

QP Code: 105008

Reg. No.: .....

**First B. Pharm (Ayurveda) Degree Supplementary Examinations  
August 2023**

**Pharmaceutical Analysis**

**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. Explain Volhard's method.
4. Write the principal and procedure involved in the assay of sodium benzoate.
5. Gasometry.
6. Explain about Diazotization titration.
7. Write about masking, demasking and titration selectivity with example.
8. Describe the method of expressing concentration.
9. Write about the preparation and standardization of 0.1N perchloric acid.
10. Explain significance of quantitative analysis in quality control.
11. How does Phenolphthalein work.
12. Explain about various factors affecting EDTA titration.

**Answer Briefly**

**(10x3=30)**

13. What is the interference due to water in non-aqueous titration.
14. What is the significance of Henderson Hessel Balch equation.
15. Onium ions.
16. Werner's co-ordination number. What is its significance.
17. Universal indicator.
18. Explain mean deviation.
19. Polyprotic system.
20. Differentiate Iodimetry and Iodometry.
21. Explain about digestion and washing of the precipitate in gravimetric analysis.
22. Organic precipitants.

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