

**Course Structure of Diploma in Engineering Probidhan-2022 (Electrical Allied Technology)
Technology- Electrical Technology**

Electrical Technology(67)

1st 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	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	25812	Physical Education & Life skill Development	-	3	1	-	-	-	25	25	50	50
5	25911	Mathematics -I	3	3	4	60	90	150	25	25	50	200
6	25912	Physics-I	3	3	4	60	90	150	25	25	50	200
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
8	26712	Electrical Engineering Materials	2	0	2	40	60	100	-	-	-	100
Total			15	18	21	300	450	750	150	150	300	1,050
Total Period			33									
Theory:Practical (Ratio)			45.5%	54.5%								

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2nd 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	25721	Bangla -II	2	-	2	40	60	100	-	-	-	100
2	25722	English-II	2	-	2	40	60	100	-	-	-	100
3	25921	Mathematics-II	3	3	4	60	90	150	25	25	50	200
4	25922	Physics -II	3	3	4	60	90	150	25	25	50	200
5	26721	Electrical Circuits-I	3	3	4	60	90	150	25	25	50	200
6	26722	Electrical Engineering Drawing	1	6	3	20	30	50	50	50	100	150
7	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
Total			16	18	22	320	480	800	150	150	300	1,100
Total Period			34									
Theory:Practical (Ratio)			47.1%	52.9%								

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3rd 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	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
2	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
3	28511	Computer Office Applications	-	6	2	-	-	-	50	50	100	100
4	26731	Electrical Circuits-II	3	3	4	60	90	150	25	25	50	200
5	26732	Electrical Appliances	2	3	3	40	60	100	25	25	50	150
6	26833	Industrial Electronics	3	3	4	60	90	150	25	25	50	200
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						Grand Total
						Theory Assessment			Practical Assessment			
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25811	Social Science	2	-	2	40	60	100	-	-	-	100
2	25841	Accounting	2	-	2	40	60	100	-	-	-	100
3	26741	Electrical Installation,Planning and Estimating	3	3	4	60	90	150	25	25	50	200
4	26742	DC Machine	3	3	4	60	90	150	25	25	50	200
5	26743	Electrical Engineering Project-I	-	6	2	-	-	-	50	50	100	100
6	26845	Digital Electronics	3	3	4	60	90	150	25	25	50	200
7	27044	Applied Mechanics	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%								

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5th 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	Principle of Marketing	2	-	2	40	60	100	-	-	-	100
2	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
3	26751	Generation of Electrical Power	3	3	4	60	90	150	25	25	50	200
4	26752	Electrical & Electronic Measurements-I	2	3	3	40	60	100	25	25	50	150
5	26753	Testing and Maintannance of Electrical Equipments	2	3	3	40	60	100	25	25	50	150
6	26754	Electrical Engineering Project-II	-	6	2	-	-	-	50	50	100	100
7	26853	Microprocessor & Microcontroller	3	3	4	60	90	150	25	25	50	200
Total			14	18	20	280	420	700	150	150	300	1,000
Total Period					32							
Theory:Practical (Ratio)			43.8%	56.3%								

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6th 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	28567	Progammig in C	2	3	3	40	60	100	25	25	50	150
2	26761	AC Machine-I	3	3	4	60	90	150	25	25	50	200
3	26762	Transmission and Distribution of Electrical Power-I	3	3	4	60	90	150	25	25	50	200
4	26763	Electrical & Electronic Measurements-II	2	3	3	40	60	100	25	25	50	150
5	26842	Communication Engineering	3	3	4	60	90	150	25	25	50	200
6	29041	Environmental Studies	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%								

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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	25831	Business Communication	2	-	2	40	60	100	-	-	-	100
2	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
3	26771	AC Machine-II	3	3	4	60	90	150	25	25	50	200
4	26772	Transmission and Distribution of Electrical Power-II	3	3	4	60	90	150	25	25	50	200
5	26773	Switch Gear and Protection	3	3	4	60	90	150	25	25	50	200
6	26774	Electrical Engineering Project-III	-	6	2	-	-	-	50	50	100	100
7	26875	Automation Engineering & PLC	3	3	4	60	90	150	25	25	50	200
Total			16	18	22	320	480	800	150	150	300	1,100
Total Period			34									
Theory:Practical (Ratio)			47.1%	52.9%								

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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	26781	Industrial Attachment	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
3					-	-	-	-	-	-	-	-
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	15	18	21	300	450	750	150	150	300	1,050
2	2nd Semester	16	18	22	320	480	800	150	150	300	1,100
3	3rd Semester	14	21	21	280	420	700	175	175	350	1,050
4	4th Semester	15	18	21	300	450	750	150	150	300	1,050
5	5th Semester	14	18	20	280	420	700	150	150	300	1,000
6	6th Semester	15	18	21	300	450	750	150	150	300	1,050
7	7th Semester	16	18	22	320	480	800	150	150	300	1,100
8	8th Semester	-	36	12	-	-	-	300	300	600	600
Total		105	165	160	2,100	3,150	5,250	1,375	1,375	2,750	8,000
Total Period		270									
Theory:Practical (Ratio)		38.9%	61.1%								