

2010 Scheme

QP CODE: 202006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations February 2021

Pharmaceutical Analysis I

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.*

Essay

(3x10=30)

1. What are the different concepts of acids and bases. What are primary standards and its applications.
2. Explain the principle involved and factors affecting precipitation titration.
3. Define redox reactions. Write the principle of titrations involving ceric ammonium sulphate.

Short notes

(14x5=70)

4. Define accuracy and precision with suitable examples
5. Define non aqueous titrations, write its merits and demerits
6. Define pH and give details about choice of indicators as per pH
7. Explain the principle involved in Fajans method
8. Henderson-Hasselbach equation
9. Explain the principle and procedure involved in the assay of silver as silver chloride
10. Explain the fundamentals of volumetric analysis
11. Types of complexometric titrations
12. Classify the different types of precipitants
13. Explain the principle involved in the iodometric titrations
14. Explain the significance of Nernst equations
15. Define co-precipitation and explain the need for co-precipitation
16. Detail the concept of acid base neutralization curve
17. Define assay and explain the principle involved in the assay of titanous chloride
