

**PHARMACEUTICAL ANALYSIS
(2010 Scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Discuss the types of complexometric titrations with examples. Explain masking and de-masking agents.
2. Discuss the general principle involved in diazotization titration. Explain the various methods of detection of endpoint in diazotitration titration.
3. What is redox titrations. Differentiate between iodometry and iodimetry. How will you prepare and standardize 0.1 M iodine solution.

Short notes

(14x5=70)

4. Explain the importance of quality control in pharmaceutical analysis.
5. How do you calibrate a burette and pipette.
6. Explain any one titrations involving ceric ammonium sulphate.
7. Explain about co-precipitation and post-precipitation.
8. Redox indicators.
9. Explain the principle involved in precipitation titrations.
10. How do you standardize 0.1 M per chloric acid solution.
11. Leveling and differentiating effect.
12. State and explain common ion effect.
13. Acid-base concepts.
14. Fajan's method.
15. Explain the various ways of expressing concentrations.
16. Gasometry.
17. How do you determine calcium as calcium oxalates.
