

**DIPLOMA IN ENGINEERING  
PROBIDHAN-2016**

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

DIPLOMA IN ENGINEERING  
PROBIDHAN-2016

## INSTRUMENTATION AND PROCESS CONTROL TECHNOLOGY (691)

### 2<sup>nd</sup> 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	2	3	3	40	60	25	25	150
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			15	21	22	300	450	225	125	1100

DIPLOMA IN ENGINEERING  
PROBIDHAN-2016

## INSTRUMENTATION AND PROCESS CONTROL TECHNOLOGY (691)

### 3<sup>rd</sup> 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

DIPLOMA IN ENGINEERING  
PROBIDHAN-2016

## INSTRUMENTATION & PROCESS CONTROL TECHNOLOGY (691)

### 4<sup>th</sup> 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	66631	Programming Essentials	2	3	3	40	60	25	25	150
5	66743	Electrical Circuits & Machine	3	3	4	60	90	25	25	200
6	65841	Business Organization and Communication	2	0	2	40	60	0	0	100
Total			15	15	20	300	450	125	125	1000

DIPLOMA IN ENGINEERING  
PROBIDHAN-2016

## INSTRUMENTATION & PROCESS CONTROL TECHNOLOGY (691)

### 5<sup>th</sup> 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	40	60	25	25	150
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	260	390	200	150	1000

DIPLOMA IN ENGINEERING  
PROBIDHAN-2016

## INSTRUMENTATION & PROCESS CONTROL TECHNOLOGY 6<sup>th</sup> 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

DIPLOMA IN ENGINEERING  
PROBIDHAN-2016

**INSTRUMENTATION & PROCESS CONTROL TECHNOLOGY (691)**  
**7<sup>th</sup> 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