MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

DEPARTMENT OF MATHEMATICS AND STATISTICS

Bachelor of Science/ Arts (B.Sc./B.A.) 2023-24

Faculty : SCIENCE

Subject : MATHEMATICS

Proposed Mathematics Courses for CBCS in 3 year B.Sc. Program: Semester wise types, codes, titles, Delivery type, Workload, Credits of the courses, Marks of Examination, and Remarks

Level	Semester	Course Type	Course Code	Title	Delivery Type			Total Hours	Credit	Total Credit	Internal Assessment	EoS Exam	M. M.	Remarks
					L	T	P							
5	I	DCC	MAT5000T	Calculus	L	T	-	90	5+1	6	20	80	100	---
	II	DCC	MAT5001T	Algebra	L	T	-	90	5+1	6	20	80	100	---
				Exit with Certificate in Science (After 4 more credits in SEC)										
6	III	DCC	MAT6000T	Differential Equation	L	T	-	90	5+1	6	20	80	100	---
6	IV	DCC	MAT6001T	Real Analysis	L	T	-	90	5+1	6	20	80	100	---
				Select anyone of the following SEC- Skill Enhancement Course in IV semester										
		SEC	SES6360T	Advanced Calculus	L	-	-	30	2	2	20	80	100	---
			SES6361T	Basic Mathematics	L	-	-	30	2	2	20	80	100	---
			SES6362P	LATEX	-	-	P	60	2	2	20	80	100	---
				Exit with Diploma in Science										

Select anyone of the following Discipline specific Elective (DSE) Courses and Skill Enhancement Course (SEC) in V and VI semester													
Level	Semester	Course Type	Course Code	Title	Delivery Type			Total Hours	Credit	Total Credit	Internal Assessment	EoS Exam	M. M.	Remarks
					L	T	P							
7	V	DSE	MAT7100T	Linear Algebra	L	T	-	90	5+1	6	20	80	100	---
			MAT7101T	Discrete Mathematics	L	T	-	90	5+1	6	20	80	100	---
			MAT7102T	Number Theory	L	T	-	90	5+1	6	20	80	100	---
		SEC	SES7360T	Vector Calculus	L	-	-	30	2	2	20	80	100	---
			SES7361T	Theory of Equations	L	-	-	30	2	2	20	80	100	---
			SES7362P	SCI LAB	-	-	P	60	2	2	20	80	100	---
7	VI	DSE	MAT7103T	Mechanics	L	T	-	90	5+1	6	20	80	100	---
			MAT7104T	Geometry	L	T	-	90	5+1	6	20	80	100	---
			MAT7105T	Operations Research	L	T	-	90	5+1	6	20	80	100	---
		SEC	SES7363T	Mathematical Statistics	L	-	-	30	2	2	20	80	100	---
			SES6364T	Vedic Mathematics	L	-	-	30	2	2	20	80	100	---
			SES7365P	Graphical Software	-	-	P	60	2	2	20	80	100	---
Exit with Graduation Degree in Science (B.Sc.)													

DCC: Discipline Centric Compulsory Course
(MAT5000T, MAT5001T, MAT6000T, MAT6001T)

DSE: Discipline Specific Core Course
(MAT7100T to STA7105T)

SEC: Skill Enhancement Course
(SES6360T, SES6361T, SES6362P, SES7360T, SES7361T, SES7362P, SES7363T, SES7364T & SES7365P)

MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

B.Sc./B.A. (Three Years Degree Program)

Subject: MATHEMATICS

End of Semester (EoS) Examination pattern of Theory Papers:

As proposed in the academic council held on 26-06-2023.

Internal Examination

Duration: 1 hour   Max. Marks: 20   Min Marks: 08

Internal Examination:

1. The maximum marks of each paper shall be 20. The minimum passing marks shall be 8. In all papers except "Project" it will consists of two parts: a test (10 marks) and an internal assessment (10 marks).

2. The format or pattern of the test can be decided by the department.

3. The internal assessment shall be of maximum marks 10. This part shall be based on the performance of students in the assignments/ seminars/quiz etc. In case of assignments, the teacher will give at least five assignments distributed over the entire course contents. These will be submitted by the students to the teacher for evaluation and submit awards. In Laboratory/Practical papers internal assessment shall be done by checking the record of practical or organizing a quiz during classes or may academically rationale method decided by the department.

4. In the paper entitled "Project", student will submit a report on the progress of the work done during the semester to the Head. The report will be routed through the Mentor with his grading who will also award the internal marks of the "Project".

5. Students have to independently pass in the internal examination of each paper.

6. The marks awarded in the internal examination shall not be counted to calculate and award the final score, the SGPA and the CGPA.

MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

B.Sc./B.A. (Three Years Degree Program)

Subject: MATHEMATICS

<u>End of Semester (EoS) Examination pattern of Practical Exam.:</u>

Duration: 4 hour   Max. Marks: 80   Min Marks: 32

The examination shall be of four hours wherein the students have to perform any two practicals selecting one from each part. The marks distribution shall be the following.

1. Two Practicals (Formation, coding and execution) : 50 Marks (25 + 25)

2. Vivo Voce: 20 Marks

3. Evaluation of the record book of practicals performed in the semester : 10 Marks