

SECTION- A

(4X5M=20 Marks)

Answer any four questions

1. What are the differences between conductors and insulators.
2. Derive an expression for equivalent resistance of resistors which are connected in parallel.
3. Explain the working of galvanometer.
4. What are the preventive methods to avoid Electric shock.
5. Describe direct current and alternating current.
6. Explain about earthing and its necessity.
7. Explain the working of microwave oven.
8. How an Electric bulb works.

SECTION- B

(3X10M=30 Marks)

Answer any three questions

1. Explain the construction and working of Transformer.
2. What is multimeter and explain different parameters of multimeter.
3. Explain about MCB and ELCB.
4. Explain the working of Electric water heater.
5. Explain the working and servicing of electric fan.