

2010 Scheme

QP CODE: 202006

Reg. No:

**Second Year B.Pharm Degree Supplementary Examinations
December 2019
Pharmaceutical Analysis I**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. What is the theory of acid-base titration. What is common ion effect
2. Write theory of precipitation titration and explain in brief Volhard method.
3. Explain the theory and types of complexometric titrations. A note on the use of masking and demasking agents in complexometric titrations.

Short notes

(14x5=70)

4. What is molarity and normality. Compare their advantages and drawbacks.
5. Discuss about the Henderson-Hasselbalch equation.
6. Use of mixed and universal indicators
7. Illustrate the diazotization titration with suitable example.
8. Classify non aqueous solvents with suitable example.
9. Give preparation and standardization of EDTA solution.
10. Discuss in brief co-precipitation and post-precipitation.
11. Define errors and classify them.
12. Redox potential.
13. Write advantages and limitation of non-aqueous titration.
14. Enlist factors affecting stability of complexes.
15. Thermogravimetry
16. Compare and contrast Iodimetry and Iodometry.
17. Karl-Fisher titrations.
