

## Chapter-3

### Worksheet-1

#### Section 1

- Q1. What is an electric cell?
- Q2. What is a Filament?
- Q3. Write the parts of an electric bulb.
- Q4. What are the reasons of a bulb not glowing, even if it is connected correctly to the circuit?
- Q5. What is an electric circuit? How current flows in it?
- Q6. Write symbols for basic parts of electric circuit.
- Q7. What is a Switch? How does a Switch work?
- Q8. Draw a neat diagram of a structure of a basic torch. Explain each part of it.
- Q9. What is a conductor?
- Q10. Why insulators are necessary to use an electrical appliance?

#### Section 2

- Q11. An electric cell has \_\_\_\_\_ terminals
- a) 1
  - b) 2
  - c) 3
  - d) 4
- Q12. An electric cell
- a) Uses electricity

- b) Uses Light
- c) Produces electricity
- d) Consumes electricity

Q13. A device which is used to break an electric circuit is called

\_\_\_\_\_

- a) Breaker
- b) Switch
- c) Bulb
- d) Stopper

Q14. Which of the following items is a conductor?

- a) Eraser
- b) Distilled Water
- c) Pencil
- d) Safety pin

Q15. What is the direction of flow of current in a dry cell?

- a) Positive terminal to negative terminal of cell
- b) Negative terminal to positive terminal of cell
- c) Current does not flow in the cell
- d) Depends upon the connection in the circuit

Q16. An electric circuit in which electrical contact at any point is broken is called \_\_\_\_\_ circuit.

- a) Closed

- b) Open
- c) Broken
- d) Non conducting

Q17. Thin wire in the electric bulb is called \_\_\_\_\_

- a) Glowing wire
- b) Spiral Wire
- c) Filament
- d) Terminal

Q18. Who invented electric bulb?

- a) Alessandro Volta
- b) Graham bell
- c) Nikola tesla
- d) Thomas Alva Edison

Q19. What is the positive terminal of a dry cell is called?

- a) Metal Disc
- b) Zinc Disc
- c) Carbon rod with metal cap
- d) Pointy end

Q20. To light a bulb, the connections are connected to \_\_\_\_\_

- a) Filaments
- b) Terminals
- c) Glass Body
- d) None of the above.