

**Course Structure Diploma In Engineering Probidhan\_2022 (Chemical Allied)**

**Technology Name: Chemical Technology**

**Chemical Technology (63)**

**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	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	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
7	26311	Chemical Engineering Fundamentals	2	3	3	40	60	100	25	25	50	150
8	26312	Safety in Chemical Industry	1	3	2	20	30	50	25	25	50	100
<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>1,000</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (Ratio)</b>			<b>38.2%</b>	<b>61.8%</b>								

**Chemical Technology (63)**

**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	25912	Physics -I	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	26321	Basic Stoichiometry	2	3	3	40	60	100	25	25	50	150
6	26322	Chemical Engineering Drawing	-	6	2	-	-	-	50	50	100	100
7	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
8	27011	Basic Workshop Practice	-	3	1	-	-	-	25	25	50	50
<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>1,050</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (Ratio)</b>			<b>40.0%</b>	<b>60.0%</b>								

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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	25811	Social Science	2	-	2	40	60	100	-	-	-	100
2	25922	Physics-II	3	3	4	60	90	150	25	25	50	200
3	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
4	26331	Chemical Engineering Operation-I	2	3	3	40	60	100	25	25	50	150
5	26332	Industrial Chemistry	2	3	3	40	60	100	25	25	50	150
6	26333	Chemical Engineering Materials	2	3	3	40	60	100	25	25	50	150
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
<b>Total</b>			<b>17</b>	<b>18</b>	<b>23</b>	<b>340</b>	<b>510</b>	<b>850</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1,150</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (Ratio)</b>			<b>48.6%</b>	<b>51.4%</b>								

**Chemical Technology (63)**

**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	25831	Businees Communication	2	-	2	40	60	100	-	-	-	100
2	25841	Accounting	2	-	2	40	60	100	-	-	-	100
3	26341	Chemical Engineering Operation-II	2	3	3	40	60	100	25	25	50	150
4	26342	Chemical Process Industries-I	2	3	3	40	60	100	25	25	50	150
5	26343	Oil, Fats & Waxes	2	3	3	40	60	100	25	25	50	150
6	26344	Analytical Chemistry	2	3	3	40	60	100	25	25	50	150
7	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
8	27041	Engineering Mechanics	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>1,050</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (Ratio)</b>			<b>40.0%</b>	<b>60.0%</b>								

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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	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
2	26351	Chemical Engineering Operation-III	3	3	4	60	90	150	25	25	50	200
3	26352	Chemical Process Industries-II	2	3	3	40	60	100	25	25	50	150
4	26353	Water Treatment Technology	2	3	3	40	60	100	25	25	50	150
5	26354	Industrial Instrumentation & Process Control	2	3	3	40	60	100	25	25	50	150
6	26355	Refrigeration & Cold Storage	2	3	3	40	60	100	25	25	50	150
7	26356	Industrial Production Engineering	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>1,050</b>
<b>Total Period</b>			<b>33</b>									
<b>Theory:Practical (Ratio)</b>			<b>45.5%</b>	<b>54.5%</b>								

**Chemical Technology (63)**

**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	25851	Principle of Marketing	2	-	2	40	60	100	-	-	-	100
2	26361	Chemical Engineering Operation-IV	3	3	4	60	90	150	25	25	50	200
3	26362	Chemical Process Industries-III	2	3	3	40	60	100	25	25	50	150
4	26363	Petroleum & Petrochemicals	2	3	3	40	60	100	25	25	50	150
5	26364	Industrial Stoichiometry & Thermodynamics	2	3	3	40	60	100	25	25	50	150
6	26365	Instrumental Methods of Analysis	2	3	3	40	60	100	25	25	50	150
7	26366	Jute & Textile Technology	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>1,050</b>
<b>Total Period</b>			<b>33</b>									
<b>Theory:Practical (Ratio)</b>			<b>45.5%</b>	<b>54.5%</b>								

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**7th 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	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
2	26371	Chemical Engineering Operation-V	2	3	3	40	60	100	25	25	50	150
3	26372	Chemical Process Industries-IV	2	3	3	40	60	100	25	25	50	150
4	26373	Natural Gas & Fertilizer	2	3	3	40	60	100	25	25	50	150
5	26374	Plastic & Polymer Technology	2	3	3	40	60	100	25	25	50	150
6	26375	Corrosion Technology	2	3	3	40	60	100	25	25	50	150
7	26376	Chemical Engineering Project	-	3	1	-	-	-	25	25	50	50
8	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>1,050</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (Ratio)</b>			<b>40.0%</b>	<b>60.0%</b>								

**Chemical Technology (63)**

**8th 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	26381	Industrial Attachment	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
<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 (Ratio)</b>			<b>0.0%</b>	<b>100.0%</b>								

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**Chemical Technology (63)**

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**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	13	21	20	260	390	650	175	175	350	1,000
2	2nd Semester	14	21	21	280	420	700	175	175	350	1,050
3	3rd Semester	17	18	23	340	510	850	150	150	300	1,150
4	4th Semester	14	21	21	280	420	700	175	175	350	1,050
5	5th Semester	15	18	21	300	450	750	150	150	300	1,050
6	6th Semester	15	18	21	300	450	750	150	150	300	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
<b>Total</b>		<b>102</b>	<b>174</b>	<b>160</b>	<b>2,040</b>	<b>3,060</b>	<b>5,100</b>	<b>1,450</b>	<b>2,900</b>	<b>2,900</b>	<b>8,000</b>
<b>Total Period</b>		<b>276</b>									
<b>Theory:Practical (Ratio)</b>		<b>37.0%</b>	<b>63.0%</b>								