

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING

THIRD (III) SEMESTER (MECHANICAL ENGINEERING)

Sr. No	Subject	L	T	P	T 0 T	EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Theory		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Mathematics-III	4	1	-	5	50	0	100	2.5	0	0	150
3.2	Strength of Materials	4	1	-	5	50	0	100	2.5	0	0	150
3.3	Manufacturing Process-I	4	-	2	6	30	20	75	2.5	25	2	150
3.4	Engg Metallurgy	4	-	2	6	30	20	75	2.5	25	2	150
3.5	Thermal Engineering	4	1	2	7	30	20	75	2.5	25	2	150
3.6	Machine drawing –I	2	-	3	5	-	50	0	0	50	3	100
3.7	Machine shop-I	1	-	-	2	3	-	50	-	0	50	3
3.8	General Proficiency	-	-	2	2	-	25	-	-	-	-	25

3.9	Industrial exposure	-	-	-	-	-	25	-	-	-	-	25
Total		23	3	13	39	190	210	425	-	175	-	1000

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FOURTH (IV) SEMESTER (MECHANICAL ENGINEERING)

Sr. No	Subject	L	T	P	T 0 T	EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Theory		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1	Theory of Machine	4	1	-	5	50	0	100	2.5	0	0	150
4.2	Measurement and metrology	4	-	2	6	30	20	75	2.5	25	2	150
4.3	Manufacturing Process-II	4	1	2	7	30	20	75	2.5	25	2	150
4.4	Industrial Engineering	4	-	-	4	50	0	100	2.5	0	0	150

4.5	Fluid mechanics and machinery	4	1	2	7	30	20	75	2.5	25	2	150
4.6	Machine drawing –II	2	-	3	5	-	50	0	0	50	3	100
4.7	Machine shop-II	1	-	2	3	-	50	0	0	50	3	100
4.8	General Proficiency	-	-	2	2	-	25	-	-	-	-	25
4.9	Industrial exposure	-	-	-	-	25	-	-	-	-	-	25
Total		23	3	13	39	215	185	425	-	175	-	1000

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FIFTH (V) SEMESTER (MECHANICAL ENGINEERING)

Sr. No	Subject	L	T	P	T 0 T	EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Theory		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
5.1	Machine design	4	1	-	5	50	0	100	2.5	0	0	150
5.2	Refrigeration and air-conditioning	4	1	2	7	30	20	75	2.5	25	2	150
5.3	CAD/CAM	4	1	2	7	30	20	75	2.5	25	2	150
5.4	Internal combustion engine	4	1	2	7	30	20	75	2.5	25	2	150

5.5	Elective-I	2	-	3	5	25	0	75	2.5	0	0	100
5.6	Project Phase -I	-	-	4	4	-	50	0	0	50	3	100
5.7	EPP	4	-	-	4	-	50	0	0	50	3	100
5.8	Industrial training seminar	-	-	-	-	-	100	-	-	-	-	100
Total		22	4	13	39	165	260	400	-	175	-	1000

Elective -I

Sr.	Subject Name
1	Pneumatics & Control – Hands On training @ Industry
2	Welding Technology – Hands On training @ Industry
3	Engine Testing & Fault Diagnostics– Hands On training @ Industry

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SIXTH (VI) SEMESTER (MECHANICAL ENGINEERING)

Sr. No	Subject	L	T	P	T 0 T	EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Theory		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Automobile Engineering	4	-	2	6	30	20	75	2.5	25	2	150
6.2	Industrial automation and Robotics	4	-	-	4	50	0	100	2.5	0	0	150
6.3	Power Plant	4	-	-	4	50	0	100	2.5	0	0	150
6.4	Quality control	4	-	-	4	50	0	100	2.5	0	0	150
6.5	Elective -II	4	-	-	4	25	0	75	2.5	0	0	100
6.6	Project phase -II	-	-	8	8	-	100	0	0	200	3	300

	Total	20	-	10	30	120	150	480	-	250	-	1000

Elective-II

Sr.	Subject Name
1	Non Destructive Testing - COE
2	Low Cost Automation with Pneumatic and Hydraulic Control - COE
3	Service Center Maintenance