

U. G. PROGRAMME OUTCOMES

UPON COMPLETION OF THIS PROGRAMME THE STUDENTS WILL BE ABLE TO

- ❖ Apply scientific knowledge to real life situations to become competent and committed.
- ❖ Acquire Industry specific skills and equip them to emerge as entrepreneurs.
- ❖ Explore the knowledge and acclimatize it in the ever changing work environment.
- ❖ Design and conduct experiments /demos/create models to analyze and interpret data
- ❖ Communicate effectively on the findings of sciences and incorporate with existing knowledge
- ❖ Evolve theories and develop innovative discipline specific ideas.

U.G. COURSE PATTERN - (2023 - 2026) (UGC/ TANSICHE/ MTU)-MATHEMATICS

Sem.	Part	Code	Title of the Course	Hours	Credit	
I	I	23GT1GS01/ 23GH1GS01/	Tamil-I/ Hindi-I	6	3	
	II	23GE1GS01	English-I	4	3	
	III		23XX1MC01	CC - 1	6	5
			23XX1MC02	CC - 2	5	4
			23XX1AC1A/ 23XX1AC1B	Elective Course - I Discipline Specific Elective (Allied Course-I)	3	3
			23XX1AP1A/ 23XX1AP1B	Allied Practical-I	2	1
	IV	23AE1PE01	Ability Enhancement Course -1 (AEC-1): (Soft skill - 1) Professional English	2	2	
	IV	23XX1FC01	Department: Foundation Course	2	2	
	V	23STPNS01/ 23STPNC01/ 23STPPE01/ 23STPCC01/ 23STPRR01/ 23STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	-	
Total				30	23	
II	I	23GT2GS02/ 23GH2GS02/	Tamil-II/ Hindi-II	6	3	
	II	23GE2GS02	English-II	4	3	
	III		23XX2MC03	CC - 3	6	5
			23XX2MC04	CC - 4	5	4
			23XX2AC2A/ 23XX2AC2B	Elective Course -II Discipline Specific Elective (Allied Course -II)	3	3
			23XX2AP2A/ 23XX2AP2B	Allied Practical-II	2	1
	IV		23AE2VE02	Ability Enhancement Course -2 (AEC-2): (Soft Skill - 2) Value Education	2	2
			23SE2CE02	Skill Enhancement Course (SEC) - 1 (NME - 1) Effective English	2	2
	V	23STPNS01/ 23STPNC01/ 23STPPE01/ 23STPCC01/ 23STPRR01/ 23STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	-	
Total				30	23	

Sem.	Part	Code	Title of the Course	Hours	Credit
III	I	23GT3GS03/ 23GH3GS03/	Tamil-III/ Hindi-III	6	3
	II	23GE3GS03	English-III	4	3
	III	23XX3MC05	CC - 5	5	4
		23XX3MC06	CC - 6	5	4
		23XX3AC3A/ 23XX3AC3B	Elective Course - III Discipline Specific Elective (Allied Course-III)	5	4
	IV	23SE3EB03	Skill Enhancement Course (SEC) - 2 (Entrepreneurial Based)	1	1
		23XX3GE01/ 23GE3NC01	GE - 1 (Arts to Arts & Science to Science)/ National Integration and Personality Development	2	2
		23AE3ES03	Ability Enhancement Course -3 (AEC-3): Environmental Studies	2	2
	V	23STPNS01/ 23STPNC01/ 23STPPE01/ 23STPCC01/ 23STPRR01/ 23STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	-
	Total				30
IV	I	23GT4GS04/ 23GH4GS04/	Tamil-IV/ Hindi-IV	6	3
	II	23GE4GS04	English-IV	4	3
	III	23XX4MC07	CC - 7	5	5
		23XX4MC08	CC - 8	4	4
		23XX4AC4A/ 23XX4AC4B	Elective Course-IV Discipline Specific Elective (Allied Course-IV)	5	4
	IV	23SE4CE03	Skill Enhancement Course (SEC) - 3 Office Fundamentals	3	2
		23XX4GE02/ 23GE4NC02	GE - 2 (Arts to Science & Science to Arts)/ Organization and Health Programme in NCC	2	2
		23AE4CB04	Ability Enhancement Course -4 (AEC-4): Capacity Building	1	1
V	23STPNS01/ 23STPNC01/ 23STPPE01/ 23STPCC01/ 23STPRR01/ 23STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	1*	
Total				30	24+1*

Sem.	Part	Code	Title of the Course	Hours	Credit
V	III	23XX5MC09	CC - 9	6	5
	III	23XX5MC10	CC -10	6	5
	III	23XX5MC11	CC - 11	5	4
	III	23XX5MC12	CC - 12	5	4
	III	23XX5DE1A/ 23XX5DE1B/ 23XX5DE1C	Discipline Specific Elective - 1	4	3
		23XX5DE2A/ 23XX5DE2B/ 23XX5DE2C	Discipline Specific Elective - 2	4	3
	IV	23XX5IN01/ 23XX5IT01	Internship/ Industrial Training (Carried out in II year Summer Vacation) (30 hours) / atleast 6 days (IV Sem)	-	2
V	23SLPEX01	Service Learning Programme: Extension JACEP	-	-	
		Total	30	26	
VI	III	23XX6MC13	CC - 13	20	13
		23XX6MC14	CC -14		
		23XX6MC15	CC - 15		
		23XX6MC16	CC - 16		
		23XX6PR01	Project*	4	3
		23XX6DE3A/ 23XX6DE3B/ 23XX6DE3C	Discipline Specific Elective - 3	3	2
	IV	23SE6XX01	Skill Enhancement Course-4 (SEC) - 4 (Domain Specific Skill Courses)	3	2
	V	23XX6SS01/ 23XX6SS02/ 23XX6SS03/ 23XX6SS04/ 23XX6SM01	Self Study Course: MOOCs	-	2*
	23SLPEX01	Service Learning Programme: Extension JACEP	-	1	
		Total	30	21	
		Total	180	140+3*	

* Extra Credits - Self Study Paper, MOOCs

* Group Project

K1 - Remember; **K2** - Understand; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate; **K6** - Create

CONTINUOUS INTERNAL ASSESSMENT COMPONENT (CIA) - 2023-2026 -UG

CIA components for Practical can be decided by the respective Departments.

Passing Minimum in the Continuous Internal Assessment is Compulsory for appearing the External Semester Examination

Theory:

Component	Marks	Marks
Internal test I	40	Converted to 25
Internal test II	40	
Quiz	10	
Assignment	5	
Attendance	5	
Total	100	25

PRACTICAL:

Continuous Internal Assessment (CIA) - 40 Marks

External Practical Exam - 60 Marks

PROJECT WORK (UG)

The ratio of marks for Internal and External Examination is 50:50. The Internal Components of Project Work are given below:

THE INTERNAL COMPONENTS OF PROJECT

Components	Marks
First Review	10
Second Review	10
Final Review (Internal Viva Voce)	30
Total	50

EXTERNAL VALUATION OF PROJECT WORK

Components	Marks
Project Report	25
External Viva Voce	25
Total	50

INTERNSHIP (UG)

Components	Marks
Internal	50 Marks
External	50 Marks
Total	100 Marks

INTERNAL COMPONENTS:

Components	Marks
Report Submission	25 Marks
Presentation and viva (internal)	25 Marks
External (Awarded by the Respective Guide / Intern site)	50 Marks

PASSING MINIMUM FOR EXTERNAL SEMESTER EXAMINATION -UG

Semester Examination		
Theory	40% out of 75 Marks (i.e. 30 Marks)	40% out of 100 Marks (i.e. 40 Marks)
Practical	40% out of 60 Marks (i.e. 24 Marks)	

INTERNAL QUESTION PATTERN (UG)

Class:

Time: 2 Hours

Date:

Max.: 40 Marks

Title of the Paper

Course Outcome	Bloom's K-level	Q. No	SECTION
			SECTION – A (10 x 1 = 10 marks) MCQs
			SECTION – B (2 x 5= 10 Marks) Answer ALL Questions. (Internal Choice)
			SECTION – C (2x 10 =20 Marks) Answer All Question. (Internal Choice)

EXTERNAL QUESTION PATTERN

UG External Question Pattern for the courses carrying credits 5 and above

Class:

Time: 3 Hours

Date:

Max.: 100 Marks

Title of the Paper

Course Outcome	Bloom's K-level	Q. No	SECTION
			SECTION – A (15 x 1 = 15 marks) MCQs
			SECTION – B (5× 2= 10 Marks) Questions based on K2 level only. Answer any FIVE Questions out of SEVEN
			SECTION – C (5x 5 =25 Marks) Answer All Question. (Internal Choice, one question from each Unit)
			SECTION – D (5x 10 =50 Marks) Answer All Question. (Internal Choice, one question from each Unit)

EXTERNAL QUESTION PATTERN

UG External Question Pattern for the courses carrying credits below 5

Class:

Time: 2 ½ Hours

Date:

Max.: 75 Marks

Title of the Paper

Course Outcome	Bloom's K-level	Q. No	SECTION
			SECTION – A (15 x 1 = 15 marks) MCQs
			SECTION – B (5x 6 = 30 Marks) Answer All Question. (Internal Choice, one question from each Unit)
			SECTION – C (3x 10 =30 Marks) Answer All Question. (Internal Choice)