

General Science - 10th Class General Science English Medium Chapter 8 Short Questions Test

Q1. Write Types of Fuse.

Ans 1: 1- A fuse used in a circuit is of slightly higher value.

Ans 2: 2- Usually a 13 ampere fuse is used for the power plug.

Ans 3: 3- A 5 ampere fuse is used for the lights.

Q2. How electricity measured.

Ans 1: If you want to know how much electricity have you consumed in a certain period follow procedure give below.

Ans 2: 1- Note the reading of your meter in the beginning of the said period.

Ans 3: 2- At the end of that period, note the reading again

Ans 4: 3- The difference of both the readings is equal to the amount of electrical energy unit of electricity.

Q3. Write the names of types of capacitors.

Ans 1: 1- Fixed capacitor

Ans 2: 2- Variable capacitor.

Ans 3: Example of Fixed capacitor: The example of fixed capacitors are mica and paper capacitor.

Ans 4: Example of variable capacitor: Ganged Capacitor.

Q4. Define Electric Shock.

Ans 1: When a current flows through a living body, it is called an electric shock.

Q5. What is fuse

Ans 1: Fuse is such a device, which does not allow current to pass through it over a certain limit. A fuse is introduced in the path of live wire in every parallel circuit.

Q6. Define Ohm's law. Write and its formula.

Ans 1: The current flowing through a conductor is directly proportional to the potential difference provided that the temperature and the physical state of the conductor does not change .

Ans 2: This is called Ohm's law . Mathematically we can write it as.
V directly proportional I

Ans 3: Where R is a constant called the resistance of the conductor.

Q7. Define Ammeter.

Ans 1: Ammeter: Ammeter is an instrument which measures the current.

Q8. Which quantities does Ohm's law relate.

Ans 1: Ohm's law give a relationship between current and potential difference according to him.

Ans 2: "The current flowing through a conductor is directly proportional to the potential difference provided that the temperature and the physical state of teh conductor does not changes." V directialy proposional VIR

Q9. Write the brief note on multi-meter.

Ans 1: This is an instrument which can be used to measure current, potential difference and resistance. This is called AVO meter here "A" stands for Ampere, "V" for Volt and "O" for Ohm.

Q10. What does step -down transormer do.

Ans 1: A setp -down transormer decrease the voltage given by the primary coil because in step-down transormer the number of turns in secondary coil are less than primary coil.
