

## 7. STUDY AND EVALUATION SCHEME (PRODUCTION ENGINEERING)

### FIRST SEMESTER

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
							Written Paper		Practical		
					Theory	Practical	Max. Marks	Max. Marks	Max. Marks	Hrs	
1.1*	Communication Skills -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*	Basics 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	26	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 games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

**SECOND SEMESTER**

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
							Written Paper		Practical		
					Theory	Practical	Max. Marks	Max. Marks	Max. Marks	Hrs	
2.1*	Communication Skills –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	2	-	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 Centred 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 games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

**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	Hrs	
3.1	*Computer Applications in Mechanical Engineering	-	-	4	-	50	-	-	50	3	100
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)	3	175
3.6	*Workshop Practice I	-	-	9	-	50	-	-	100	3	150
	Student Centred Activities	-	-	7	-	25	-	-	-	-	25
	Total	9	1	30	100	225	400	-	275	-	1000

\* Common with Mechanical Engineering

**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	Hrs	
4.1	*Materials & Metallurgy	3	-	2	25	25	100	3	50	3	200
4.2	<sup>+</sup> Hydraulic and Pneumatic Systems	3	-	2	25	25	100	3	50	3	200
4.3	<sup>++</sup> Basic Mechanical Engineering	3	1	2	25	25	100	3	50	3	200
4.4	*Workshop Technology- II	3	-	-	50	-	100	3	-	-	150
4.5	*Machine Design & Drawing	3	-	3	25	25	100	3	25	2	175
4.6	*Workshop Practice II	-	-	9	-	50	-	-	100	3	150
4.7	*Inspection & Quality Control	3	-	2	25	25	100	3	50	3	200
-	Industrial training for 4 weeks during vacations after IVth Semester	To be evaluated in the Vth Semester									
	Student Centred Activities	-	-	1	-	25	-	-	-	-	25
	Total	18	1	21	175	200	600	-	325	-	1300

\* Common with Mechanical Engineering

<sup>+</sup> Common with Mechanical Engineering (Tool and Die)

<sup>++</sup> Common with Automobile Engineering

**FIFTH 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	Hrs	
-	Industrial Training for 4 weeks during vacations	-	-	-	-	100	-	-	100	3	200
5.1	CAD	-	-	6	-	50	-	-	50	3	100
5.2	Material Management	3	-	2	25	25	100	3	50	-	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	-	150
5.7	Tool Engineering –I	3	-	3	25	25	100	3	50	3	200
	Student Centred Activities	-	-	4	-	25	-	-	-	-	25
	Total	16	-	24	175	275	500	-	350	-	1300

\* Common with Mechanical Engineering

**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	Hrs	
6.1	*Industrial Management	3	-	-	50	-	100	3	-	-	150
6.2	Tool Engineering - II	3	-	3	25	25	100	3	50	3	200
6.3	*CIM	2	-	4	-	50	-	-	50	3	100
6.4	* Entrepreneurship Development and management	3	-	-	50	-	100	3	-	-	150
6.5	Project Work	-	-	18	-	100	-	-	100	3	200
	Student Centred Activities	-	-	4	-	25	-	-	-	-	25
	Total	11	-	29	125	200	300	-	200	-	825

\* Common with Mechanical Engineering

## 8. DETAILED CONTENTS