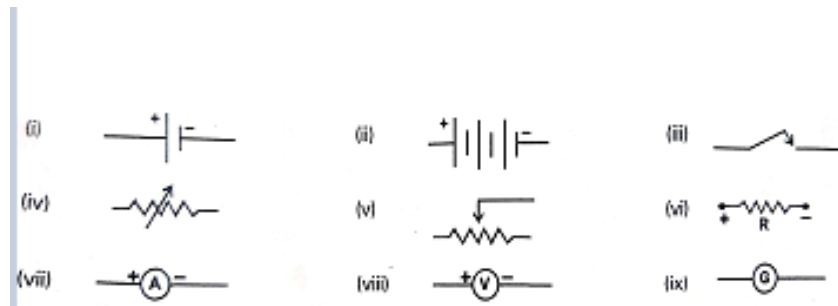


Board – ICSE

Class – 8

Topic – Current Electricity

Q. 1 Identify the following components of an electric circuit and state the function of each



Q.2 a) What do you mean by a short circuit? Why does it occur?

b) Draw a neat labelled diagram to show a short-circuit

Q.3 What is fuse? Why is the fuse connected to the live wire.

Q.4 As per the new international convention, what is the colour assigned to each of the following

a) Live wire

b) Neutral wire

c) Earth wire

Q.5 Which part of the electrical appliances are earthed and why?

Q.6 An electric bulb is rated 100 W-250 What does this mean?

Q.7 A lady received a shock when she happened to touch an electric kettle even though the switch was off.

a) State the possible reasons for the shock

b) Point out the possible defect with the electric wiring inside the kitchen.

Q.8 Write the precautions that should be taken while working with any electrical appliances.

Q.9 Define the following

a) Current

b) Voltage

c) rating of an electrical appliance

d) Electric power

Q.10 Name the two types of electricity and state one fundamental difference between them.