

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University) , SALEM

B.PHARM. DEGREE EXAMINATION – October 2021
First Semester

PHARMACEUTICAL ANALYSIS - I

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Explain various methods of argentimetric titration with examples.
2. Define pharmaceutical analysis. Explain various methods of analysis.
3. Principle of potentiometric titration. Note on construction and instrumentation.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Explain masking and demasking agents.
5. Explain types of solvents used in non-aqueous titration.
6. DME.
7. Give some account on types of error and methods of their minimization.
8. Note on theories of acid base indicators.
9. Write brief note on : i) Karl Fischer titration ii) Kjeldahl method
10. Write a detailed note on iodometric and iodimetric titration methods.
11. How will you prepare and standardize 0.5M Sulphuric acid.
12. Write in detail about instrumentation of polarimetry.

III. Write short notes on : (10 x 2 = 20)

13. Ilkovic equation.
14. Half-cell.
15. Silver chloride electrode.
16. Define precision.
17. Primary standard.
18. Oxidation and Reduction.
19. Bromatometry.
20. Principle of diazotization titration.
21. Define limit test.
22. Alkalimetry.
