

QP Code: 105008

Reg.No.:

First B.Pharm (Ayurveda) Degree Supplementary Examinations, April 2016

PHARMACEUTICAL ANALYSIS

Time: 3 Hours

Max Marks: 100

- Answer all questions

Essay

(2x10=20)

1. Discuss in detail about Karl-Fischer method of titration.
2. Explain the theory behind working of neutralizing indicators. Add a note on mixed indicators.

Short Notes

(10x5=50)

3. Diazotisation titrations.
4. Oxidation-reduction curves.
5. Explain law of mass action and pH of a solution.
6. How will you determine aluminium as aluminium oxide.
7. How will you prepare and standardize 0.1N perchloric acid
8. What are buffer solutions. Narrate an equation for finding out pH of a buffer solution.
9. Explain the fundamentals of volumetric analysis..
10. Classify different redox indicators with suitable examples.
11. What are the types of errors encountered in pharmaceutical analysis.
12. Fajan's method of titration.

Answer Briefly

(10x3=30)

13. Cerimetric titrations.
14. Explain the principle involved in the assay of ferrous sulphate
15. Explain the process of hydrolysis of salts.
16. What are the different types of contamination occurring during gravimetry.
17. What are primary and secondary standards. Explain.
18. Kjeldahl method of nitrogen estimation.
19. What do you mean by ionic product of water.
20. Mohr's method.
21. What do you mean by standard deviation and mean deviation.
22. What are the applications of gravimetric analysis.
