions)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	**40**	**40**	**53**	**100**
K2	**35**	**35**	**47**	
K3				
K4				
Marks		**75**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.				

SECOND SEMESTER

Course Name	MICRO ECONOMICS - II			
Course Code	23UECCC21	**L**	**P**	**C**
Category	CORE - III	5	-	5

COURSE OBJECTIVES:

- To equip the students to gain knowledge on the market structures
- To analyse the monopoly and price discrimination in the market
- To probe the monopolistic and oligopoly competitions and its operation
- To enrich the students about the Theories of Distribution
- To understand the concepts of Welfare Economics

UNIT - I Perfect Competition **14**

Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition- Time Element Analysis

UNIT - II MONOPOLY AND PRICE DISCRIMINATION **15**

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.

UNIT - III Monopolistic and Oligopoly Competition **16**

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.

UNIT - IV Distribution Theory **14**

Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.

UNIT - V **16**

Welfare Economics and General Equilibrium Welfare Criteria – Adam Smith – Edgeworth – Pareto - Kaldor – Market Failure – Externalities – Walrasian General Equilibrium – Static Properties for Consumption, Production, and Distribution.

Total Lecture Hours **75**

BOOKS FOR STUDY:

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

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

- **https://open.umn.edu/opentextbooks/subjects/economics**
- **https://global.oup.com**
- **https://www.economicsnetwork.ac.uk**
- **https://edge.sagepub.com/sextonmicro8e**
- **https://www.aeaweb.org/resources/students**

Nature of Course	EMPLOYABILITY		SKILL ORIENTED	✓	ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓
Changes Made in the Course	Percentage of Change		No Changes Made	✓	New Course			

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	Understand the equilibrium conditions in Perfect Competition.	K1 to K4
CO2	Analyze the equilibrium conditions under Monopoly Market Structure.	K1 to K4
CO3	Describe the Market Equilibrium under Monopolistic and Oligopoly Market.	K1 to K4
CO4	Know the importance of theories of Distribution	K1 to K4
CO5	Evaluate the aspects of Welfare Economics and General Equilibrium	K1 to K4

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	2	3		
CO5	2	3	2	3	3	2	3	3		

S- STRONG M – MEDIUM L - LOW

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	3	2
CO 2	3	3	3	2	2
CO 3	3	3	3	2	3
CO 4	3	3	3	2	2
CO 5	3	3	3	3	3
WEITAGE	15	15	15	12	12
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	3	3	2.4	2.4

LESSON PLAN:

UNIT	MICRO ECONOMICS-II	HRS	PEDAGOGY
I	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	Chalk &talk,ppt
II	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	Chalk &Talk,ppt, Discussion
III	Monopolistic Competition–Features– Product Differentiation–Market	16	Chalk

	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		**&Talk, Exercise**
IV	Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.	**14**	**Chalk &Talk,ppt,**
V	Welfare Criteria – Adam Smith – Edgeworth – Pareto - Kaldor – Market Failure – Externalities – Walrasian General Equilibrium – Static Properties for Consumption, Production, and Distribution.	**16**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	Cos	K Level	Section A		Section B Either or Choice	Section C Either or Choice
			MCQs			
			No. of. Questions	K - Level		
CI AI	CO1	K1 – K4	2	K1	2 (K2, K2)	2 (K3,K3)
	CO2	K1 – K4	2	K2	2 (K3,K3)	2 (K4,K4)
CI AII	CO3	K1 – K4	2	K1	2 (K2,K2)	2 (K3,K3)
	CO4	K1 – K4	2	K2	2 (K3,K3)	2 (K4,K4)
Question Pattern CIA I & II		No. of Questions to be asked	4		4	4
		No. of Questions to be answered	4		2	2
		Marks for each question	1		5	8
		Total Marks for each section	4		10	16

Distribution of Marks with K Level CIA I & CIA II							
	K Level	Section A (Multiple Choice Questions)	Section B (Either / Or Choice)	Section C (Either / Or Choice)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	2			2	3.57	25
	K2	2	10		12	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100
CIA II	K1	2			2	3.57	25
	K2	2	10		2	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)						
S. No	COs	K - Level	Section A (MCQs)		Section B (Either / or Choice) With K - LEVEL	Section C (Either / or Choice) With K - LEVEL
			No. of Questions	K – Level		
1	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
2	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
3	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
4	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
5	CO5	K1 – K4	2	K1,K2	2 (K3,K3)	2 (K3,K3)
No. of Questions to be Asked			10		10	10
No. of Questions to be answered			10		5	8
Marks for each question			1		5	5
Total Marks for each section			10		25	40
(Figures in parenthesis denotes, questions should be asked with the given K level)						

Distribution of Marks with K Level						
K Level	**Section A (Multiple Choice Questions)**	**Section B (Either or Choice**	**Section C (Either/ or Choice)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	2			2	**2**	**48**
K2	2	30	32	64	**46**	
K3	2	20	32	54	**39**	**39**
K4	2		16	18	**13**	**13**
Marks	**10**	**50**	**80**	**140**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.						

Summative Examinations - Question Paper – Format

Q. No.	**Unit**	**CO**	**K-level**		
Answer **ALL** the questions				**PART – A**	**(10 x 1 = 10 Marks)**
1.	**Unit - I**	**CO1**	**K-1**		
				a)	b)
				c)	d)
2.	**Unit - I**	**CO1**	**K-2**		
				a)	b)
				c)	d)
3.	**Unit - II**	**CO2**	**K-1**		
				a)	b)
				c)	d)
4.	**Unit - II**	**CO2**	**K-2**		
				a)	b)
				c)	d)
5.	**Unit - III**	**CO3**	**K-1**		
				a)	b)
				c)	d)
6.	**Unit - III**	**CO3**	**K-2**		
				a)	b)
				c)	d)
7.	**Unit - IV**	**CO4**	**K-1**		
				a)	b)
				c)	d)
8.	**Unit - IV**	**CO4**	**K-2**		
				a)	b)
				c)	d)
9.	**Unit - V**	**CO5**	**K-1**		
				a)	b)
				c)	d)
10.	**Unit - V**	**CO5**	**K-2**		
				a)	b)
				c)	d)

Answer **ALL** the questions		**PART – B**		**(5 x 5 = 25 Marks)**
11. a)	**Unit - I**	**CO1**	**K-2**	
		OR		
11. b)	**Unit - I**	**CO1**	**K-2**	
12. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
12. b)	**Unit - II**	**CO2**	**K-2**	
13. a)	**Unit - III**	**CO3**	**K-3**	
		OR		
13. b)	**Unit - III**	**CO3**	**K-3**	
14. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
14. b)	**Unit - IV**	**CO4**	**K-2**	
15. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
15. b)	**Unit - V**	**CO5**	**K-3**	

Answer **ALL** the questions		**PART – C**		**(5 x 8 = 40 Marks)**
16. a)	**Unit - I**	**CO1**	**K-3**	
		OR		
16. b)	**Unit - I**	**CO1**	**K-3**	
17. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
17. b)	**Unit - II**	**CO2**	**K-2**	
18. a)	**Unit - III**	**CO3**	**K-4**	
		OR		
18. b)	**Unit - III**	**CO3**	**K-4**	
19. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
19. b)	**Unit - IV**	**CO4**	**K-2**	
20. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
20. b)	**Unit - V**	**CO5**	**K-3**	

Course Name	STATISTICS FOR ECONOMICS - II			
Course Code	23UECCC22	**L**	**P**	**C**
Category	CORE - IV	5	-	5

COURSE OBJECTIVES:

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

UNIT - I Index Numbers	**15**
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.	
UNIT - II TIME SERIES ANALYSIS	**15**
Definition– Components and Measurement– Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares – Uses of Time Series Analysis.	
UNIT - III Theory of Probability	**15**
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.	
UNIT - IV Sampling	**15**
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 NonSampling Errors.	
UNIT - V Testing of Hypothesis	**15**
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	
Total Lecture Hours	**75**

BOOKS FOR STUDY:

- S.P Gupta, (2017) "Statistical Methods", Sultan Chand & Sons.
- Anderson, Sweeney and Williams(2012), "Statistics for Business and Economics Cengage,2012.
- Pillai R.S.N. &BagavathiV (2012) "Statistics :Theory and Practice" S.Chand&CompanyLtd. New Delhi.
- 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.
- Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

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

Nature of Course	EMPLOYABILITY			SKILL ORIENTED	✓		ENTREPRENEURSHIP					
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL			GLOBAL	✓			
Changes Made in the Course	Percentage of Change			No Changes Made	✓		New Course					

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	Gain Knowledge on the Index Numbers	K1 to K4
CO2	Analyze the importance of Time Series Data and its measurement	K1 to K4
CO3	Analyze the importance of Time Series Data and its measurement	K1 to K4
CO4	Identify the various Sampling Methods	K1 to K4
CO5	Acquire Knowledge on Hypothesis Testing	K1 to K4

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	2	3		
CO5	3	2	2	2	3	2	3	3		

S- STRONG M – MEDIUM L - LOW

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
WEITAGE	15	15	15	15	15
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	3	3	3	3

LESSON PLAN:

UNIT	STATISTICS FOR ECONOMICS-II	HRS	PEDAGOGY
I	Index Numbers Index Numbers – Methods – Unweighted and Weighted Index Numbers – Aggregate and Relative Index Numbers – Chain and Fixed based Index Numbers – Test of Adequacy of Index Numbers – Wholesale Price Index – Consumer Price Index – Cost of Living Index.	15	Chalk &talk, PPT
II	Time Series Analysis Definition– Components and Measurement– Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares – Uses of Time Series Analysis.	15	Chalk &Talk
III	Theory of Probability key Concepts of Probability – Importance –	15	Chalk &Talk

	Theorems of Probability: Addition, Multiplication and Bayes' Theorem - Discrete and Continuous Random Variables – Theoretical Distributions – Binomial, Poisson and Normal – Properties- Uses and Applications.		
IV	Sampling Sampling – Census and Sample Method – Theoretical Basis of Sampling – Methods of sampling – Random and Non –Random Sampling - Size of Sample – Merits and Limitations of Sampling – Sampling and Non-Sampling Errors	**15**	**Chalk & Talk, PPT,**
V	Testing of Hypothesis Hypothesis Testing – Meaning, Types, Sources and Functions of Hypothesis – Test: Null and Alternative Hypothesis – Type – I and Type – II Errors– 't' Test – Paired 't'-test – Chi –Square test, 'F' test –Analysis of Variance - One way and Two-way ANOVA	**15**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	Cos	K Level	Section A		Section B Either or Choice	Section C Either or Choice
			MCQs			
			No. of. Questions	K - Level		
CI AI	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
CI AII	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
Question Pattern CIA I & II		No. of Questions to be asked	4		4	4
		No. of Questions to be answered	4		2	2
		Marks for each question	1		5	8
		Total Marks for each section	4		10	16

Distribution of Marks with K Level CIA I & CIA II							
	K Level	Section A (Multiple Choice Questions)	Section B (Either / Or Choice)	Section C (Either / Or Choice)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	2			2	3.57	25
	K2	2	10		12	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100
CIA II	K1	2			2	3.57	25
	K2	2	10		2	21.43	
	K3		10	16	26	46	46
	K4			16	16	29	29
	Marks	4	20	32	56	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)						
S. No	COs	K - Level	Section A (MCQs)		Section B (Either / or Choice) With K - LEVEL	Section C (Either / or Choice) With K - LEVEL
			No. of Questions	K – Level		
1	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
2	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
3	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
4	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
5	CO5	K1 – K4	2	K1,K2	2 (K3,K3)	2 (K3,K3)
No. of Questions to be Asked			10		10	10
No. of Questions to be answered			10		5	8
Marks for each question			1		5	5
Total Marks for each section			10		25	40
(Figures in parenthesis denotes, questions should be asked with the given K level)						

Distribution of Marks with K Level						
K Level	**Section A (Multiple Choice Questions)**	**Section B (Either or Choice**	**Section C (Either/ or Choice)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	**2**			**2**	**2**	**48**
K2	**2**	**30**	**32**	**64**	**46**	
K3	**2**	**20**	**32**	**54**	**39**	**39**
K4	**2**		**16**	**18**	**13**	**13**
Marks	**10**	**50**	**80**	**140**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.						

Summative Examinations - Question Paper – Format

Q. No.	**Unit**	**CO**	**K-level**		
Answer **ALL** the questions				**PART – A**	**(10 x 1 = 10 Marks)**
1.	**Unit - I**	**CO1**	**K-1**		
				a)	b)
				c)	d)
2.	**Unit - I**	**CO1**	**K-2**		
				a)	b)
				c)	d)
3.	**Unit - II**	**CO2**	**K-1**		
				a)	b)
				c)	d)
4.	**Unit - II**	**CO2**	**K-2**		
				a)	b)
				c)	d)
5.	**Unit - III**	**CO3**	**K-1**		
				a)	b)
				c)	d)
6.	**Unit - III**	**CO3**	**K-2**		
				a)	b)
				c)	d)
7.	**Unit - IV**	**CO4**	**K-1**		
				a)	b)
				c)	d)
8.	**Unit - IV**	**CO4**	**K-2**		
				a)	b)
				c)	d)
9.	**Unit - V**	**CO5**	**K-1**		
				a)	b)
				c)	d)
10.	**Unit - V**	**CO5**	**K-2**		
				a)	b)
				c)	d)

Answer **ALL** the questions		**PART – B**		**(5 x 5 = 25 Marks)**
11. a)	**Unit - I**	**CO1**	**K-2**	
		OR		
11. b)	**Unit - I**	**CO1**	**K-2**	
12. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
12. b)	**Unit - II**	**CO2**	**K-2**	
13. a)	**Unit - III**	**CO3**	**K-3**	
		OR		
13. b)	**Unit - III**	**CO3**	**K-3**	
14. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
14. b)	**Unit - IV**	**CO4**	**K-2**	
15. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
15. b)	**Unit - V**	**CO5**	**K-3**	

Answer **ALL** the questions		**PART – C**		**(5 x 8 = 40 Marks)**
16. a)	**Unit - I**	**CO1**	**K-3**	
		OR		
16. b)	**Unit - I**	**CO1**	**K-3**	
17. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
17. b)	**Unit - II**	**CO2**	**K-2**	
18. a)	**Unit - III**	**CO3**	**K-4**	
		OR		
18. b)	**Unit - III**	**CO3**	**K-4**	
19. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
19. b)	**Unit - IV**	**CO4**	**K-2**	
20. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
20. b)	**Unit - V**	**CO5**	**K-3**	

Course Name	HISTORY OF ECONOMIC THOUGHT			
Course Code	23UECEC21	**L**	**P**	**C**
Category	GENERIC ELECTIVE - II	4	-	3

COURSE OBJECTIVES:

- To explain the nature and scope of economic thought and its principles
- To understand the classical economists ideology and theory of Marx
- To know the Kenesian revolution and its analysis
- To build the Marginalism Revolution and its operations
- To describes the thoughts of various Nobel laureates in economics

UNIT - I Pre-Classical Thought **18**

Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important MercantilistsPhysiocracy - Main concepts - Important Physiocrats.

UNIT - II Classical Economists and Karl Marx **15**

Adam Smith- Division of Labour- Theory of Value- Laissez FaireCanons 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.

UNIT - III Neo-Classical and Institutionalist Thought **15**

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.

UNIT - IV Keynesian Revolution and Modern Thought **12**

Keynes – Psychological law of Consumption- Effective DemandTheory of Employment-- Schumpeter's Theory of Innovation - Hicks theory of Trade Cycle- New Keynesian Economics- New classical Economics –Rational Expectation Hypothesis.

UNIT - V Nobel Laureates in Economics and Indian Economic Thought **15**

Nobel Laureates in Economics – Paul A Samuelson – Kuznets – Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three Years)- Indian Economic Thought – DadabhaiNaorojiMahatma Gandhi-B.R. Ambedkar – Amartya Sen – Sen's Capability Approach –Poverty and Inequality

Total Lecture Hours **75**

BOOKS FOR STUDY:

- Lokanathan, V, History of Economic Thought, S Chand & Co Ltd.
- Bhatia, H.L. (2018), History of Economic Thought, S Chand & Co Ltd.
- SrivastavaS.K (2002) History of Economic Thought, S.Chand Publication.
- M.L Jhingan ,M.Girija , L.Sasikala "History of Economic Thought" 3rd Edition, Virnda Publication 2014.
- R.R.Paul "History of Economic Thought" ,Kalyani Publisher,2018

BOOKS FOR REFERENCES:

- Amartya Sen (1982), Welfare and Measurement, Oxford University Press, New Delhi.
- Gandhi, M.K. (1938), Economics of Village Industries, Navjivan Publishers, New Delhi.
- T.N.Hajela, (2015), History of Economic Thought Ane Students Edition 18th Edition.
- Gide and Rist,(2014) , A History of Economic Doctrines, Nabu Press.
- V.Lokanathan (2009) "A History of Economic Thought: S.Chand& Co Limited.

WEB RESOURCES:

- **https://www.hetwebsite.net/het/**
- **https://thoughteconomics.com/**
- **https://www.nobelprize/economic-sciences/**
- **https://www.aeaweb.org/resources/students**
- **https://sites.google.com/site/maeconomicsku/home**

Nature of Course	EMPLOYABILITY		SKILL ORIENTED	✓	ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓
Changes Made in the Course	Percentage of Change		No Changes Made	✓	New Course			
*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**								

COURSE OUTCOMES:		**K LEVEL**
After studying this course, the students will be able to:		
CO1	Acquire knowledge on the subject matter of History of Economic Thought.	**K1 to K4**
CO2	Understand the contributions of the Classical Ideas of Economics	**K1 to K4**
CO3	Describe Neo Classical and Institutional Economic Ideas	**K1 to K4**
CO4	Examine the Keynesian School and Modern Economic Ideas	**K1 to K4**
CO5	Understand the contribution of Nobel Laureates and Indian Economic Ideas	**K1 to K4**

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		

CO4	3	3	3	3	2	3	3	3		
CO5	2	2	2	2	3	2	3	3		

S- STRONG **M – MEDIUM** **L - LOW**

CO / PO MAPPING: (TANSCHE)

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	2	2
CO 2	3	3	3	2	2
CO 3	3	3	3	3	3
CO 4	3	3	2	2	2
CO 5	3	3	3	3	3
WEITAGE	15	15	14	12	12
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	3	3	2.8	2.6	2.6

LESSON PLAN:

UNIT	HISTORY OF ECONOMIC THOUGHT	HRS	PEDAGOGY
I	Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important MercantilistsPhysiocracy - Main concepts - Important Physiocrats	18	Chak & Talk, Lecture Method, PPT
II	Adam Smith- Division of Labour- Theory of Value- Laissez FaireCanons 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	Chak & Talk, Lecture Method,PPT, Group Discussion, Debate
III	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	Chak & Talk, Lecture Method, PPT,Group Discussion, Debate
IV	Keynes – Psychological law of Consumption- Effective DemandTheory of Employment-- Schumpeter's Theory of Innovation - Hicks theory of Trade Cycle- New Keynesian Economics- New classical Economics – Rational Expectation Hypothesis	12	Chak & Talk, Lecture Method, PPT, Group Discussion, Brain Stroming, Lectures
V	Nobel Laureates in Economics – Paul A Samuelson – Kuznets – Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three	15	Assignment

	Years)- Indian Economic Thought – DadabhaiNaorojiMahatma Gandhi- B.R. Ambedkar – Amartya Sen – Sen's Capability Approach –Poverty and Inequality		

Learning Outcome Based Education & Assessment (LOBE) Formative Examination - Blue Print Articulation Mapping – K Levels with Course Outcomes (COs)						
Internal	**Cos**	**K Level**	**Section A**		**Section B Either or Choice**	**Section C Either or Choice**
			MCQs			
			No. of. Questions	**K - Level**		
CI AI	**CO1**	**K1 – K4**	2	K1	2 (K2,K2)	2 (K3,K3)
	CO2	**K1 – K4**	2	K2	2 (K3,K3)	2 (K4,K4)
CI AII	**CO3**	**K1 – K4**	2	K1	2 (K2,K2)	2 (K3,K3)
	CO4	**K1 – K4**	2	K2	2 (K3,K3)	2 (K4,K4)
Question Pattern CIA I & II		**No. of Questions to be asked**	4		4	4
		No. of Questions to be answered	4		2	2
		Marks for each question	1		5	8
		Total Marks for each section	4		10	16

Distribution of Marks with K Level CIA I & CIA II							
	K Level	**Section A (Multiple Choice Questions)**	**Section B (Either / Or Choice)**	**Section C (Either / Or Choice)**	**Total Marks**	**% of (Marks without choice)**	**Consolidate of %**
CIA I	**K1**	**2**			**2**	**3.57**	**25**
	K2	**2**	**10**		**12**	**21.43**	
	K3		**10**	**16**	**26**	**46**	**46**
	K4			**16**	**16**	**29**	**29**
	Marks	**4**	**20**	**32**	**56**	**100**	**100**
CIA II	**K1**	**2**			**2**	**3.57**	**25**
	K2	**2**	**10**		**2**	**21.43**	
	K3		**10**	**16**	**26**	**46**	**46**
	K4			**16**	**16**	**29**	**29**
	Marks	**4**	**20**	**32**	**56**	**100**	**100**

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)						
S. No	COs	K - Level	Section A (MCQs)		Section B (Either / or Choice) With K - LEVEL	Section C (Either / or Choice) With K - LEVEL
			No. of Questions	K – Level		
1	CO1	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K3,K3)
2	CO2	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
3	CO3	K1 – K4	2	K1,K2	2 (K.3,K3)	2 (K.4,K4)
4	CO4	K1 – K4	2	K1,K2	2 (K2,K2)	2 (K2,K2)
5	CO5	K1 – K4	2	K1,K2	2 (K3,K3)	2 (K3,K3)
No. of Questions to be Asked			10		10	10
No. of Questions to be answered			10		5	8
Marks for each question			1		5	5
Total Marks for each section			10		25	40
(Figures in parenthesis denotes, questions should be asked with the given K level)						

Distribution of Marks with K Level						
K Level	Section A (Multiple Choice Questions)	Section B (Either or Choice	Section C (Either/ or Choice)	Total Marks	% of (Marks without choice)	Consolidated %
K1	2			2	2	48
K2	2	30	32	64	46	
K3	2	20	32	54	39	39
K4	2		16	18	13	13
Marks	10	50	80	140	100	100
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.						

Summative Examinations - Question Paper – Format

Q. No.	Unit	CO	K-level		
Answer **ALL** the questions				**PART – A**	**(10 x 1 = 10 Marks)**
1.	**Unit - I**	**CO1**	**K-1**		
				a)	b)
				c)	d)
2.	**Unit - I**	**CO1**	**K-2**		
				a)	b)
				c)	d)
3.	**Unit - II**	**CO2**	**K-1**		
				a)	b)
				c)	d)
4.	**Unit - II**	**CO2**	**K-2**		
				a)	b)
				c)	d)
5.	**Unit - III**	**CO3**	**K-1**		
				a)	b)
				c)	d)
6.	**Unit - III**	**CO3**	**K-2**		
				a)	b)
				c)	d)
7.	**Unit - IV**	**CO4**	**K-1**		
				a)	b)
				c)	d)
8.	**Unit - IV**	**CO4**	**K-2**		
				a)	b)
				c)	d)
9.	**Unit - V**	**CO5**	**K-1**		
				a)	b)
				c)	d)
10.	**Unit - V**	**CO5**	**K-2**		
				a)	b)
				c)	d)

Answer **ALL** the questions		**PART – B**		**(5 x 5 = 25 Marks)**
11. a)	**Unit - I**	**CO1**	**K-2**	
		OR		
11. b)	**Unit - I**	**CO1**	**K-2**	
12. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
12. b)	**Unit - II**	**CO2**	**K-2**	
13. a)	**Unit - III**	**CO3**	**K-3**	
		OR		
13. b)	**Unit - III**	**CO3**	**K-3**	
14. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
14. b)	**Unit - IV**	**CO4**	**K-2**	
15. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
15. b)	**Unit - V**	**CO5**	**K-3**	

Answer **ALL** the questions		**PART – C**		**(5 x 8 = 40 Marks)**
16. a)	**Unit - I**	**CO1**	**K-3**	
		OR		
16. b)	**Unit - I**	**CO1**	**K-3**	
17. a)	**Unit - II**	**CO2**	**K-2**	
		OR		
17. b)	**Unit - II**	**CO2**	**K-2**	
18. a)	**Unit - III**	**CO3**	**K-4**	
		OR		
18. b)	**Unit - III**	**CO3**	**K-4**	
19. a)	**Unit - IV**	**CO4**	**K-2**	
		OR		
19. b)	**Unit - IV**	**CO4**	**K-2**	
20. a)	**Unit - V**	**CO5**	**K-3**	
		OR		
20. b)	**Unit - V**	**CO5**	**K-3**	

Course Name	ECONOMICS FOR INVESTORS			
Course Code	23UECNM21	**L**	**P**	**C**
Category	NON -MAJOR ELECTIVE	2	-	2

COURSE OBJECTIVES:

- To understand concepts of saving and investments
- To probe the various investment avenue and its practice applications
- To enables various investment markers and its features
- To Know the economic fundamentals and the Business Environment
- To understand various investment methods and its strategies

UNIT - I Introduction **12**

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.

UNIT - II Investment Avenues **12**

Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment - Insurance -Mutual Funds -Traded Funds.

UNIT - III Investment Markets **12**

Capital Market – Share Market – Primary and Secondary – Bond MarketsMoney Market – Metal Market - Commodities Markets – Foreign Exchange Market - Hedging - Futures and Options

UNIT - IV Economic fundamentals for Investors **14**

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

UNIT - V Investment Methods and Strategies **10**

Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management

Total Lecture Hours **60**

BOOKS FOR STUDY:

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

BOOKS FOR REFERENCES:

- Robert T. Kyosaki,(2014) Guide To Investing Business Plus ISBN: 9780446589161
- BenjamineGraham(1949), The Intelligent Investor, Harper&Brothers
- Mary Buffett and David Clark(2002), The New Buffettology (Simon and Schuster)
- 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
- William J. O' Neil (2009) How to Make Money in Stocks: A Winning System in Good Times and Bad, Fourth Edition McGraw Hill Education

WEB RESOURCES:

- **https://www.capitalmarket.com/**
- **https://www.icmagroup.org/**
- **https://www.nseindia.com**
- **https://www.stockbrokers.com/guides/beginner-investors**
- **https://www.nasdaq.com/articles/10-best-stock-trading-websites-for-beginners**

Nature of Course	EMPLOYABILITY	✓	SKILL ORIENTED		ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓
Changes Made in the Course	Percentage of Change		No Changes Made		New Course	✓		

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		**K LEVEL**
After studying this course, the students will be able to:		
CO1	Describe the types and importance of savings and investments.	**K1 to K2**
CO2	Explain the available for investment avenues	**K1 to K2**
CO3	Understand the operations of different types of investment markets.	**K1 to K2**
CO4	Evaluate the economic fundamentals and information	**K1 to K2**
CO5	Construct objective enabling investment plans, strategy, evaluate and restructure if required	**K1 to K2**

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		

CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	3	3		
CO5	2	2	3	3	3	2	3	3		

S- STRONG **M – MEDIUM** **L - LOW**

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	3	3	3	3	2
CO 2	3	3	3	2	2
CO 3	2	2	3	3	3
CO 4	3	3	2	2	2
CO 5	2	2	3	3	3
WEITAGE	13	13	14	13	12
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	2.6	2.6	2.8	2.6	2.4

LESSON PLAN:

UNIT	ECONOMICS FOR INVESTORS	HRS	PEDAGOGY
I	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	12	Chak & Talk, Lecture Method, PPT
II	Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment - Insurance -Mutual Funds -Traded Funds	12	Chak & Talk, Lecture Method,PPT ,Group Discussion, Debate
III	Capital Market – Share Market – Primary and Secondary – Bond MarketsMoney Market – Metal Market - Commodities Markets – Foreign Exchange Market - Hedging - Futures and Options	12	Chak & Talk, Lecture Method, PPT,Group Discussion, Debate
IV	Domestic Economic Environment: Economic Growth and Development – National Income – Per Capita Income, Unemployment – Taxes, Trade Cycle –	14	Chak & Talk,

	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		**Lecture Method, PPT, Group Discussion, Brain Stroming, Lectures**
V	Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management	**10**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE) Formative Examination - Blue Print Articulation Mapping – K Levels with Course Outcomes (COs)				
Internal	**Cos**	**K Level**	**Section A**	
			MCQs	
			No. of. Questions	**K - Level**
CI AI	**CO1**	**K1 – K2**	**25**	**K1,K2**
	CO2	**K1 – K2**	**25**	**K1,K2**
CI AII	**CO3**	**K1 – K2**	**25**	**K1,K2**
	CO4	**K1 – K2**	**25**	**K1,K2**
Question Pattern CIA I & II		**No. of Questions to be asked**	**50**	
		No. of Questions to be answered	**50**	
		Marks for each question	**1**	
		Total Marks for each section	**50**	

* Two Formative examinations will be conducted as a part of Continuous Internal Assessment under which, 50 MCQ's will be asked [50X1=50 marks] from any 4 CO's. (I^{st} Test-2 CO's & II^{nd} Test-2 CO's) in equal weightage

Distribution of Marks with K Level CIA I & CIA II					
	K Level	Section A (Multiple Choice Questions)	Total Marks	% of (Marks without choice)	Consolidate of %
CIA I	K1	30	30	60	100
	K2	20	20	40	
	K3				
	K4				
	Marks	50	50	100	100
CIA II	K1	30	30	60	100
	K2	20	20	40	
	K3				
	K4				
	Marks	50	50	100	100

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)				
S. No	COs	K - Level	Section A (MCQs)	
			No. of Questions	K – Level
1	CO1	K1-K2	15	K1,K2
2	CO2	K1-K2	15	K1,K2
3	CO3	K1-K2	15	K1,K2
4	CO4	K1-K2	15	K1,K2
5	CO5	K1-K2	15	K1,K2
No. of Questions to be Asked			75	
No. of Questions to be answered			75	
Marks for each question			1	
Total Marks for each section			75	
(Figures in parenthesis denotes, questions should be asked with the given K level)				

Distribution of Marks with K Level				
K Level	**Section A (Multiple Choice Questions)**	**Total Marks**	**% of (Marks without choice)**	**Consolidated %**
K1	**40**	**40**	**53**	**100**
K2	**35**	**35**	**47**	
K3				
K4				
Marks		**75**	**100**	**100**
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.				

Course Name	COMPUTER APPLICATIONS IN ECONOMICS			
Course Code	23UECSC21	L	P	C
Category	SKILL	2	-	2

COURSE OBJECTIVES:

- To know the basic concepts of Computer Applications
- To apply the MS office and its basic operations
- To describes the data processing techniques using various MS office operations
- To gain knowledge on application of MS Excel
- To know mathematical and statistical functions for Economic Analysis

UNIT - I Introduction to Computers **12**

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.

UNIT - II MS Office **12**

MS Office Windows Explorer - MS Word: Basic Operations in Word – Editing– Formatting – Text Creation of Tables and Volumes - MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting

UNIT - III Data Processing **12**

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.

UNIT - IV Introduction to MS Excel **12**

Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs

UNIT - V Application of MS Excel in Statistics and Economics **12**

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

Total Lecture Hours **60**

BOOKS FOR STUDY:

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

BOOKS FOR REFERENCES:

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

WEB RESOURCES:

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

Nature of Course	EMPLOYABILITY		SKILL ORIENTED	✓	ENTREPRENEURSHIP			
Curriculum Relevance	LOCAL		REGIONAL		NATIONAL		GLOBAL	✓
Changes Made in the Course	Percentage of Change		No Changes Made		New Course	✓		

*** Treat 20% as each unit (20*5=100%) and calculate the percentage of change for the course.**

COURSE OUTCOMES:		K LEVEL
After studying this course, the students will be able to:		
CO1	Understand basic components of Computer and its functions	K1 to K2
CO2	Gain Knowledge of MS Office	K1 to K2
CO3	Outline data processing techniques of MS Excel	K1 to K2
CO4	Understand basic Operation in MS Excel.	K1 to K2
CO5	Apply MS Excel in Statistics and Economics.	K1 to K2

MAPPING WITH PROGRAM OUTCOMES:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3		
CO2	3	3	3	3	3	3	3	3		
CO3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	2	3	3	3		
CO5	3	2	2	3	3	3	3	3		

S- STRONG M – MEDIUM L - LOW

CO / PO MAPPING:

COS	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	2	2	2	3	3
CO 2	2	2	2	3	3
CO 3	2	2	2	3	3
CO 4	2	2	2	3	
CO 5	3	3	3	3	3
WEITAGE	11	11	11	15	15
WEIGHTED PERCENTAGE OF COURSE CONTRIBUTION TO POS	2.2	2.2	2.2	3	3

LESSON PLAN:

UNIT	COMPUTER APPLICATIONS IN ECONOMICS	HRS	PEDAGOGY
I	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.	12	Chak & Talk, Lecture Method, PPT
II	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.	12	Chak & Talk, Lecture

			Method,PPT ,Group Discussion, Debate
III	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**	**Chak & Talk, Lecture Method, PPT,Group Discussion, Debate**
IV	Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs.	**12**	**Chak & Talk, Lecture Method, PPT, Brain Stroming,**
V	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	**12**	**Assignment**

Learning Outcome Based Education & Assessment (LOBE)
Formative Examination - Blue Print
Articulation Mapping – K Levels with Course Outcomes (COs)

Internal	**Cos**	**K Level**	**Section A**	
			MCQs	
			No. of. Questions	**K - Level**
CI AI	**CO1**	**K1 – K2**	**25**	**K1,K2**
	CO2	**K1 – K2**	**25**	**K1,K2**
CI AII	**CO3**	**K1 – K2**	**25**	**K1,K2**
	CO4	**K1 – K2**	**25**	**K1,K2**
Question Pattern CIA I & II		**No. of Questions to be asked**	**50**	
		No. of Questions to be answered	**50**	
		Marks for each question	**1**	
		Total Marks for each section	**50**	

* Two Formative examinations will be conducted as a part of Continuous Internal Assessment under which, 50 MCQ's will be asked [50X1=50 marks] from any 4 CO's. (Ist Test-2 CO's & IInd Test-2 CO's) in equal weightage

Distribution of Marks with K Level CIA I & CIA II					
	K Level	**Section A (Multiple Choice Questions)**	**Total Marks**	**% of (Marks without choice)**	**Consolidate of %**
CIA I	**K1**	**30**	**30**	**60**	**100**
	K2	**20**	**20**	**40**	
	K3				
	K4				
	Marks	**50**	**50**	**100**	**100**
CIA II	**K1**	**30**	**30**	**60**	**100**
	K2	**20**	**20**	**40**	
	K3				
	K4				
	Marks	**50**	**50**	**100**	**100**

K1- Remembering and recalling facts with specific answers

K2- Basic understanding of facts and stating main ideas with general answers

K3- Application oriented- Solving Problems

K4- Examining, analyzing, presentation and make inferences with evidences

CO5 will be allotted for individual Assignment which carries five marks as part of CIA component.

Summative Examination – Blue Print Articulation Mapping – K Level with Course Outcomes (COs)				
S. No	COs	K - Level	Section A (MCQs)	
			No. of Questions	K – Level
1	CO1	K1-K2	15	K1,K2
2	CO2	K1-K2	15	K1,K2
3	CO3	K1-K2	15	K1,K2
4	CO4	K1-K2	15	K1,K2
5	CO5	K1-K2	15	K1,K2
No. of Questions to be Asked			75	
No. of Questions to be answered			75	
Marks for each question			1	
Total Marks for each section			75	
(Figures in parenthesis denotes, questions should be asked with the given K level)				

Distribution of Marks with K Level				
K Level	Section A (Multiple Choice Questions)	Total Marks	% of (Marks without choice)	Consolidated %
K1	40	40	53	100
K2	35	35	47	
K3				
K4				
Marks		75	100	100
NB: Higher level of performance of the students is to be assessed by attempting higher level of K levels.				