



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

Department of Mechanical Engineering

Scheme of Evaluation

B. Tech. I Semester (*Mechanical Engineering*)

(for batch admitted in academic session 2022-23)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Theory Slot				Practical Slot				L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	100011	BSC	Engineering Mathematics-I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	160122	ESC	Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
3.	100021	ESC	Basic Mechanical	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ	1.5 Hrs
4.	100022	ESC	Basic Electrical and Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	100020	ESC	Basic Civil Engineering and Mechanics	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
6.	120026	ESC	Basic Mechanical Engineering Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
Total				250	50	100	100	180	60	60	800	11	05	06	19	-	-	-
7.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.																		

Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language

Credits of Natural Sciences & Skills will be added in the VI Semester

MCQ: Multiple Choice Question AO: Assignment + Oral OB: Open Book PP: Pen Paper SO: Submission + Oral

Mode of Teaching				Mode of Examination				Total Credits
Theory		Lab		Theory			Lab	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	19
4	-	14	1	7	4	7	1	
21%	-	73.68%	5%	36.8%	21%	36.8%	5%	Credits %



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Department of Mechanical Engineering

Scheme of Evaluation

B. Tech. II Semester (*Mechanical Engineering*)

(for batch admitted in academic session 2022-23)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Theory Slot				Practical Slot				L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	^s Proficiency in subject/course	Mid Sem. Exam.	Quiz/Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	120221	DC	Material Science	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
2.	120222	DC	Manufacturing Processes	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
3.	120223	DC	Engineering Thermodynamics	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
4.	100014	ESC	Engineering Graphics	50	10	20	20	-	-	-	100	2	1	-	3	Offline	AO	2 Hrs
5.	160222	ESC	Python Programming	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6.	100024	ESC	Manufacturing Practices	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
7.	100018	ESC	Engineering Graphics Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
Total				250	50	100	100	180	60	60	800	11	05	06	19	-	-	-
8.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

^sProficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language , Credits of Natural Sciences & Skills will be added in the VI Semester

MCQ: Multiple Choice Question

AO: Assignment + Oral

OB: Open Book

PP: Pen Paper

SO: Submission + Oral

Mode of Teaching				Mode of Examination				Total Credits
Theory			Lab	Theory			Lab	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
3	-	14	2	10	7	0	2	19
15.78	-	73.68	10.5	52.6	36.8	0	10.5	Credits %