

QP Code: 105008

Reg. No.:

**First B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 2024**

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. Describe the general procedure involved in gravimetric analysis.
2. Explain about types of Neutralization curves.

Short Notes

(10x5=50)

3. Write about the preparation and standardization of 0.1N perchloric acid
4. Derive the buffer equation for a weak acid.
5. Differentiate between co precipitation and post precipitation
6. Explain about Volhard's method in precipitation titration
7. Discuss briefly about acid base concepts
8. Write about masking, demasking and titration selectivity with example
9. Write about methods of expressing concentration in volumetric analysis
10. Define primary standard and give the ideal characters of a good primary standard
11. Explain types of EDTA titrations with one example each
12. Why mercuric acetate added in non-aqueous titrations of halogen acid salts of weak base

Answer Briefly

(10x3=30)

13. Note on selection of pharmaceutical buffers
14. How does a redox indicator work
15. What is onium ion
16. What is external indicator method. Give example
17. What is Werner's co-ordination number. What is its significance
18. How does a PM indicator work in complexometric titration
19. Define oxidation and reduction
20. Give examples for adsorption indicators
21. Write the principle involved in Gravimetric analysis
22. What is sequestering agent
