

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION												
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: FULL TIME DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING												
DURATION OF COURSE: 6 SEMESTERS												
SEMESTER: THIRD												
BRANCH: ELECTRICAL & ELECTRONICS ENGINEERING												
SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						Total Marks
			L	TU	PR	INTERNAL SCHEME			ESE	PR	@TW	
						TA	CT	Total				
1.	Electric Circuit & Network	3	3	1	-	10	20	30	70	-	-	100
2.	Analog Electronics -I	4	4		-	10	20	30	70	-	-	100
3.	Electrical & Electronics Measuring Instrument	3	3	-	-	10	20	30	70	-	-	100
4.	Electrical Machine-I	3	3	-	-	10	20	30	70	-	-	100
5.	C Programming	3	3	-	-	5	10	15	35	-	-	50
6.	Circuit Theory & Network Analysis Laboratory	1	-	-	2	-	-	-	-	50	-	50
7.	Analog Electronics-I Laboratory	2	-	-	3	-	-	-	-	50	-	50
8.	Computer Programming Language Laboratory	1	-	-	2	-	-	-	-	50	-	50
9.	Electrical Machine-I Laboratory	2	-	-	3	-	-	-	-	50	-	50
10.	Electrical & Electronics Workshop-I	1			2					50		50
11.	Professional Practice - I	1	-	-	2	-	-	-	-	-	50	50
	Total	24	16	1	16	50	100	150	350	250	50	800

**STUDENT CONTACT HOURS PER WEEK:33 hrs, (Teaching-15 weeks + Internal Exam-2 weeks )**  
**THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH**  
**ABBREVIATIONS: L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam, @TW-Term Work**  
 TA (Teacher's assessment) = 10 marks: Attendance & surprise quizzes = 5 marks and Assignment & group discussion = 5 marks  
 TA (Teacher's assessment) = 5 marks : Attendance & surprise quizzes + Assignment & group discussion = 5 marks  
**Total Marks : 800**  
 Minimum passing for Sessional marks is 50%, and for theory subject 50%.  
 Assessment of Practical, Oral & term work to be done as per the prevailing norms of curriculum implementation & assessment.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION												
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: FULL TIME DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING												
DURATION OF COURSE: 6 SEMESTERS												
SEMESTER: FOURTH												
BRANCH: ELECTRICAL & ELECTRONICS ENGINEERING												
SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	@TW	Total Marks
						TA	CT	Total				
1.	Electrical Machines-II	3	3	-	-	10	20	30	70	-	-	100
2.	Analog Electronics –II	3	3	-	-	10	20	30	70	-	-	100
3.	Consumer Electronics	3	3	-	-	10	20	30	70	-	-	100
4.	Digital Electronics	3	3	-	-	10	20	30	70	-	-	100
5.	Power Plant Engineering	3	3			10	20	30	70			100
6.	Analog & Digital Communication	3	3			10	20	30	70			100
7.	Electrical Machines-II Laboratory	1	-	-	2	-	-	-	-	50	-	50
8.	Analog Electronics-II Laboratory	1	-	-	2	-	-	-	-	50	-	50
9.	Consumer Electronics Laboratory	1	-	-	2	-	-	-	-	50	-	50
10.	Digital Electronics Lab	1	-	-	2	-	-	-	-	50	-	50
11.	Analog & Digital Communication Lab	1			2					50		50
12.	Development of Life Skill-II Laboratory	2	1	-	2	-	-		-	50	-	50
13.	Professional Practice – II	1	-	-	2	-	-	-	-	-	50	50
	Total	26	19	-	14	60	120	180	420	300	50	950

**STUDENT CONTACT HOURS PER WEEK:33 hrs, (Teaching-15 weeks + Internal Exam-2 weeks )**  
**THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH**  
**ABBREVIATIONS: L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam**  
TA: Attendance & surprise quizzes = 6 marks, Assignment & group discussion = 4 marks.  
**Total Marks : 950**  
Minimum passing for Sessional marks is 50%, and for theory subject 50%.  
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TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: FULL TIME DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING												
DURATION OF COURSE: 6 SEMESTERS												
SEMESTER: FIFTH												
BRANCH: ELECTRICAL & ELECTRONICS ENGINEERING												
SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	@TW	Total Marks
						TA	CT	Total				
1.	Industrial Electronics-I	3	3		-	10	20	30	70	-	-	100
	Transmission & Distribution of Power	3	3	-	-	10	20	30	70	-	-	100
2.	Switchgear & Protection	3	3			10	20	30	70			100
3.	Microprocessor & Microcontroller	3	3	-	-	10	20	30	70	-	-	100
4.	<u>Elective-I ( Select any one)</u> i) Illumination Engineering ii) Heating, Ventilation and Air conditioning iii) Electric Traction iv) Computer Hardware Maintenance	3	3	-	-	10	20	30	70	-	-	100
5.	Industrial Electronics-I Laboratory	1	-	-	2	-	-	-	-	50	-	50
6.	Transmission & Distribution of Power Laboratory	1	-	-	2	-	-	-	-	50	-	50
7.	Switchgear & Protection Laboratory	1	-	-	2	-	-	-	-	50	-	50
8.	Microprocessor & Microcontroller Lab	1	-	-	2	-	-	-	-	50	-	50
9.	Elective- I Laboratory	1	-	-	2	-	-	-	-	50	-	50
10.	Electrical & Electronics Workshop-II	2			3					50		50
11.	Industrial Project & Entrepreneurship Development	2	1	-	2	-	-	-	-	-	50	50
	Total	24	16	1	15	50	100	150	350	300	50	850

STUDENT CONTACT HOURS PER WEEK:32 hrs, (Teaching-15 weeks + Internal Exam-2 weeks )

**THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH**

**ABBREVIATIONS:** L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam, TW-Term Work

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

**Total Marks : 850**

Minimum passing for Sessional marks is 50%, and for theory subject 50%.

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TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: FULL TIME DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING												
DURATION OF COURSE: 6 SEMESTERS												
SEMESTER: SIXTH												
BRANCH: ELECTRICAL & ELECTRONICS ENGINEERING												
SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	@TW	Total Marks
						TA	CT	Total				
1	Industrial Management	3	3	-	-	10	20	30	70	-	-	100
2	Instrumentation & Control	4	3	1	-	10	20	30	70	-	-	100
3	Industrial Electronics-II	3	2	1	-	10	20	30	70	-	-	100
4	<u>Elective-II ( Select any one)</u> i) Industrial Automation ii) Process Control iii) Control of Electrical Machine iv) Computer Networking	3	3	-	-	10	20	30	70	-	-	100
5	Computer aided Electrical Drawing	2	-	-	3	-	-	-	-	50	-	50
6	Instrumentation & Control Laboratory	1	-	-	2	-	-	-	-	50	-	50
7	Industrial Electronics Laboratory-II	2	-	-	3	-	-	-	-	50	-	50
8	Elective- II Laboratory	2	-	-	3	-	-	-	-	50	-	50
9	Industrial Project	2	-	-	4	-	-	-	-	50	-	50
10	Professional Practice – IV	2	-	-	4	-	-	-	-	-	50	50
11	General Viva voce	2	-	-	-	-	-	-	-	-	100	100
	Total	26	11	2	19	40	80	120	280	250	150	800

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**Total Marks : 800**  
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