

QP Code: 105008

Reg. No.:

**First B.Pharm (Ayurveda) Degree Supplementary Examinations
April 2019**

Pharmaceutical Analysis

Time: 3 Hours

Max Marks: 100

- Answer all questions

Essay

(2x10=20)

1. Explain ionic product of water. Define pH. Explain Henderson-Hassel Bach equation
2. Explain types of errors in brief and differentiate between accuracy and precision.

Short Notes

(10x5=50)

3. Explain the methods of expressing concentration.
4. How will you determine end point in non-aqueous titration.
5. Describe the following with examples • Co-precipitation • Post-precipitation.
6. Mention the role of buffers in pharmaceutical analysis. How will you prepare an acidic buffer.
7. Indicators used in redox titration.
8. Explain the principle involved in iodometric titrations giving an example.
9. Estimation of nitrogen by Kjeldhal method.
10. Explain Karl Fischer method.
11. Explain briefly on oxygen flask combustion method.
12. Explain significant figures with examples

Answer Briefly

(10x3=30)

13. Explain oxidizing and reducing agent.
14. What is digestion. Explain role of it in gravimetric analysis.
15. Arrhenius theory of acid and base
16. Explain neutralisation curves.
17. Who invented pH. Give the pH scale details.
18. Enumerate steps involved in gravimetric analysis.
19. What is common ion effect
20. How many types of filter papers you know. Explain different types of it.
21. How to estimate calcium as "calcium oxalate"
22. Classify different analytical methods
