

# 2012 Scheme

QP CODE: 212006

Reg. No: .....

## Second Year B.Pharm Degree Supplementary Examinations January 2023

### Pharmaceutical Analysis

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Write equations wherever necessary.

#### Essays

(3x10=30)

1. Explain the various types of complexometric titrations
2. Discuss the iodometric titrations with suitable examples
3. How nitrogen is estimated by Kjeldhal method.

#### Short notes

(14x5=70)

4. Principle of oxygen flask combustion method
5. Where and why do masking and de-masking agents used.
6. Explain the principle of precipitation titration giving importance to the effect of various factors on solubility of precipitate formed
7. Indicators of neutralization titration
8. Explain preparation and standardization of 0.1M perchloric acid
9. Standardization and application of titanous chloride
10. Concepts of oxidation-reduction titration and standard oxidation potential
11. Explain few titrants used in alkalimetry
12. Explain Henderson – Hasselbach equation
13. Explain the terms co precipitation and post precipitation
14. Explain the titration of a polyprotic system
15. Define the terms- titration curve, equivalence point and primary standard
16. How will you calibrate a burette and a pipette.
17. Explain the principle of Karl Fischer method

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