

SUBJECTS OF STUDY AND SCHEME OF EVALUATION

Mechanical Engineering

Sl No.	Code	Course	Course Category	Periods per week			Credits	Type	Evaluation	
				Theory	Practical	Total			CA	External
Semester I										
1.	1001	English for Communication I	F	2	2	4	3	T	50	100
2.	1002	Engineering Mathematics I	F	6	0	6	6	T	50	100
3.	1003	Engineering Physics I	F	3	0	3	3	T	50	100
4.	1004	Engineering Chemistry I	F	3	0	3	3	T	50	100
5.	2005	Engineering Graphics	F	2	3	5		D	0	0
6.	1009	Health & Physical Education	C	1	2	3	2	P	50	50
7.	2008	Workshop Practice	F	0	3	3		P	0	0
8.	1008	Computing Fundamentals	C	2	3	5	4	P	50	50
9.	2007	Engineering Science Lab I	F	0	3	3		P	0	0
				19	16	35	21			
Semester II										
10.	2001	English for Communication II	F	2	2	4	3	T	50	100
11.	2002	Engineering Mathematics II	F	6	0	6	6	T	50	100
12.	2003	Engineering Physics II	F	3	0	3	3	T	50	100
13.	2004	Engineering Chemistry II	F	3	0	3	3	T	50	100
14.	2021	Basic Mechanical Engineering	B	4	0	4	4	T	50	100
15.	2005	Engineering Graphics	F	1	3	4	5	D	50	100
16.	2008	Workshop Practice	F	0	3	3	3	P	50	50
17.	2007	Engineering Science Lab II	F	0	3	3	3	P	50	50
18.	2029	Basic Mechanical Engineering Lab	B	0	3	3	2	P	50	50
19.	2009	Life Skill	C	1	1	2	2	P	50	50
				20	15	35	34			
Semester III										
20.	3021	Electrical & Electronics Engg.	B	5	0	5	5	T	50	100
21.	3023	Manufacturing Process	B	5	0	5	5	T	50	100
22.	3022	Fluid Mechanics & Pneumatics	B	6	0	6	6	T	50	100

23.	3001	Environmental Science & Disaster Management	C	3	0	3	3	T	50	100
24.	3024	Machine Drawing	B	1	3	4	3	D	50	100
25.	3027	Workshop Practice III	B	0	6	6	3	P	50	50
26.	3029	Fluid Mechanics Lab	B	0	3	3	2	P	50	50
27.	3028	Electrical Technology Lab	B	0	3	3	2	P	50	50
				20	15	35	29			
Semester IV										
28.	4023	Metallurgy & Machine Tools	B	5	0	5	5	T	50	100
29.	4022	Automobile Engineering	B	4	0	4	4	T	50	100
30.	4021	Applied Mechanics and Strength of Materials	A	5	0	5	5	T	50	100
31.	4024	Thermal Engineering	B	5	0	5	5	T	50	100
32.	4026	Production Drawing	A	1	3	4	3	D	50	100
33.	4029	Workshop Practice IV & Mini Project	A	0	6	6	5	P	50	50
34.	4028	Material Testing Lab	A	0	3	3	2	P	50	50
35.	4027	Heat Engines Lab	B	0	3	3	2	P	50	50
				20	15	35	31			
Semester V										
36.	5001	Industrial Management & Safety	C	4	0	4	4	T	50	100
37.	5021	Design of Machine Elements	A	5	0	5	5	T	50	100
38.	5022	Industrial Engineering	A	5	0	5	4	T	50	100
39.	5023	Power Plant Engineering	E	4	0	4	4	T	50	100
	5024	Alternate Energy Sources and Management	E	4	0	4	4	T	50	100
	5025	Material Handling	E	4	0	4	4	T	50	100
40.	5028	Industrial Maintenance and Servicing Laboratory	A	0	4	4	2	P	50	50
41.	5029	Machine Shop Practice	A	0	4	4	2	P	50	50
42.	5027	CADD Lab I	A	0	3	3	2	P	50	50
43.	5009	Industrial Training/Industrial Visit/Collaborative work	A	2 Week			2	P	50	0
44.	6009	Project & Seminar	A	0	6	6	0	Pr	0	0
				18	17	35	25			

Semester VI										
45.	6022	Hydraulic Machines	A	5	0	5	4	T	50	100
46.	6021	Advanced Production Processes	A	5	0	5	5	T	50	100
47.	6023	Refrigeration & Air Conditioning	A	6	0	6	6	T	50	100
48.	6025	Industrial Automation & Mechatronics	E	4	0	4	4	T	50	100
	6024	CAD-CAM	E	4	0	4	4	T	50	100
	6026	Maintenance Engineering	E	4	0	4	4	T	50	100
49.	6028	CADD Lab II	A	0	3	3	2	P	50	50
50.	6029	Advanced Machine Tool Laboratory	A	0	3	3	2	P	50	50
51.	6027	Hydraulic Machines and Fluid Power Lab	A	0	3	3	2	P	50	50
52.	6009	Project & Seminar	A	0	6	6	10	Pr	50	50
				20	15	35	35			
							175			

Abbreviations used:

Course Categories: F - Foundation Courses, C - Common Courses, B - Basic Technology Courses, A - Applied Technology Courses, E - Elective Courses

Evaluation Type: T - Theory, P - Practical, D - Drawing, Pr - Project