

**PROGRAMME NAME: M.Sc. (CHEMISTRY)**  
**YEAR: I**  
**SEMESTER-I**  
**COURSE NAME: ANALYTICAL CHEMISTRY-I**

Note:-attempt all questions.

1. What is an error? Describe accuracy and precision distribution of random errors.
2. Describe Average derivation and standard derivation.
3. Write general principle and classification of chromatographic methods.
4. Explain Ion exchanges chromatography.
5. What is polarography describe Instrumentation.
6. Describe Ilkovic equation and its verification.
7. What is living effect? Explain
8. Describe co precipitation and post precipitation from homogenous selection.
9. What is CPU? Describe the different devices.
10. Write short notes on:-
  - (a) Software
  - (b) Hardware
  - (c) Microcomputer Inter facing