

STATE BOARD OF TECHNICAL EDUCATION, BIHAR

Scheme of Teaching and Examinations for
**VI SEMESTER DIPLOMA IN ELECTRICAL ENGINEERING/
 ELECTRICAL & ELECTRONICS ENGINEERING.**

(Effective from Session 2016-17 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.	Management (Common)	1600601	03	03	10	20	70	100	28	40	03
2.	Testing & Maintenance of Electrical Machines	1620602	03	03	10	20	70	100	28	40	03
3.	Power Electronics and Drives	1620603	03	03	10	20	70	100	28	40	03
4.	Automatic Control System	1620604	03	03	10	20	70	100	28	40	03
5.	Elective-I (Any One)	1620605	03	03	10	20	70	100	28	40	03
(i)	Electric Traction-II (1620605 A)			(ii) Maintenance and Repairs of Electrical Equipment (1620605 B)				(iii) Microprocessors and Microcontrollers (1620605 C)			
Total :-			15	350				500			

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.	Testing & Maintenance of Electrical Machines Lab	1620606	02	03	15	35	50	20	01	
7.	Power Electronics and Drives Lab	1620607	02	03	15	35	50	20	01	
8.	Control System Lab	1620608	02	03	15	35	50	20	01	
9.	Elective-I (Any One)	1620609	02	03	15	35	50	20	01	
(i)	Electric Traction-II Lab (1620609 A)		(ii) Maintenance and Repairs of Electrical Equipment Lab (1620609 B)				(iii) Microprocessors and Microcontrollers Lab (1620609 C)			
Total :-			08	200						

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.	Industrial Project (TW)	1620610	05	07	18	25	10	03
11.	Professional Practices-VI (TW)	1620611	05	07	18	25	10	02
Total :-			10	50				
Total Periods per week Each of duration One Hour				33	Total Marks = 750			24