

QP CODE:202006

Reg.No:

Second Year B.Pharm Degree Examinations - October 2012
Pharmaceutical Analysis I

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. What are precipitation titrations. Discuss the effect of acid, temperature and solvent upon the solubility of a precipitate. Add a note on Mohr's method and Volhard's method.
2. Discuss the concepts of oxidation and reduction. Explain in detail the titrations involving potassium permanganate. How will you prepare and standardize it.
3. Discuss the various steps involved in gravimetric analysis and explain about thermo gravimetric curves.

Short notes

(14x5=70)

4. Metal ion indicators.
5. Primary and secondary standards.
6. Discuss the solvents used in non-aqueous titrations.
7. How do you prepare and standardize Karl Fischer reagent.
8. Explain the effect of pH on complex formation.
9. Explain the titrations involving perchloric acid.
10. Explain the rules for retaining significant digits.
11. Precision and accuracy.
12. Describe Kjeldahl method of nitrogen estimation.
13. Discuss solubility product.
14. Explain the principle of assay of ascorbic acid..
15. Describe oxygen flask combustion method.
16. Organic precipitants.
17. How do you determine magnesium as magnesium pyrophosphate.
