

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – July 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 types of conductometric titration with example.
2. How will you estimate the acidic chloride ion by precipitation titration?
3. Explain errors and its types, methods of minimizing errors.

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

4. Explain about Diazotisation titration.
5. Discuss the principle and its application of polarography.
6. Write about Significant figures.
7. Mention about theories of indicators.
8. Explain the masking – de masking in complexometric titration.
9. Describe about DME electrode.
10. Explain briefly on Permanganometry.
11. How will you estimate of sodium benzoate by NAT method?
12. What are all the sources of impurities?

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

13. Define Accuracy.
14. Chelating agents with example.
15. Primary standards with example.
16. Redox Titration.
17. Limit test.
18. Nernst equation.
19. Iodimetry.
20. Preparation procedure for 0.1 N oxalic acid.
21. Litmus Theory.
22. Co-precipitation.
