

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION
SEMESTER WISE COMPREHENSIVE CURRICULAR STRUCTURE FOR
FULL- TIME THREE-YEARS DIPLOMA COURSE IN
ELECTRICAL ENGINEERING (INDUSTRIAL CONTROL)
(COURSE CODE: EEIC)

SEMESTER	PERIODS			EVALUATION SCHEME						CREDITS	
	L	T	P	INTERNAL EVALUATION			ESE	PRACTICAL (SESSIONAL)			TOTAL MARKS
				TA	CT	TOTAL		(INT.)	(EXT.)		
3	18	0	15	55	110	165	385	225	175	950	26
4	16	1	16	50	100	150	350	225	175	900	25
5	17	0	16	50	100	150	350	225	200	925	25
6	18	2	13	50	100	150	350	275	125	900	24
TOTAL	68	3	60	205	410	615	1435	900	725	3675	100
							2050	1625			

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: ***DIPLOMA IN ELECTRICAL ENGINEERING (INDUSTRIAL CONTROL)***

COURSE CODE : ***EEIC***

DURATION OF COURSE : 6 SEMESTER

SEMESTER: ***THIRD SEMESTER***

Sl. No.	SUBJECT	PERIODS			EVALUATION SCHEME							CREDITS
		L	T	P	INTERNAL EVALUATION			ESE	PRACTICAL (SESSIONAL)		TOTAL MARKS	
					TA	CT	TOTAL		(INT.)	(EXT.)		
1	Electrical Circuits & Network	3	--	2	10	20	30	70	25	25	150	5
2	Basic Electronics	3	--	2	10	20	30	70	25	25	150	4
3	Electrical Machine - I	3	--	3	10	20	30	70	50	50	200	5
4	Electrical & Electronic Measuring Instruments	4	--	2	10	20	30	70	25	25	150	4
5	Programming concept using C	2	--	2	5	10	15	35	25	25	100	3
6	Control Theory	3	--	--	10	20	30	70			100	3
7	Electrical Workshop - I	--	--	2					25	25	50	1
8	Professional Practices - I	--	--	2					50		50	1
	TOTAL	18	0	15	55	110	165	385	225	175	950	26
							550		400			

STUDENT CONTACT HOURS PER WEEK: **33 HRS**

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

ABBREVIATIONS: L - Lecture, T - Tutorial, P - Practical, TA - Teachers Assessment, CT- Class Test, ESE - End Semester Exam, INT-Internal, EXT-External

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 950

Minimum passing marks for sessional is 40%, and for theory subject 40%.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: **DIPLOMA IN ELECTRICAL ENGINEERING (INDUSTRIAL CONTROL)**

COURSE CODE : **EEIC**

DURATION OF COURSE : 6 SEMESTER

SEMESTER: **FOURTH SEMESTER**

Sl. No.	SUBJECT	PERIODS			EVALUATION SCHEME						CREDITS	
		L	T	P	SESSIONAL EXAM			ESE (EXT.)	PRACTICAL (SESSIONAL)			TOTAL MARKS
	TA				CT	(INT.)	(INT.)		(EXT.)			
1	Transfer System of Electrical Power	03	--	02	10	20	30	70	25	25	150	4
2	Applied and Digital Electronics	03	--	02	10	20	30	70	25	25	150	4
3	Electrical Machine - II	03	01	03	10	20	30	70	50	50	200	5
4	Computer aided Electrical Drawing	--	--	03					25	25	50	2
5	Power Plant Engineering	04	--	--	10	20	30	70			100	4
6	Power Electronics & its Applications	03	--	02	10	20	30	70	25	25	150	3
7	Development of Life Skill-II	--	--	02					25	25	50	2
8	Professional Practices - II	--	--	02					50		50	1
TOTAL		16	01	16	50	100	150	350	225	175	900	25
								500	400			

STUDENT CONTACT HOURS PER WEEK: **33 HRS**

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

ABBREVIATIONS: L - Lecture, T - Tutorial, P - Practical, TA - Teachers Assessment, CT- Class Test, ESE - End Semester Exam, INT-Internal, EXT-External

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 900

Minimum passing for sessional marks is 40%, and for theory subject 40%.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: **DIPLOMA IN ELECTRICAL ENGINEERING (INDUSTRIAL CONTROL)**

COURSE CODE : **EEIC**

DURATION OF COURSE : 6 SEMESTER

SEMESTER: **FIFTH SEMESTER**

Sl. No.	SUBJECT	PERIODS			EVALUATION SCHEME							CREDITS
	THEORY	L	T	P	SESSIONAL EXAM			ESE	PRACTICAL (SESSIONAL)		TOTAL MARKS	
					TA	CT	TOTAL		(INT.)	(EXT.)		
1	Industrial Control - I	03	--	03	10	20	30	70	25	50	175	5
2	Switchgear & Protection	03	--	02	10	20	30	70	25	25	150	4
3	Microprocessor & Microcontroller	03	--	02	10	20	30	70	25	25	150	4
4	Industrial Instrumentation	04	--	02	10	20	30	70	50	25	175	5
6	Industrial Project & Entrepreneurship Development	01	--	03					25	50	75	3
7	Elective - I (Any One) 1) Power Plant Instrumentation & Control 2) Heating, Ventilation and Air conditioning 3) Energy Conservation & Audit 3) Illumination Engineering	03	--	02	10	20	30	70	25	25	150	3
8	Professional Practices - III	--	--	02			00		50		50	1
	TOTAL	17	00	16	50	100	150	350	225	200	925	25
								500		425		

STUDENT CONTACT HOURS PER WEEK: **33 HRS**

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

ABBREVIATIONS: L - Lecture, T - Tutorial, P - Practical, TA - Teachers Assessment, CT- Class Test, ESE - End Semester Exam, INT-Internal, EXT-External

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 925

Minimum passing for sessional marks is 40%, and for theory subject 40%.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: **DIPLOMA IN ELECTRICAL ENGINEERING (INDUSTRIAL CONTROL)**

COURSE CODE : **EEIC**

DURATION OF COURSE : 6 SEMESTER

SEMESTER: **SIXTH SEMESTER**

Sl. No.	SUBJECT	PERIODS			EVALUATION SCHEME							CREDITS
	THEORY	L	T	P	SESSIONAL EXAM			ESE	PRACTICAL (SESSIONAL)		TOTAL MARKS	
					TA	CT	TOTAL		(INT.)	(EXT.)		
1	Industrial Control - II	04	--	--	10	20	30	70	--	--	100	3
2	Electrical Installation, Maintenance & Safety	03	--	--	10	20	30	70	--	--	100	3
3	Industrial Control - III	04	02	04	10	20	30	70	50	50	200	5
4	Industrial Management	03	--	--	10	20	30	70			100	3
5	Elective - II (Any One) 1) Control of Electrical Machines 2) Industrial Automation 3) Computer Hardware & Networking	03	--	02	10	20	30	70	25	25	150	3
6	Industrial Project	--	--	04					50	50	100	3
7	Professional Practices - IV	--	--	03					50		50	1
8	General Viva Voce	--	--	--					100		100	3
	TOTAL	17	02	13	50	100	150	350	275	125	900	24
								500		400		

STUDENT CONTACT HOURS PER WEEK: **32 HRS**

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

ABBREVIATIONS: L - Lecture, T - Tutorial, P - Practical, TA - Teachers Assessment, CT- Class Test, ESE - End Semester Exam, INT-Internal, EXT-External

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 900

Minimum passing for sessional marks is 40%, and for theory subject 40%.