**Assignment -3**

**HOLIDAY HOMEWORK**

**CHAPTER- ELECTROCHEMISTRY**

**CLASS-12**

1. Explain the functioning of Daniel Cell with the help of a neat diagram.
2. Draw the diagram for S H E . How will you measure the electrode potential with the help of this.
3. Solve all the numerical problems (intext and exercise) from the chapter Electrochemistry from the textbook.
4. Explain Limiting Molar Conductivity graphically.
5. Draw the neat and clean diagram of Dry Cell and Lead Storage Batteries. Explain their functioning.
6. Derive the Nernst equation for Zn-Cu and Zn – Ag Galvanic cell.
7. Derive a formula for the equilibrium constant.
8. Establish the relationship between Free energy change and the Standard Cell Potential.
9. Explain the functioning of a fuel cell with the help of a neat diagram.
10. Explain the rusting of iron on the basis of electrode potential.