

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

**Name of Technology: Electronics**

**Electronics Technology (68)**

**1st Semester**

Sl. No.	Subject Code & Name		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	25911	Mathematics -I	3	3	4	60	90	150	25	25	50	200
5	25912	Physics-I	3	3	4	60	90	150	25	25	50	200
6	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
7	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>15</b>	<b>18</b>	<b>21</b>	<b>300</b>	<b>450</b>	<b>750</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1050</b>
<b>Total Period</b>					<b>33</b>							
<b>Theory:Practical (%)</b>			<b>45.5%</b>	<b>54.5%</b>								

**Electronics Technology (68)**

**2nd Semester**

Sl. No.	Subject Code & Name		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	25811	Social Science	2	-	2	40	60	100	-	-	-	100
4	25812	Physical Education & Life skills Development	-	3	1	-	-	-	25	25	50	50
5	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
6	25921	Mathematics-II	3	3	4	60	90	150	25	25	50	200
7	26721	Electrical Circuits-I	3	3	4	60	90	150	25	25	50	200
8	26821	Electronic Devices and Circuits	3	3	4	60	90	150	25	25	50	200
<b>Total</b>			<b>18</b>	<b>15</b>	<b>23</b>	<b>360</b>	<b>540</b>	<b>900</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>1150</b>
<b>Total Period</b>					<b>33</b>							
<b>Theory:Practical (%)</b>			<b>54.5%</b>	<b>45.5%</b>								

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**3rd Semester**

Sl. No.	Subject Code & Name		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	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
4	26731	Electrical Circuits-II	3	3	4	60	90	150	25	25	50	200
5	26831	Digital Electronics -I	2	3	3	40	60	100	25	25	50	150
6	26832	Power Electronics	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>13</b>	<b>21</b>	<b>20</b>	<b>260</b>	<b>390</b>	<b>650</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1000</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (%)</b>			<b>38.2%</b>	<b>61.8%</b>								

**Electronics Technology (68)**

**4th Semester**

Sl. No.	Subject Code & Name		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	26741	Electrical Installation, Planning and Estimating	3	3	4	60	90	150	25	25	50	200
3	26742	DC Machine	3	3	4	60	90	150	25	25	50	200
4	26841	Digital Electronics -II	2	3	3	40	60	100	25	25	50	150
5	26842	Communication Engineering	2	3	3	40	60	100	25	25	50	150
6	26843	Networks, Filters and Transmission lines	2	3	3	40	60	100	25	25	50	150
7	26844	Electronic servicing	-	3	1		-		25	25	50	50
<b>Total</b>			<b>14</b>	<b>18</b>	<b>20</b>	<b>280</b>	<b>420</b>	<b>700</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1000</b>
<b>Total Period</b>			<b>32</b>									
<b>Theory:Practical (%)</b>			<b>43.8%</b>	<b>56.3%</b>								

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**Electronics Technology (68)**

**5th Semester**

Sl. No.	Subject Code & Name		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25851	Principles of Marketing	2	-	2	40	60	100	-	-	-	100
2	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
3	28567	Programming in C	2	3	3	40	60	100	25	25	50	150
4	26751	Generation of Electrical Power	3	3	4	60	90	150	25	25	50	200
5	26752	Electrical & Electronic Measurements-I	2	3	3	40	60	100	25	25	50	150
6	26851	Television Engineering	2	3	3	40	60	100	25	25	50	150
7	26852	Electronic Appliances	1	3	2	40	60	100				100
8	28654	Bio-Medical Instruments	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>16</b>	<b>18</b>	<b>22</b>	<b>340</b>	<b>510</b>	<b>850</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>1100</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (%)</b>			<b>47.1%</b>	<b>52.9%</b>								

**Electronics Technology (68)**

**6th Semester**

Sl. No.	Subject Code & Name		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	26761	AC Machine-I	3	3	4	60	90	150	25	25	50	200
2	26764	Transmission and Distribution of Eectrical Power	3	3	4	60	90	150	25	25	50	200
3	26763	Electrical & Electronic Measurements-II	2	3	3	40	60	100	25	25	50	150
4	26861	TV Studio and Broadcasting	2	3	3	40	60	100	25	25	50	150
5	26862	Microcontroller and Embedded System	2	3	3	40	60	100	25	25	50	150
6	26863	PCB Design and Prototyping	-	3	1	-	-	-	25	25	50	50
7	29041	Environmental Studies	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>14</b>	<b>21</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1050</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (%)</b>			<b>40.0%</b>	<b>60.0%</b>								

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

**Name of Technology: Electronics**

**Electronics Technology (68)**

**7th Semester**

Sl. No.	Subject Code & Name		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	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
3	26771	AC Machine-II	3	3	4	60	90	150	25	25	50	200
5	26871	Microwave Radar and Navigation Aids	2	3	3	40	60	100	25	25	50	150
6	26872	Industrial Automation and PLC	3	3	4	60	90	150	25	25	50	200
7	26873	Control System and Robotics	3	3	4	60	90	150	25	25	50	200
8	26874	Electronic Project	-	6	2	-	-	-	50	50	100	100
<b>Total</b>			<b>15</b>	<b>18</b>	<b>21</b>	<b>300</b>	<b>450</b>	<b>750</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1050</b>
<b>Total Period</b>					<b>33</b>							
<b>Theory:Practical (%)</b>			<b>45.5%</b>	<b>54.5%</b>								

**Electronics Technology (68)**

**8th Semester**

Sl. No.	Subject Code & Name		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	26881	Industrial Attachement	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
3					-	-	-	-	-	-	-	0
4					-	-	-	-	-	-	-	0
5					-	-	-	-	-	-	-	0
<b>Total</b>			<b>-</b>	<b>36</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>300</b>	<b>300</b>	<b>600</b>	<b>600</b>
<b>Total Period</b>					<b>36</b>							
<b>Theory:Practical (%)</b>			<b>0.0%</b>	<b>100.0%</b>								

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

**Electronics Technology (68)**

**Name of Technology: Electronics**

**Summary Structure (All Semester)**

Sl. No	Semester	Period Per Week		Credit	Marks Distribution						
		Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
					Continuous	Final	Total	Continuous	Final	Total	
1	1st Semester	15	18	21	300	450	750	150	150	300	1050
2	2nd Semester	18	15	23	360	540	900	125	125	250	1150
3	3rd Semester	13	21	20	260	390	650	175	175	350	1000
4	4th Semester	14	18	20	280	420	700	150	150	300	1000
5	5th Semester	16	18	22	340	510	850	125	125	250	1100
6	6th Semester	14	21	21	280	420	700	175	175	350	1050
7	7th Semester	15	18	21	300	450	750	150	150	300	1050
8	8th Semester	-	36	12	-	-	-	300	300	600	600
<b>Total</b>		<b>105</b>	<b>165</b>	<b>160</b>	<b>2,120</b>	<b>3,180</b>	<b>5,300</b>	<b>1,350</b>	<b>1,350</b>	<b>2,700</b>	<b>8000</b>
<b>Total Period</b>		<b>270</b>									
<b>Theory:Practical (%)</b>		<b>38.9%</b>	<b>61.1%</b>								