

Chemistry (GE)
UG, Sem (IV) - (2020-23)

Answer all questions

- ① Derive rate eqⁿ and half life of First-Order reaction.
- ② Write notes on
 - Ⓐ Bragg's law
 - Ⓑ Inert pair effect.

Chemistry Practical (GE) (2020-23)

- ① Write systematic method for the analysis of any two cation and two anion in salt mixture.

UG, SEM (IV) (2020 - 2023)

Chemistry (Core VIII)

Answer all question

- ① Derive Jahn-Teller distortion in square planar geometry.
- ② Write notes on:
 - (a) Labile & inert complexes
 - (b) Lanthanides

Chemistry core IX

- ① Write Paal-Knorr synthesis of Pyridine.
- ② Write mechanism of
 - (a) Mannich reaction
 - (b) Gabriel Phthalimide synthesis.

Chemistry core 2 (2020-2023)

Answer all questions

① Write Kohlrausch law of independent migration of ions.

② Write notes on

Ⓐ Faraday's law of electrolysis.

Ⓑ Degree of dissociation of weak electrolyte

Chemistry core Practical (2020-2023)

① Write systematic method for the analysis of functional group, like $-CONH_2$