SCHEME OF EXAMINATION
B. TECH. (3rd SEMESTER) MECHANICAL ENGINEERING

S. No.	Course No	Subjects	Teaching Schedule (Hours)				Credits	Duration of Exams. (Hours)
			L	T	P/D	Total		
1	MET-201	Thermodynamics	3	1	-	4	3.5	3
2.	MET-203	Strength of Materials –I	3	1	-	4	3.5	3
3.	MET-205	Machine Drawing	-	-	4	4	2.0	4
4.	MET-207	Production Technology-I	3	1	-	4	3.5	3
5.	MAT-201	Mathematics –III	3	1	-	4	3.5	3
6.	MET-209	Kinematics of Machines	3	1	-	4	3.5	3
7.	MET-211	Applied Mechanics	2	1	-	3	2.5	3
8.	MET-213	Strength of Materials-I (Practical)	-	-	2	2	1.0	3
9.	MET-215	Production Technology-I	-	-	2	2	1.0	3
10.	MET-217	Thermodynamics (Practical)	-	-	2	2	1.0	3
11.	MET-219	Applied Mechanics (Practical)	-	-	2	2	1.0	3
		Total	17	06	12	35	26	

SCHEME OF EXAMINATION
B. TECH. (4th SEMESTER) MECHANICAL ENGINEERING

S. No.	Course No	Subjects	Teaching Schedule (Hours)				Credits	Duration of Exams. (Hours)
			L	T	P/D	Total		
1	MET-202	Mechanics of Fluids	3	1	-	4	3.5	3
2.	MET-204	Strength of Materials -II	3	1	-	4	3.5	3
3.	MET-206	Steam & Power Generation	3	1	-	4	3.5	3
4.	HUT-211	Organizational Behaviour	2	1	-	3	2.5	3
5.	MET-208	Material Science	3	1	-	4	3.5	3
6.	MET-210	Production Technology-II	3	1	-	4	3.5	3
7.	MET-212	Dynamics of Machines	3	1	-	4	3.5	3
8.	MET-214	Numerical Methods & Computer Programming (Practical)	-	-	2	2	1.0	3
9.	MET-216	Production Technology-II (Practical)	-	-	2	2	1.0	3
10.	MET-218	Mechanics of Machines (Practical)	-	-	2	2	1.0	3
11.	CET-220	Mechanics of Fluids (Practical)	-	-	2	2	1.0	3
		Total	20	07	08	35	27.5	-

SCHEME OF EXAMINATION
B. TECH. (5th SEMESTER) MECHANICAL ENGINEERING

S. No.	Course No	Subjects	Teaching Schedule (Hours)				Credits	Duration of Exams. (Hours)
			L	T	P/D	Total		
1	MET-301	I.C. Engines & Gas Turbine	3	1	-	4	3.5	3
2.	MET-303	Fluid Machines	3	1	-	4	3.5	3
3.	MET-305	Heat Transfer	3	1	-	4	3.5	3
4.	MET-307	Industrial Engineering	3	1	-	4	3.5	3
5.	MET-309	Machine Design -I	2	-	5	7	4.5	3
6.	MET-311	Operations Research	3	1	-	4	3.5	3
7.	MET-313	Thermal Engineering Lab	-	-	2	2	1.0	3
8.	MET-315	Fluid Machines (Practical)	-	-	2	2	1.0	3
9.	MET-317	Heat Transfer (Practical)	-	-	2	2	1.0	3
10.	MET-319	Industrial Engg (Practical)	-	-	2	2	1.0	3
11	MET-323	Vocational Training	-	-	-	-	3.0	-
	Total		17	5	13	35	29.0	

SCHEME OF EXAMINATION
B. TECH. (6th SEMESTER) MECHANICAL ENGINEERING

S. No.	Course No	Subjects	Teaching Schedule (Hours)				Credits	Duration of Exams. (Hours)
			L	T	P/D	Total		
1	MET-302	Refrigeration & Air-Conditioning	3	1	-	4	3.5	3
2.	MET-304	Tribology	3	1	-	4	3.5	3
3.	MET-306	Mechanical Vibrations	3	1	-	4	3.5	3
4.	HUT-311	Business Management	3	1	-	4	3.5	3
5.	MET-308	Computer Aided Design	3	2	-	5	4.0	3
6.	MET-310	Machine Design –II	2	-	6	8	5.0	4
7.	MET-312	Refrigeration & Air Conditioning (Practical)	-	-	2	2	1.0	3
8.	MET-314	Mechanical Vibrations & Tribology (Practical)	-	-	2	2	1.0	3
9.	MET-316	Computer Aided Design (Practical)	-	-	2	2	1.0	3
	Total		18	5	12	35	26.0	

SCHEME OF EXAMINATION
B. TECH. (7th SEMESTER) MECHANICAL ENGINEERING

S. No.	Course No	Subjects	Teaching Schedule (Hours)				Credits	Duration of Exams. (Hours)
			L	T	P/D	Total		
1	MET-401	Automobile Engg.	3	1	-	4	3.5	3
2.	MET-403	Measurements	3	1	-	4	3.5	3
3.	MET…	Elective-I*	3	1	-	4	3.5	3
4.	MET…	Open Elective-I*	3	1	-	4	3.5	3
5.	MET-405	Statistical Quality Control and Reliability	3	1	-	4	3.5	3
6.	MET-407	Measurements (Practical)	-	-	2	2	1.0	3
7.	MET-409	Project-I	-	-	6	6	9.0	3
8.	MET-411	Seminar**	-	-	2	2		
9.	MET-413	Practical Training Report	-	-	-	-	3.0	3
	Total		15	5	10	30	30.5	

* The Electives will be offered from the list of Electives.

** This will continue in the 8th semester and the credits will be awarded only in the 8th semester.

Elective-I

1. MET-419 Advanced Manufacturing Technology
2. MET-421 Finite Element Method
3. MET-423 Computer Graphics & Product Design
4. MET-425 Gas Dynamics
5. MET-427 Optimization Techniques
6. MET-429 Renewable Energy Resources
7. MET-433 Cryogenic Engineering
8. MET-435 Industrial Noise & Control
9. MET-437 Maintenance Engineering
10. MET-439 Machine Tool Design

SCHEME OF EXAMINATION
B. TECH. (8th SEMESTER) MECHANICAL ENGINEERING

S. No.	Course No	Subjects	Teaching Schedule (Hours)				Credits	Duration of Exams. (Hours)
			L	T	P/D	Total		
1	MET-402	Entrepreneurship	3	1	-	4	3.5	3
2.	MET-	Elective –II	3	1	-	4	3.5	3
3.		Open Elective-II	4	-	-	4	3.5	3
4.	MET- 404	Power Plant Engineering	3	1	-	4	3.5	3
5.	MET-406	Work Study & Ergonomics	3	1	-	4	3.5	3
6.	MET-408	Entrepreneurship Dev. (Practical)	-	-	2	2	1.0	3
7.	MET-410	Project-II	-	-	6	6	9.0	3
8.	MET-411	Seminar	-	-	2	2	1.0	
9.	MET-412	Comprehensive Viva-Voce	-	-	-	-	3.0	3
10	MET-414	General Fitness and Professional Aptiliude (Viva-Voce)	-	-	-	-	3.0	3
	Total		15	5	10	30	34.5	

* The Electives will be offered from the list of Electives.

Elective-II

1. MET-420 Non Conventional Manufacturing
2. MET-422 Industrial Robotics
3. MET-424 Reliability Engineering
4. MET-426 Energy Management
5. MET-430 Piping Engineering
6. MET-432 Total Quality Management
7. MET-434 Fluidics
8. MET-436 Non Conventional Energy System
9. MET-438 Management Information System