

Study & Evaluation Scheme

First Semester

Sr. No.	Subject	L T P Hrs/Week			Evaluation Scheme						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper	Practical			
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr	
1.1*	Communication Skill – I	3	-	2	25	25	100	3	50	2	200
1.2*	Applied Mathematics –I	4	1	-	50	-	100	3	-	-	150
1.3*	Applied Physics-I	4	-	2	25	25	100	3	50	3	200
1.4*	Applied Chemistry-I	2	-	2	25	25	100	3	50	3	200
1.5*	Basic of Information Technology	-	-	4	-	50	-	-	100	3	150
1.6*	Engineering Drawing-I	-	-	6	-	50	100	3	25 (Viva)	2	175
1.7*	General Workshop Practice-I	-	-	6	-	50	-	-	+100	3	150
# Student Centred Activities		-	-	4	-	25	-	-	-	-	25
Total		13	1	25	125	250	500		375		1250

* Common with other diploma programmes

+Including 25 marks for Viva-voce

#Student Centred Activities will comprise of various co-curricular activities like game, hobby club, seminars, declamation contest, extension lectures, field visits, NCC, NSS and cultural activities etc.

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Second Semester

Sr. No.	Subject	L T P Hrs/Week			Evaluation Scheme						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper	Practical			
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr	
2.1*	Communication Skill – II	3	-	2	25	25	100	3	50	2	200
2.2*	Applied Mathematics – II	4	1	-	50	-	100	3	-	-	150
2.3*	Applied Physics-II	3	-	2	25	25	100	3	50	3	200
2.4*	Applied Chemistry-II	2	-	2	25	25	100	3	50	3	200
2.5*	Applied Mechanics	3	-	2	25	25	100	3	50	3	200
2.6*	Engineering Drawing-II	-	-	6	-	50	100	3	25 (Viva)	2	175
2.7*	General Workshop Practice-II	-	-	6	-	50	-	-	+100	3	150
# Student Centered Activities		-	-	4	-	25	-	-	-	-	25
Total		15	1	24	150	225	600		325		1300

* Common with other diploma programmes

+Including 25 marks for Viva-voce

#Student Centred Activities will comprise of various co-curricular activities like game, hobby club, seminars, declamation contest, extension lectures, field visits, NCC, NSS and cultural activities etc.

Study & Evaluation Scheme

Third Semester

Sr. No.	Subject	L T P Hrs/Week			Evaluation Scheme						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper	Practical			
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr	
3.1	+Strength of Materials	3	1	2	25	25	100	3	50	3	200
3.2	++Thermodynamics	3	1	2	25	25	100	3	50	3	200
3.3	**Basics of Electrical and Electronics Engg.	3	-	2	25	25	100	3	50	3	200
3.4	*Workshop Technology-I	3	-	-	50	-	100	3	-	-	150
3.5	*Machine Drawing	-	-	6	-	50	100	3	25 (Viva)	2	175
3.6	*Workshop Practical –I	-	-	9	-	50	-	-	100	3	150
# Student Centered Activities		-	-	5	-	25	-	-	-	-	25
Total		12	2	26	125	200	500	-	275	-	1100

+Common with Mechanical Engineering (Tool & Die)

+Common with Production Engineering

* Common with Production Engineering/Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Mechanical Engineering (Tool & Die)/Ceramic Engineering

Study & Evaluation Scheme

Fourth Semester

Sr. No.	Subject	L T P Hrs/Week			Evaluation Scheme						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper	Practical			
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr	
4.1	*Materials & Metallurgy	3	-	2	25	25	100	3	50	3	200
4.2	Hydraulics & Hydraulic machines	2	-	2	25	25	100	3	50	3	200
4.3	Applied Thermodynamics	3	-	2	25	25	100	3	50	3	200
4.4	*Workshop Technology-II	3	-	-	50	-	100	3	-	3	150
4.5	++Machine Design & Drawing	3	-	3	25	25	100	3	25 (Viva)	2	175
4.6	*Workshop Practical –II	-	-	9	-	50	-	-	100	3	150
4.7	+Computer Applications in Mechanical Engg.	-	-	4	-	50	-	-	50	3	100
-	Industrial training for 4 weeks during summer vacations after IVth semester	To be evaluated in Vth semester									
# Student Centered Activities		-	-	4	-	25	-	-	-	-	25
Total		14	-	26	150	225	500	-	325	-	1200

* Common with Production Engineering/Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Mechanical Engineering/ Agriculture Technology

++Common with Production Engineering

Study & Evaluation Scheme

Fifth Semester

Sr. No.	Subject	L T P			Evaluation Scheme						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Theory	Practical	Written Paper	Practical						
		Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr				
-	Industrial training for 4 weeks during summer vacations	-	-	-	-	100	-	-	100	3	200
5.1	Theory of Machines	3	1	-	25	-	100	3	-	-	125
5.2	Refrigeration and Air-conditioning	3	1	2	25	25	100	3	50	3	200
5.3	**Industrial Engineering	4	-	-	50	-	100	3	-	-	150
5.4	*Workshop Technology-III	3	-	-	50	-	100	3	-	-	150
5.5	*CNC Machines & Automation	3	-	-	25	-	100	3	-	-	125
5.6	*Workshop Practice III	-	-	9	-	50	-	-	100	3	150
5.7	*CIM	2	-	4	-	50	-	-	50	3	100
# Student Centered Activities		-	-	5	-	25	-	-	-	-	25
Total		18	2	20	175	250	500	-	300	-	1225

* Common with Production Engineering/Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Mechanical Engineering (Tool & Die)/Automobile Engineering

Study & Evaluation Scheme

Sixth Semester

Sr. No.	Subject	L T P Hrs/Week			Evaluation Scheme						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper	Practical			
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr	
6.1	+Industrial management	3	-	-	50	-	100	3	-	-	150
6.2	*Inspection & Quality Control	3	-	2	25	25	100	3	50	3	200
6.3	Automobile Engineering	3	-	2	25	25	100	3	50	3	200
6.4	**Entrepreneurship Development and management	3	-	-	50	-	100	3	-	-	150
6.5	Installation Testing and Maintenance	3	-	4	25	25	100	3	50	3	200
6.6	Project Work	-	-	12	-	100	-	+	200	3	300
# Student Centered Activities		-	-	5	-	25	-	-	-	-	25
Total		15	-	25	175	200	500	-	350	-	1225

*Common with Production Engineering

* Common with Production Engineering/Automobile Engineering/ Agricultural Technology/ Mechanical Engineering (Tool & Die)

**Common with Production Engineering/Automobile Engineering/ Agricultural Technology /Textile Processing