

**DIPLOMA IN ENGINEERING
PROBIDHAN-2016**

Electro- medical Technology

1st Semester

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				
						Theory		Practical		Total
						Cont. assess	Final exam	Cont. assess	Final exam	
1	61011	Engineering Drawing	0	6	2	0	0	50	50	100
2	65711	Bangla	3	3	4	60	90	50	0	200
3	65812	Physical Education & Life Skill Development	0	3	1	0	0	25	25	50
4	65911	Mathematics-I	3	3	4	60	90	50	0	200
5	65913	Chemistry	3	3	4	60	90	25	25	200
6	66711	Basic Electricity	3	3	4	60	90	25	25	200
7	68611	Human Anatomy & Physiology	2	0	2	40	60	0	0	100
	Total		14	21	21	280	420	225	125	1050

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2nd SEMESTER

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	67011	Basic Workshop Practice	0	6	2	0	0	50	50	100
2	65712	English	2	0	2	40	60	0	0	100
3	65912	Physics -1	3	3	4	60	90	25	25	200
4	65921	Mathematics -2	3	3	4	60	90	50	0	200
5	66721	Electrical Circuits -1	3	3	4	60	90	25	25	200
6	66811	Basic Electronics	2	3	3	40	60	25	25	150
7	68621	Fundamentals of Biomedical Engineering	2	3	3	40	60	25	25	150
Total			15	21	22	300	450	200	150	1100

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3rd SEMESTER

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	68631	Clinical Chemistry	2	3	3	40	60	25	25	150
2	66611	Computer Application	0	6	2	0	0	50	50	100
3	66731	Electrical Circuit -2	3	3	4	60	90	25	25	200
4	65931	Mathematics -3	3	3	4	60	90	50	0	200
5	65922	Physics -2	3	3	4	60	90	25	25	200
6	65722	Communicative English	1	3	2	20	30	50	0	100
7	65811	Social Science	3	0	3	60	90	0	0	150
Total			15	21	22	300	450	225	125	1100

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4th SEMESTER

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	68641	Medical Transducer & Sensors	2	3	3	40	60	25	25	150
2	68642	Operating Room Equipment & Safety	2	3	3	40	60	25	25	150
3	68643	Biomedical Signal Processing	2	3	3	40	60	25	25	150
4	66834	Digital Electronics	3	3	4	60	90	25	25	200
5	66744	Electrical Machines	2	3	3	40	60	25	25	150
6	69054	Environmental Studies	2	0	2	40	60	0	0	100
7	65841	Business Organization & Communication	2	0	2	40	60	0	0	100
Total			15	15	20	300	450	125	125	1000

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5th SEMESTER

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	68651	Bio-medical Instrumentation & Measurements	3	3	4	60	90	25	25	200
2	68652	Dental Equipment	2	3	3	40	60	25	25	150
3	68653	Anesthesia & Respiratory Equipment	2	3	3	40	60	25	25	150
4	68654	Coronary & Intensive Care Unit Equipment	2	3	3	40	60	25	25	150
5	68655	LASER in Medical Field	1	3	2	20	30	25	25	100
6	66631	Programming Essentials	2	3	3	40	60	25	25	150
7	65851	Accounting Theory & Practice	2	3	3	40	60	50	0	150
Total			14	21	21	280	420	200	150	1050

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6th SEMESTER

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	68661	Robotics & Robotic Surgery	2	3	3	40	60	25	25	150
2	68662	Radiology & Imaging Equipment	3	3	4	60	90	25	25	200
3	68663	Physiotherapy and Rehabilitation Devices	2	3	3	40	60	25	25	150
4	68664	Computer Aided Design in Biomedical Engineering	0	6	2	0	0	50	50	100
5	68665	Microprocessors & Biomedical Applications	3	3	4	60	90	25	25	200
6	65852	Industrial Management	2	0	2	40	60	0	0	100
Total			12	18	18	240	360	150	150	900

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7th SEMESTER

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	68671	Diagnostic and Laboratory Equipment	2	3	3	40	60	25	25	150
2	68672	Medical Physics and Nuclear Instruments	3	3	4	60	90	25	25	200
3	68673	Microcontroller and Embedded Biomedical System	2	3	3	40	60	25	25	150
4	68674	Advanced Biomedical Equipment	3	3	4	60	90	25	25	200
5	68675	Biomedical Engineering Project	0	6	2	0	0	50	50	100
6	65853	Innovation & Entrepreneurship	2	0	2	40	60	0	0	100
Total			12	18	18	240	360	150	150	900