

QP Code: 105008

Reg.No.:

**First B.Pharm (Ayurveda) Degree Supplementary Examinations,
April 2017**

PHARMACEUTICAL ANALYSIS

Time: 3 Hours

Max Marks: 100

- Answer all questions

Essay

(2x10=20)

1. Explain the principle behind non-aqueous titration. Mention the interference of water and preparation of 0.1 NHClO_4 .
2. Describe the general procedure involved in gravimetric analysis

Short Notes

(10x5=50)

3. Mixed indicators
4. Types of errors
5. Calibration of glass wares
6. Explain about biological buffers
7. The concepts of acid and bases
8. Effect of pH on complexometry
9. Solubility product in precipitation titration
10. Explain primary standards
11. Theories of redox titration
12. Explain about significant figures

Answer Briefly

(10x3=30)

13. Factors effecting buffer solution
14. Explain about accuracy and precision
15. What is onium ion
16. What is Werner's co-ordination number
17. How starch iodide paper works
18. What is digestion in gravimetry
19. Preparation of Karl Fischer's reagent
20. How $\text{NH}_3\text{-NH}_4\text{Cl}$ buffer works
21. Organic precipitant
22. Define oxidation and reduction
