

Internal examination (2020-23)

Sub. - Chemistry, Gr. E/Gen.

Answer any two questions.

1. What is kinetic theory of gas. Derive an expression for the pressure of gas.
2. Discuss str. & bonding of
(a) Diborane (b) NH_3
3. Derive an expression for 1st order reaction.

Internal Examination 2022
Class - B.Sc Sem IV Subject - Physics (G.E/GEN)

Gr. A

Answer any two questions

- ① Show that in vacuum phase velocity is equal to group velocity.
- ② How zone plate behaves as convex lens?
- ③ Why soap film or oil film appears to be coloured?

Gr. B

Answer any one question

- ① Give the theory of forced oscillations and discuss the sharpness of resonance.
- ② What are Newton's rings and give its theory. How wavelength of sodium light is measured by using it.

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