

UNIT-5

Electrical Installations

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	What is the difference between wire and cable?	BT2	CO5	PO2
2	What is earthing?	BT2	CO5	PO2
3	What is the difference between earthing and grounding?	BT1	CO5	PO3
4	What are the types of circuit breaker?	BT1	CO5	PO2
5	What is battery back up?	BT2	CO5	PO2
6	What is miniature circuit breaker(MCB)?	BT1	CO5	PO2
7	Why is the fuse used in a circuit?	BT2	CO5	PO2
8	What are the disadvantages of using fuses?	BT2	CO5	PO1
9	What is an earth leakage circuit breaker(ELCB) and what are the types of ELCB?	BT2	CO5	PO2
10	What is the main objective of earthing?	BT3	CO5	PO2
Part – B (Long Answer Questions)				
11	a) What are the types of earthing used in electrical wiring?	BT2	CO5	PO3
	b) Compare MCB with MCCB?	BT2	CO5	PO2
12	a) Explain construction and working principle of MCB?	BT1	CO5	PO2
	b) State various types of batteries and their applications?	BT2	CO5	PO2
13	a) What are the drawbacks of low power factor, describe how it is improved?	BT1	CO5	PO2
	b) Mention advantages and disadvantages and applications of MCB?	BT3	CO5	PO2
14	a) What are the different types of wires and cables? Explain.	BT2	CO5	PO1
	b) Explain important characteristics of batteries?	BT1	CO5	PO2
15	a) Briefly explain about fuse?	BT1	CO5	PO2
	b) Explain working of ELCB?	BT1	CO5	PO3
16	a) Explain about Power factor measurement using two watt meter method?	BT3	CO5	PO2
	b) A consumer uses 10 KW gezer, 6 KW electric furnace & five 100 W bulbs for 15 hours .How many units (KWHr) of electrical energy have been used?	BT3	CO5	PO2