

Chemistry Question For Internal Exam-2021

CHEMISTRY-

①

SEMESTER V, PAPER XI

Answer all questions

- ① What are amino acids, Write the synthesis of α -amino acids.
- ② What do you mean by antimetabolites, Write the synthesis of paracetamol.

PAPER - XII

- ① a) Derive force constant for vibrational spectroscopy.
- b) Write different modes of vibration in Polyatomic molecule.
- ② a) Derive bond length of diatomic molecule in rotational spectroscopy.
- b) What are selection rule in rotational spectroscopy.

SEM V, CORE - PRACTICAL

- ① a) What is Beer's - Lambert law.
- b) What do you mean by saponification value.

Answer all questions

- ① Write basic principles involve in analysis of cation and anion.
- ② What are interfering radicals, how it can be removed.

SEM - V, DSE - II

- ① a) Define instrumentation in infra-red spectroscopy.
- b) Write sampling technique in FT-IR.
- ② a) Write notes on conductometric titration
- b) What do you mean by UV-Visible spectroscopy.

SEM - V, DSE - PRACTICAL

- ① a) Write concept for the determination of functional group in organic compound.
- b) Write PH values of different types of fruit. (any five)