

QP CODE: 202006 (Old Scheme)

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations June 2019

**Pharmaceutical Analysis
(2010 Scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain the principle involved in precipitation titrations. Add a note on any two methods of argentometric titrations.
2. Discuss briefly the theories of acids and bases.
3. Explain Kjeldahl's method of nitrogen estimation. Describe the principle involved in oxygen flask combustion method.

Short notes

(14x5=70)

4. Explain the requirements and properties of primary standards.
5. Concept of errors and how do you minimize them.
6. Accuracy and precision
7. Henderson-Hasselbach equation.
8. Differentiate iodimetric and iodometric titrations.
9. Neutralization curves
10. Preparation and standardization of 0.1M sodium methoxide
11. Explain the theory of redox titrations
12. Importance of buffer in complexometric titrations
13. Explain the determination of Barium as Barium sulphate using gravimetry.
14. Diazotization titrations.
15. Masking and demasking agents.
16. Explain the titrations involving titanous chloride
17. Organic and inorganic precipitants
