M.Sc. DEGREE EXAMINATION,ODD SEMESTER 2020
II Year and III Semester
Electrochemistry

Max.marks :25

Answer any **FIVE** questions $(5 \times 5 = 25)$ Marks

1. Explain the Debye- Huckel theory of mean ionic activity coefficient.
2. Explain the moving boundary method to determine the transport number.
3. Discuss the Gouy Chapman and stern theory of electrical double layer.
4. Discuss the various process involved in the prevention of corrosion.
5. Explain the principle, working of lead storage battery
6. Discuss the Bjerrum of ion association in electrolytic solution.
7. Derive the Butler- Volmer equation in the kinetics of electrode reaction.