

First B. Pharm (Ayurveda) Degree Supplementary Examinations**March 2025****Pharmaceutical Analysis I****Time: 3 Hours****Max 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*

Essay**(2x10=20)**

1. Explain the determination of ascorbic acid using 2,6 dichlorophenol indophenol
2. Describe different theories of Acid Base concepts.

Short Notes**(10x5=50)**

3. Explain the chemical methods of expressing concentration
4. Note on the procedure for selection of pharmaceutical buffer
5. How does methyl orange works on acid base titration
6. Explain types of errors
7. Explain the stability of complexes and factors influencing the stability of complexes
8. How does an adsorption indicator work
9. Determination of barium as barium sulphate in gravimetry
10. Note on gasometry
11. Explain the process of precipitation in gravimetry
12. Note on polyprotic system

Answer Briefly**(10x3=30)**

13. What is the interference due to water in non-aqueous titration
14. Explain about borate buffer
15. Note on standardization of 0.05M EDTA solution
16. What is organic precipitating reagent
17. What is onium ion
18. Indicators used in redox titration
19. Note on mean deviation
20. Explain about thermogravimetric curves
21. What is standard reduction potential value
22. Explain washing of precipitate in gravimetry
