

2: ELECTRICAL TECHNOLOGY (FA, FB, FC)

Scheme of Examination

Std. XI

Paper	Title of the Paper	Theory		Practical		Term work	Project work	I.V.*	Total Marks
		Marks	Time (Hrs)	Marks	Time (Hrs)				
2	Electrical Appliances	80	3	80	3	20	10	10	200

* IV = Industrial Visits ** OJT = On Job Training

Practical

Sr. No.	List of Practical's	Periods
1.	Study precautions testing & repair of line tester parallel & series test lamp	4
	Study of application of heat control equipment such as thermostat bi metallic relay thermocouple	4
2.	Study of and application of over load switch, MCB, ELCB, Electromagnetic relay	4
3.	Dismantling reassembling testing and repairs ordinary laundry iron	12
4.	Dismantling reassembling testing & repairs electric tea / coffee maker	12
5.	Dismantling reassembling testing & repairs electric toaster	12
6.	Dismantling reassembling testing & repairs electric oven and tan door maker	12
8.	Dismantling reassembling testing & repairs electrical microven	16
9.	Installation dismantling reassembling testing & repairs of UV & RO	16
10.	Study types of diodes	12
11.	Assemble & test bridge type rectifier with & without filter circuit	16
12.	Dismantling , reassembling testing & repair of emergency former torch	16
13.	Dismantling reassembling testing & repairs of car battery charger	16
14.	Dismantling reassembling testing & repairs of water boilers vertical / horizontal	16
15.	Study construction maintenance of lead acid cell battery	20
16.	Comparative study of above application according to market survey	16
17.	Visit above domestic & commercial appliance services & repair shop	16
	Total	240