

## ELECTROCHEM

1. What are functions of salt bridge?
2. Differentiate Electrochemical and electrolytic cell
3. What is SHE. How it is used.
4. A Zinc rod is dipped in 0.1 M solution of  $\text{ZnSO}_4$ . The salt is 95% dissociated at this dilution at 298 K. Calculate electrode potential given  $E^\circ(\text{Zn}^{2+} | \text{Zn}) = -0.76\text{V}$
5. Write Nernst equation and emf of the following cell at 298 k

