

1. Which of the following element act as inert electrode

- A. Cu B. Ag
C. Pt D. None

Answer: Option C

2. If electricity is passed through CuSO₄ solution by using Pt electrode then which of the following possible change occurs?

- A. H₂ is deposited at cathode B. Colour of the solution becomes fade
C. Cu is deposited at anode D. All are possible

Answer: Option B

3. Stronger the oxidizing agent greater is the

- A. Oxidation potential B. Reduction potential
C. Redox potential D. emf of cell

Answer: Option B

4. Which has maximum oxidation number?

- A. N B. Cr
C. S D. Mn

Answer: Option D

5. Which of the following cell is not rechargeable?

- A. Lead storage battery B. Silver oxide cell
C. Fuel cell D. Ni-Cd cell

Answer: Option B

6. In an electrolytic cell current flows ?
- A. From cathode to anode in outer circuit
 - B. From anode to cathode outside the cell
 - C. From cathode to anode inside the cell
 - D. both b & c

Answer: Option **B**

7. Which of the following is true in the case of Zn-Cu cell?
- A. The flow of electrons takes place from copper to zinc
 - B. E°_{red} of copper electrode is less than that of zinc electrode
 - C. Zinc acts as an anode and copper as cathode
 - D. All are correct

Answer: Option **C**

8. In a galvanic cell
- A. Chemical energy is converted into electricity
 - B. Chemical energy is converted into heat
 - C. Electrical energy is converted into chemical energy
 - D. Electrical energy is converted into heat

Answer: Option **A**

9. The degree of dissociation of weak electrolyte increases as
- A. Pressure increases
 - B. Dilution decreases
 - C. Dilution increases
 - D. None

Answer: Option **C**

10. Molten NaCl conducts electricity due to the presence of
- A. Free electrons
 - B. Free molecules
 - C. Free ions
 - D. Atoms of Na and Cl

Answer: Option c

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