QP CODE	2028000495

Reg.No: | | | | | | | | | | | |

DMI-ST. EUGENE UNIVERSITY
DEGREE EXAMINATION – DECEMBER – 2022

SEM: II **800CH204 CHEMISTRY II**

Time: 3 Hours Max. Marks: 100

Answer any Five questions (5 x 20 = 100 Marks)

1. a) List the general properties of solids. (5marks)
   b) Classification of crystalline solid. (5 marks)
   c) Define a void and the two types of voids with diagram. (10 marks)
2. a) Derive the Nernst Equation: (8 marks)
   b) Give a detailed note on Corrosion. (6 marks)
   c) Briefly explain on Electrical Resistance. (4 marks)
   d) Briefly explain on Semiconductors. (4 marks)
3. a) Explain on Rate of a reaction. (10 marks)
   b) Derive an equation for rate of reaction. (6 marks)
   c) Difference between order and molecularity reaction. (4 marks)
4. a) Draw and explain the Pyramidal shape of trimethylamine. (10 marks)
   b) Explain on Amines. (10 marks)
5. a) Draw and explain on electrolytic cell for the extraction of aluminum. (10 marks)
   b) Describe chromatographic method with the aid of a diagram. (10 marks)
6. a) Outline on Impurity defect with the aid of a diagram. (10 marks)
   b) Write short notes on Crystal lattices. (6marks)
   c) What are Amorphous solids and give two examples. (4 marks)
7. a) Elucidate on Electrolytic cell. (10marks)
   b) Elucidate on Dry Cell. (10 marks)