

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

**B.PHARM. DEGREE EXAMINATION – JANUARY 2020
First Semester**

PHARMACEUTICAL ANALYSIS - I

Time : Three hours

Maximum: 75 marks

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

1. Explain neutralization curve and its types.
2. Write in detail about steps involved in gravimetric analysis.
3. Enumerate the principle and types of redox titration, give a note on iodometry.

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

4. Preparation and standardization of 0.1 M perchloric acid.
5. Discuss the construction and working of silverchloride electrode.
6. Explain various types of currents in polarographic method.
7. Discuss limit test for arsenic.
8. How will you estimate the calcium gluconate by complexometry.
9. Write note on mohr's method.
10. Explain in various solvents used in Non Aquous Titrations.
11. Discuss ceremetry.
12. What are the types of electrods used in electometric methods?

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

13. Secondary standard with example.
14. Dichrometry.
15. Half wave potential.
16. Ilkovic equation.
17. PM indicators.
18. Conductivity cell.
19. Metal ion
20. Post precipitation.
21. Precision.
22. Diazotisation.
