

- b) Write in detail about factors affecting and mechanism involved in ion exchange process. Give applications of ion exchange chromatography.
- c) Define chromatography. Explain each step involved in the TLC.

3. Solve any seven.

**5x7
=35**

- a) Discuss in detail about Chromophore and auxochrome.
- b) Describe various factors affecting fluorescence.
- c) Explain in detail applications of Nepheloturbidometry.
- d) Write a short note on interferences in flame photometry.
- e) Explain factors affecting on vibrations present in polyatomic molecule.
- f) Write a note on electronic transitions in UV spectroscopy.
- g) Describe various detectors in GC.
- h) Discuss applications of AAS.
- i) Explain various pumps used in HPLC.
