

STATE BOARD OF TECHNICAL EDUCATION, BIHAR

Scheme of Teaching and Examinations for

IVth SEMESTER DIPLOMA IN ELECTRICAL ENGINEERING/ ELECTRICAL & ELECTRONICS ENGINEERING.

(Effective from Session 2020-21 Batch)

THEORY

Sr. No.	SUBJECT	SUBJECT CODE	TEACHING SCHEME	EXAMINATION-SCHEME							
			Periods per Week	Hours of Exam.	Teacher's Assessment (TA) Marks A	Class Test (CT) Marks B	End Semester Exam. (ESE) Marks C	Total Marks (A+B+C)	Pass Marks ESE	Pass Marks in the Subject	Credits
1.	Power Electronics	2020401	03	03	10	20	70	100	28	40	03
2.	Electric Power Transmission and Distribution	2020402	03	03	10	20	70	100	28	40	03
3.	Induction, Synchronous and Special Electrical Machines	2020403	03	03	10	20	70	100	28	40	03
4.	Solar Power technologies	2020404	03	03	10	20	70	100	28	40	03
5.	Industrial drives	2020405	03	03	10	20	70	100	28	40	03
Total: - 15							350	500			15

PRACTICAL

Sr. No.	SUBJECT	SUBJECT CODE	TEACHING SCHEME	EXAMINATION-SCHEME					
			Periods per Week	Hours of Exam.	Practical (ESE)		Total Marks (A+B)	Pass Marks in the Subject	Credits
					Internal(A)	External(B)			
6.	Power Electronics Laboratory	2020406	02 50% physical 50% Virtual	03	15	35	50	20	01
7.	Induction, Synchronous and Special Electrical Machines Laboratory	2020407	02 50% physical 50% Virtual	03	15	35	50	20	01
8.	Industrial Drives laboratory	2020408	02 50% physical 50% Virtual	03	07	18	25	10	01
9.	MATLAB	2020409	02 50% physical 50% Virtual	03	07	18	25	10	01
Total: -		08					150		04

TERM WORK

Sr. No.	SUBJECT	SUBJECT CODE	TEACHING SCHEME	EXAMINATION-SCHEME					
			Periods per Week	Marks of Internal Examiner (X)	Marks of External Examiner (Y)	Total Marks (X+Y)	Pass Marks in the Subject	Credits	
10.	Electric power transmission and distribution (T.W)	2020410	02	07	18	25	10	01	
11.	Solar power technologies (T.W)	2020411	02	07	18	25	10	01	
12.	Course Under Moocs /SWAYAM/AutoCAD in electrical engineering or others	2020412	02	07	18	25	10	01	
13.	Summer training/Industrial Visits	2020413	04	07	18	25	10	02	
Total: -		10				100		05	
Total Periods per week Each of duration One Hour				33	Total Marks = 750				24