

Course Structure of Diploma in Engineering Probidhan-2022 (Surveying Allied)
Technology Name: Surveying Technology

Surveying Technology (78)

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	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	26411	Civil Engineering Materials	2	3	3	40	60	100	25	25	50	150
8	26711	Basic Electricity	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%								

Surveying Technology (78)

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	25812	Physical Education & Life skills Development	-	3	1	-	-	-	25	25	50	50
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	26611	Computer Office Application	-	6	2	-	-	-	50	50	100	100
7	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
8	27821	Basic Surveying	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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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	25913	Chemistry	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	25915	Statistics	2	-	2	40	60	100	-	-	-	100
4	26434	Basic Construction Process	2	3	3	40	60	100	25	25	50	150
5	27831	Leveling	2	3	3	40	60	100	25	25	50	150
6	27832	Survey CAD	1	3	2	20	30	50	25	25	50	100
7	27833	Introduction of Geography	2	-	2	40	60	100	-	-	-	100
8	27834	Geodetic Surveying	2	3	3	40	60	100	25	25	50	150
Total			17	18	23	340	510	850	150	150	300	1,150
Total Period			35									
Theory:Practical (Ratio)			48.6%	51.4%								

Surveying Technology (78)

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	25831	Business Communication	2	-	2	40	60	100	-	-	-	100
2	26431	Structural Mechanics	2	3	3	40	60	100	25	25	50	150
3	26447	Basic Estimating & Costing	2	3	3	40	60	100	25	25	50	150
4	27841	Aerial Photography and Photogrammetry	1	3	2	20	30	50	25	25	50	100
5	27842	Fundamentals of GIS	2	3	3	40	60	100	25	25	50	150
6	27843	Advanced Surveying-I	2	6	4	40	60	100	50	50	100	200
7	27844	Digital Cartography	2	3	3	40	60	100	25	25	50	150
Total			13	21	20	260	390	650	175	175	350	1,000
Total Period			34									
Theory:Practical (Ratio)			38.2%	61.8%								

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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	25841	Accounting	2	-	2	40	60	100	-	-	-	100
2	26454	Theory of Structure	2	3	3	40	60	100	25	25	50	150
3	26621	Python Programming	2	3	3	40	60	100	25	25	50	150
4	27851	Advanced GIS	2	3	3	40	60	100	25	25	50	150
5	27852	Hydraulics & Hydrology	2	3	3	40	60	100	25	25	50	150
6	27853	Advanced Surveying-II	2	3	3	40	60	100	25	25	50	150
7	27854	Land Laws of Bangladesh	2	-	2	40	60	100	-	-	-	100
8	29041	Environmental Studies	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%								

Surveying Technology (78)

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	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
2	26463	Transportation Engineering-I	2	3	3	40	60	100	25	25	50	150
5	26464	Design of Structure-I	2	3	3	40	60	100	25	25	50	150
1	27861	Principles of Topographic Survey	2	-	2	40	60	100	-	-	-	100
2	27862	Application of Python Programming	-	6	2	-	-	-	50	50	100	100
6	27863	Hydrographic Surveying	2	3	3	40	60	100	25	25	50	150
7	27864	Survey Project-I	-	6	2	-	-	-	50	50	100	100
8	27865	Preparation and Maintainces of Land Records	2	-	2	40	60	100	-	-	-	100
Total			12	21	19	240	360	600	175	175	350	950
Total Period			33									
Theory:Practical (Ratio)			36.4%	63.6%								

Course Structure of Diploma in Engineering Probidhan-2022 (Surveying Allied)
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Surveying Technology (78)

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	25851	Principles of Marketing	2	-	2	40	60	100	-	-	-	100
2	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
4	26473	Transportation Enggineering-II	2	3	3	40	60	100	25	25	50	150
3	26474	Design of Structure -II	2	3	3	40	60	100	25	25	50	150
5	27871	Mine Surveying	2	3	3	40	60	100	25	25	50	150
6	27872	Survey Project-II	-	6	2	-	-	-	50	50	100	100
8	27873	Remote Sensing	2	3	3	40	60	100	25	25	50	150
7	28871	Construction Mangement & Document	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%								

Surveying Technology (78)

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	67881	Industrial Attachement	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
3					-	-	-	-	-	-	-	-
4					-	-	-	-	-	-	-	-
5					-	-	-	-	-	-	-	-
6					-	-	-	-	-	-	-	-
7					-	-	-	-	-	-	-	-
8					-	-	-	-	-	-	-	-
Total			-	36	12	-	-	-	300	300	600	600
Total Period					36							
Theory:Practical (Ratio)			0.0%	100.0%								

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Surveying Technology (78)

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	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	17	18	23	340	510	850	150	150	300	1,150
4	4th Semester	13	21	20	260	390	650	175	175	350	1,000
5	5th Semester	16	18	22	320	480	800	150	150	300	1,100
6	6th Semester	12	21	19	240	360	600	175	175	350	950
7	7th Semester	14	21	21	280	420	700	175	175	350	1,050
8	8th Semester	-	36	12	-	-	-	300	300	600	600
Total		104	168	160	2,080	3,120	5,200	1,400	1,400	2,800	8,000
Total Period		272									
Theory:Practical (Ratio)		38.2%	61.8%								