

Course Structure of Diploma In Engineering Probidhan-2022 (Mechanical Allied)

Technology Name: Power Technology

Power Technology(71)

1st Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	21011	Engineering Drawing	-	6	2	-	-	-	50	50	100	100
2	25711	Bangla-I	2	-	2	40	60	100	-	-	-	100
3	25712	English-I	2	-	2	40	60	100	-	-	-	100
4	25811	Social Science	2	-	2	40	60	100	-	-	-	100
5	25812	Physical Education & Life Skills Development	-	3	1	-	-	-	25	25	50	50
6	25911	Mathematics -I	3	3	4	60	90	150	25	25	50	200
7	25912	Physics -I	3	3	4	60	90	150	25	25	50	200
8	27111	Power Engineering Fundamental	2	6	4	40	60	100	50	50	100	200
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period					35							
Theory:Practical (Ratio)			40.0%	60.0%								

Power Technology(71)

2nd Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25721	Bangla -II	2	-	2	40	60	100	-	-	-	100
2	25722	English-II	2	-	2	40	60	100	-	-	-	100
3	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
4	25921	Mathematics-II	3	3	4	60	90	150	25	25	50	200
5	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
6	27011	Basic Workshop Practice	-	3	1	-	-	-	25	25	50	50
7	27121	Power Equipment Management & Safety	1	3	2	20	30	50	25	25	50	100
8	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period					35							
Theory:Practical (Ratio)			40.0%	60.0%								

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3rd Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25922	Physics-II	3	3	4	60	90	150	25	25	50	200
2	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
3	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
4	27012	Machine Shop Practice- I	1	6	3	20	30	50	50	50	100	150
5	27131	Engineering Thermodynamics	3	3	4	60	90	150	25	25	50	200
6	27231	RAC Cycles & Components	2	3	3	40	60	100	25	25	50	150
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period					35							
Theory:Practical (Ratio)			40.0%	60.0%								

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4th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25841	Accounting	2	-	2	40	60	100	-	-	-	100
2	27041	Engineering Mechanics	2	3	3	40	60	100	25	25	50	150
3	27043	Metallurgy	2	3	3	40	60	100	25	25	50	150
4	27141	IC Engine Details	2	6	4	40	60	100	50	50	100	200
5	27142	Fuels & Lubricants	2	3	3	40	60	100	25	25	50	150
6	27143	Boiler Operation & Maintenance	2	3	3	40	60	100	25	25	50	150
7	28567	Progammig in C	2	3	3	40	60	100	25	25	50	150
Total			12	18	18	240	360	600	150	150	300	900
Total Period					30							
Theory:Practical (Ratio)			40.0%	60.0%								

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5th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25831	Business Communication	2	-	2	40	60	100	-	-	-	100
2	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
3	26241	Automotive Body Building	2	3	3	40	60	100	25	25	50	150
4	27051	Fluid Mechanics & Machineries	3	3	4	60	90	150	25	25	50	200
5	27053	Advanced Welding-I	2	6	4	40	60	100	50	50	100	200
6	27151	Fundamental of Hybrid & Electric Vehicle	2	3	3	40	60	100	25	25	50	150
7	27152	Power Plant Engineering	2	3	3	40	60	100	25	25	50	150
Total			15	18	21	300	450	750	150	150	300	1,050
Total Period					33							
Theory:Practical (Ratio)			45.5%	54.5%								

Power Technology(71)

6th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	26764	Transmission and Distribution of Electrical Power	3	3	4	60	90	150	25	25	50	200
2	27061	Strength of Materials	3	3	4	60	90	150	25	25	50	200
3	27062	Mechanical Measurement & Metrology	2	3	3	40	60	100	25	25	50	150
4	27065	Plant Engineering & Maintainance	2	3	3	40	60	100	25	25	50	150
5	27161	Engine Overhauling, Inspection & Testing	2	6	4	40	60	100	50	50	100	200
6	29041	Environmental Studies	2	3	3	40	60	100	25	25	50	150
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period					35							
Theory:Practical (Ratio)			40.0%	60.0%								

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7th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						Grand Total
						Theory Assessment			Practical Assessment			
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25851	Principles of Marketing	2	-	2	40	60	100	-	-	-	100
2	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
3	27071	Design of Machine Elements	3	3	4	60	90	150	25	25	50	200
4	27073	Heat Treatment of Metal	2	3	3	40	60	100	25	25	50	150
5	27171	Service Station Operation & Estimating	3	3	4	60	90	150	25	25	50	200
6	27172	Automotive Electricity, Electronics & Communication System	2	6	4	40	60	100	50	50	100	200
7	27173	Power Engineering Project	-	6	2	-	-	-	50	50	100	100
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period					35							
Theory:Practical (Ratio)			40.0%	60.0%								

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8th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						Grand Total
						Theory Assessment			Practical Assessment			
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	27181	Industrial Attachement	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
Total			-	36	12	-	-	-	300	300	600	600
Total Period					36							
Theory:Practical (Ratio)			0.0%	100.0%								

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Summary Structure (All Semester)

Sl. No.	Semester	Period Per Week		Credit	Marks Distribution						Grand Total
		Theory	Practical		Theory Assessment			Practical Assessment			
					Continuous	Final	Total	Continuous	Final	Total	
1	1st Semester	14	21	21	280	420	700	175	175	350	1,050
2	2nd Semester	14	21	21	280	420	700	175	175	350	1,050
3	3rd Semester	14	21	21	280	420	700	175	175	350	1,050
4	4th Semester	12	18	18	240	360	600	150	150	300	900
5	5th Semester	15	18	21	300	450	750	150	150	300	1,050
6	6th Semester	14	21	21	280	420	700	175	175	350	1,050
7	7th Semester	14	21	21	280	420	700	175	175	350	1,050
8	8th Semester	-	36	12	-	-	-	300	300	600	600
Total		97	177	156	1,940	2,910	4,850	1,475	1,475	2,950	7,800
Total Period		274									
Theory:Practical (Ratio)		35.4%	64.6%								