

Class: VII
Subject: Physics
Topic: Redox Reaction
No. of Questions: 30
Duration: 90 Min
Maximum Marks: 90

1. An Electrical wire is covered with plastic to?
 - a. Make it strong
 - b. To make it thicker
 - c. To make it look nice
 - d. To make it safe
2. If you place a compass near a current conducting wire, it will:
 - a. Get deflected
 - b. Get hot
 - c. Stop moving
 - d. Get charged
3. If the two terminals of a cell are connected directly with a wire, then
 - a. The chemicals get used up very fast
 - b. The cell explode
 - c. No current
 - d. More electrical energy is stored in the cell
4. The combination of two or more cells is called
 - a. switch
 - b. Cell
 - c. Battery
 - d. fuse
5. Good Conductor of electricity is
 - a. Distilled water
 - b. Wood
 - c. Plastic
 - d. None

- d) None
6. Electromagnet are used in appliances such as
- Electricbell
 - Telephone
 - Microphones
 - Allofthese.
- d)
7. Poor conductor of electricity is
- metal
 - Plastic
 - Iron
 - None of these.
- a)
8. Material used as heating element in electric iron?
- Filament
 - Nichrome
 - Iron
 - Steel
- b)
9. Current flows through the circuit when the circuit is in the _____condition. ()
- Closed
 - Open
 - Broken
 - Incomplete
- a) Closed
10. Heat produced in an electric circuit doesn't depends on
- Length of wire
 - Thickness of Wire
 - Nature of Material
 - Color of wire
- d)

11. A glowing filament will be
- At a low temperature
 - At a high temperature
 - At atmospheric temperature
 - At the temperature of ice
- b)
12. The heat energy produced by a glowing bulb can be minimized by using ____ bulbs in place of ordinary electric bulbs ()
- A candle
 - CFL bulbs
 - Torch
 - Kerosene lamp
- b)
13. The wire which melts and breaks the circuit when large current is allowed to flow through it is called
- A fuse wire
 - Electric wire
 - Connecting wire
 - Filament
- a)
14. _____piece is attracted by an electromagnet
- Wood
 - Iron
 - Plastic
 - Rubber
- b)

15. An electromagnet is one which behaves as a magnet when current is ____
- a. Allowed to flow through
 - b. Not allowed to flow through
 - c. Stopped from flowing through it
 - d. None of these
- a)
16. The instrument used for measuring electric current is:
- a. ammeter
 - b. galvanometer
 - c. voltmeter
 - d. potentiometer
- a) ammeter
17. When a fuse is rated 8 A, it means _____.
- a. it will not work if current is less than 8 A
 - b. it has a resistance of 8 W
 - c. it will work only if current is 8 A
 - d. it will melt if current exceeds 8 A
- d)
18. When electric current passes through a wire, it behaves like a magnet. This is the
- a. Magnetic effect of current
 - b. Electrical effect of current
 - c. Heating effect of current
 - d. Optical effect of current
- a)

19. Electric Bell works on the principle

- a. Electrical energy is converted into mechanical energy
- b. Electrical energy is converted into sound energy
- c. Mechanical energy is converted into sound energy
- d. Sound energy is converted into electrical energy.

a)

20. Which of the following statements does not represent ohm's law?

- a. current / potential difference = constant
- b. potential difference / current = constant
- c. potential difference = current x resistance
- d. current = resistance x potential difference

d)