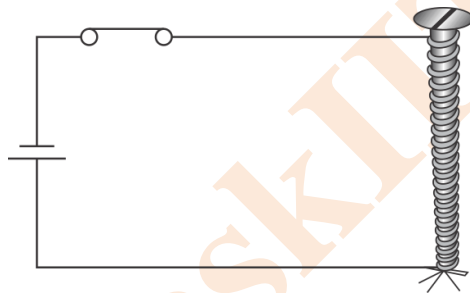


**Class: VII**  
**Subject: Physics**  
**Topic: Electric current**  
**No. of Qs: 20**

- Q 1. What happens when the bulb gets fused?
- Q 2. Draw the symbols for the following:
- (i) Switch in the OFF position
  - (ii) Connecting Wires
- Q 3. Identify the given figure. Why we should not switch on the current for more than few seconds through it?



- Q 4. What do you observe if the electric bulb remains switch 'ON' for a long period?
- Q 5. How a fuse wire prevents damages to electrical circuits and possible fires?
- Q 6. What is the characteristic of fuse wire?
- Q 7. What do you mean by an electromagnet?

- Q 8. Why is it that same current flowing through the tungsten filament of an electric bulb produces enormous heat but almost negligible heat is produced in the connecting wires of the bulb?
- Q 9. Give two advantages of electromagnets over permanent magnets.
- Q 10. How can we say that the electric circuit is complete? What happens when the circuit is complete?
- Q 11. (a) Identify the given symbols.

(i)



(ii)



- (b) How a fuse wire prevents damages to electrical circuits and possible fires?
- Q 12. Some electrical appliances have elements in them. How do you notice that they have become hot?
- Q 13. Where can we place a key or a switch in an electric circuit?
- Q 14. Draw a diagram to show the circuit of an electrical bell.
- Q 15. What is a circuit diagram? What is its use?
- Q 16. What are the causes of short circuiting and overloading?

Q 17. Identify the given symbols.

(i)



(ii)



Q 18. What is the function of needle in a magnetic compass?

Q 19. What is the magnetic effect of electric current?

Q 20. What happens when a large amount of current passes through a wire?

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