Dr. V.S.KRISHNA GOVT.DEGREE COLLEGE (A), VISAKHAPATNAM S.KRISHNA GOVT.DEGREED

Semester End Examinations December 2023-Question Paper

Semester-I supplementary Course Title: Electrical Appliances

Time: 2 hrs

Program: Science Stream Course Code: 12017

Max. Marks: 50

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.
- 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.