F.E. SEM- I

Question Bank for IA- II for Applied Chemistry

Sr. No.	Questions	Marks
1	Why zinc coating gives better protection from corrosion of iron than coating of tin.	3
2	Give significance of glass transition temperature of polymer.	3
3	Discuss supercritical solvents with its application	3
4	Why do noble metals like gold and platinum do not corrode?	3
5	Explain sacrificial anode & impressed current cathodic protection with the help of labelled diagram.	5
6	Explain the mechanism of electrochemical corrosion by absorption of oxygen with suitable diagram and reactions.	5
7	Explain conventional and greener route of synthesis of indigo.	4
8	How is biodiesel synthesized from vegetable oil? Give its advantages.	5
9	Numerical based on Molecular weight of polymers	5
10	Define / explain the following properties with their significance: • Crystallinity • Fatigue • Insulation resistance • Refractive index	4
11	How do following factors affect rate of corrosion: • Temperature • Areas of anodic and cathodic parts • Passivity • overvoltage	4
12	What is power alcohol? Explain the synthesis of ethanol from molasses with reactions.	4