

QP CODE 2128000403

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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2023

Semester: II

800CH204 CHEMISTRY II

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

- Outline on types of Unit Cell. (10 Marks)
 - Write short notes on Crystal lattices. (6 Marks)
 - What are crystalline solids and give two examples? (4 Marks)
- Define and explain the Importance of Electrochemistry. (10 Marks)
 - State the differences between Galvanic cells and electrolytic cells. (10 Marks)
- Describe the Characteristics of physisorption. (10 Marks)
 - Elucidate on Homogeneous Catalysis and heterogeneous catalysis. (10 Marks)
- Write the Physical properties of Amines. (10 Marks)
 - Explain on Amines. (10 Marks)
- Elucidate on extraction of iron from ore. (10 Marks)
 - Explain some of the refining processes. (10 Marks)
- Write short notes on Corrosion. (6 Marks)
 - Explain on primary and secondary batteries. (10 Marks)
 - Short notes on Factors Affecting Corrosion. (4 Marks)
- Explain on Diazonium salts. (10 Marks)
 - Elucidate on diazonium coupling reaction. (10 Marks)