Year	No of questions	Full 5 Mark questions (Analysis)
Mar-2020 :	2/10	① Zone Refining Process ② Integrated Rate law for 1st order
June-2020 :	4/10	① Lanthanide contraction, Consequences ② Kohlramsch's law and its applications ③ Charactristics of Catalysis ④ Victor Meyer's Test
Sep 2020 :	3/10	① Postulates of Werner's theory ② Nernst equation ③ Mechanism of aldol condensation
Aug-2021 :	4/10	① Froth flotation ② pH sum (II Volume Example 8.6 (Page No: 19)) ③ Adsorption theory of Catalysis ④ A, B, C, D sum
May-2022	5/10	① Postulates of Werner's theory ② Differentiate: Crystalline, Amorphous ③ Nernst equation ④ Charactristics of Catalyst ⑤ Reducing action of HCOOH
Sep 2022	7/10	① Principle of Electrolytic refining ② Catenation and its condition. ③ Properties of Interhalogen compounds ④ Compare lanthanides and Actinides ⑤ Integrated Rate law for zero order ⑥ Nernst equation ⑦ Adsorption theory of Catalysis

5 Mark Questions (Analysis)

Year	No. of Questions	
Mar-2023	5/10	① Zone Refining Process ② Bonding in Metallic Carbonyls ③ Schottky & Frenkel defects ④ Ostwald's dilution law ⑤ A, B, C, D Sum
June-2023	7/10	① Lanthanoid Contraction Causes & Consequences ② $[Co(en)_2Cl_2]^+$ → Possible geometrical isomers, optically active isomer ③ Differentiate crystalline and amorphous ④ Integrated Rate law for Zero order ⑤ Intermediate compound formation theory of Catalysis ⑥ Importance of Proteins ⑦ Lucas Test
Mar-2024	4/10	① Lanthanoid Contraction Causes and Consequences ② Packing efficiency of Simple Cubic ③ Lucas Test ④ A, B, C, D Sum
June-2024	5/10	① Electrometallurgy of Al ② octahedral splitting of d-orbitals ③ Packing efficiency of BCC ④ Nernst equation ⑤ Differentiate 1°, 2°, 3° amine

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