

DIPLOMA IN ENGINEERING
PROBIDHAN-2016

INSTRUMENTATION AND PROCESS CONTROL TECHNOLOGY (691)
1st 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	69111	Fundamentals of Instrumentation & Process Control	2	3	3	40	60	25	25	150
2	67011	Basic Workshop Practice	0	6	2	0	0	50	50	100
3	66712	Electrical Engineering Fundamentals	3	3	4	60	90	25	25	200
4	65911	Mathematics-1	3	3	4	60	90	50	0	200
5	65913	Chemistry	3	3	4	60	90	25	25	200
6	65811	Social Science	3	0	3	60	90	0	0	150
7	65812	Physical Education & Life Skill Development	0	3	1	0	0	25	25	50
Total			14	21	21	280	420	200	150	1050

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	69121	Basic Measurement	2	3	3	40	60	25	25	150
2	66822	Electronic Engineering Fundamentals	3	3	4	60	90	25	25	200
3	67024	Mechanical Engineering Drawing	0	6	2	0	0	50	50	100
4	65921	Mathematics-2	3	3	4	60	90	50	0	200
5	65912	Physics-1	3	3	4	60	90	25	25	200
6	65712	English	2	0	2	40	60	0	0	100
7	65711	Bangla	3	3	4	60	90	50	0	200
Total			16	21	23	320	480	225	125	1150

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	66611	Computer Application	0	6	2	0	0	50	50	100
2	69131	Principle of Instrumentation	3	3	4	60	90	25	25	200
3	66834	Digital Electronics	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
Total			13	21	20	260	390	225	125	1000

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	69141	Advance Control System	2	3	3	40	60	25	25	150
2	69142	Process Control & Controller	3	3	4	60	90	25	25	200
3	69143	Industrial Instrumentation	3	3	4	60	90	25	25	200
4	66743	Electrical Circuits & Machine	3	3	4	60	90	25	25	200
5	66631	Programming Essentials	2	3	3	40	60	25	25	150
6	65841	Business Organization and Communication	2	0	2	40	60	0	0	100
Total			15	15	20	300	450	125	125	1000

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	69151	Microcontroller in Control System	2	3	3	40	60	25	25	150
2	69152	Advance Process Control & Controller	2	3	3	60	90	25	25	200
3	69153	Signal Processing & Conditioning	2	3	3	40	60	25	25	150
4	69154	Medical Instrumentation	3	3	4	60	90	25	25	200
5	69155	Process Control & Instrumentation Workshop	0	6	2	0	0	50	50	100
6	69054	Environmental Studies	2	0	2	40	60	0	0	100
7	65851	Accounting Theory & Practice	2	3	3	40	60	50	0	150
Total			13	21	20	280	420	200	150	1050

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	69161	Analytical Instrument	2	3	3	40	60	25	25	150
2	69162	Programmable Logic Controller	2	3	3	40	60	25	25	150
3	69163	Industrial Communication Engineering	3	3	4	60	90	25	25	200
4	69164	Generation, transmission & distribution of power	3	3	4	60	90	25	25	200
5	69165	Instrumentation and Process Control Project-1	0	6	2	0	0	50	50	100
6	65852	Industrial Management	2	0	2	40	60	0	0	100
Total			12	18	18	240	360	150	150	900

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	69171	Industrial Automation & Robotics	3	3	4	60	90	25	25	200
2	69172	Essential Test Equipment	2	3	3	40	60	25	25	150
3	69173	Fundamentals of Mechatronics	3	3	4	60	90	25	25	200
4	69174	Modern Equipment Maintenance Technique	2	3	3	40	60	25	25	150
5	69175	Instrumentation and Process Control Project-2	0	6	2	0	0	50	50	100
6	67051	Hydraulics & Hydraulic Machineries	3	3	4	60	90	25	25	200
7	65853	Innovation & Entrepreneurship	2	0	2	40	60	0	0	100
Total			15	21	22	300	450	175	175	1100

8th 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	69181	Instrumentation And Process Control Technology Industrial Training	0	0	6	0	0	150	0	300
		Graduation Project Presentation				0	0	0	150	
Total			0	0	6	0	0	150	150	300