

**Course Structure Diploma in Engineering Probidhan 2022 (Marine Allied)**

**Technology Name: Marine Technology**

**Marine Technology (79)**

**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 skills 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	27011	Basic Workshop Practice	-	3	1	-	-	-	25	25	50	50
<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>								

**Marine Technology (79)**

**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	25922	Physics -II	3	3	4	60	90	150	25	25	50	200
6	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
7	27012	Machine Shop Practice I	1	6	3	20	30	50	50	50	100	150
8	28021	General Ship Knowledge	1	-	1	20	30	50	-	-	-	50
<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>								

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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	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
3	27032	Machine Shop Practice II	1	6	3	20	30	50	50	50	100	150
4	27041	Engineering Mechanics	2	3	3	40	60	100	25	25	50	150
5	27131	Engineering Thermodynamics	3	3	4	60	90	150	25	25	50	200
6	27931	Marine IC Engine-I	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>11</b>	<b>18</b>	<b>17</b>	<b>220</b>	<b>330</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>850</b>
<b>Total Period</b>			<b>29</b>									
<b>Theory:Practical (%)</b>			<b>37.9%</b>	<b>62.1%</b>								

**Marine Technology (79)**

**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	27043	Metallurgy	2	3	3	40	60	100	25	25	50	150
3	27941	Fluid Mechanics & Hydraulic Machinery	3	3	4	60	90	150	25	25	50	200
4	27942	Marine IC Engine- II	3	3	4	60	90	150	25	25	50	200
5	28041	Naval Architecture	3	-	3	60	90	150	-	-	-	150
6	28042	Welding	1	6	3	20	30	50	50	50	100	150
7	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
<b>Total</b>			<b>4</b>	<b>12</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>400</b>
<b>Total Period</b>			<b>16</b>									
<b>Theory:Practical (%)</b>			<b>25.0%</b>	<b>75.0%</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	27951	Marine Auxiliary Systems	2	3	3	40	60	100	25	25	50	150
2	27952	Marine Boiler & Steam Engineering	2	3	3	40	60	100	25	25	50	150
3	27953	Marine Fuels & Lubricants	2	-	2	40	60	100	-	-	-	100
4	27954	Marine IC Engine Operation & Maintenance	1	3	2	20	30	50	25	25	50	100
5	27955	Basic Safety & Security	2	6	4	40	60	100	50	50	100	200
6	27956	Maritime Laws	2	-	2	40	60	100	-	-	-	100
7	27957	Machine Drawing	-	3	1	-	-	-	25	25	50	50
8	28053	Ship Construction & Repair	3	3	4	60	90	150	25	25	50	200
<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>								

**Marine Technology (79)**

**6 th 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	27061	Strength of Materials	3	3	4	60	90	150	25	25	50	200
3	27063	CAD & CAM	1	6	3	20	30	50	50	50	100	150
4	27961	Power System Protection	1	3	2	20	30	50	25	25	50	100
5	27962	Marine Electrical Installation & Instrumentation	2	3	3	40	60	100	25	25	50	150
6	27963	Shipboard Deck machinery, Out-fittings & Bridge Equipment	1	3	2	20	30	50	25	25	50	100
7	27964	Marine Propulsion & Steering System	2	3	3	40	60	100	25	25	50	150
8	27965	Marine Enviromental Science	2	-	2	40	60	100	-	-	-	100
<b>Total</b>			<b>8</b>	<b>12</b>	<b>12</b>	<b>160</b>	<b>240</b>	<b>400</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>600</b>
<b>Total Period</b>			<b>20</b>									
<b>Theory:Practical (%)</b>			<b>40.0%</b>	<b>60.0%</b>								

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**7 th 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	Principles of Marketing	2	-	2	40	60	100	-	-	-	100
2	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
3	27971	Leadership & Professional Ethics	2	-	2	40	60	100	-	-	-	100
4	27972	Advanced Machine Drawing	-	6	2	-	-	-	50	50	100	100
5	27973	Marine IC Engine Overhauling and Record Keeping	1	6	3	20	30	50	50	50	100	150
6	27974	Career Guideline in Maritime Sector	2	-	2	40	60	100	-	-	-	100
7	27975	Applied Mechanics	3	3	4	60	90	150	25	25	50	200
8	27976	Applied Heat	2	-	2	40	60	100	-	-	-	100
9	27977	Control Engineering & Mechatronics	3	3	4	60	90	150	25	25	50	200
<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>								

**Marine Technology (79)**

**8 th 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	27981	Industrial Atachment	-	24	8	-	-	-	200	200	400	400
		Presentation on Industrial Atachements	-	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 (%)</b>			<b>0.0%</b>	<b>100.0%</b>								

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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	1000
2	2nd Semester	15	18	21	300	450	750	150	175	300	1050
3	3rd Semester	11	18	17	220	330	550	150	175	300	850
4	4th Semester	4	12	8	80	120	200	100	100	200	400
5	5th Semester	14	21	21	280	420	700	175	125	350	1050
6	6th Semester	8	12	12	160	240	400	100	100	200	600
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>80</b>	<b>156</b>	<b>132</b>	<b>1,600</b>	<b>2,400</b>	<b>4,000</b>	<b>1,300</b>	<b>1,300</b>	<b>2,600</b>	<b>6600</b>
<b>Total Period</b>		<b>236</b>									
<b>Theory:Practical (%)</b>		<b>33.9%</b>	<b>66.1%</b>								