Second Year B.Pharm Degree Supplementary Examinations - July 2015

PHARMACEUTICAL ANALYSIS (2010 Scheme)

Time: 3 Hours   **Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

Essay   **(3x10=30)**

1. What are non-aqueous titrations. Explain in detail the different types of solvents in non-aqueous titrations. Add a note on applications of non-aqueous titrations in pharmacy.

2. Explain iodometry and iodimetry with suitable examples.

3. What are neutralization curves. How these are used in selecting a suitable indicator in the titration of ● Strong acid Vs strong base. ● Strong acid Vs weak base.

Short notes   **(14x5=70)**

4. Explain briefly the theories of neutralization indicators.

5. Masking and Demasking agents.

6. What is Werner's co-ordination number and mention its significance.

7. What is a pM indicator. How does pM indicator work in complexometric titration.

8. What are the methods of determining end point in diazotization titration.

9. The indicators used to detect end point of redox titrations.

10. Mention the preparation and standardization of 0.1N perchloric acid.

11. Explain briefly on oxygen flask combustion method

12. Explain the Karl Fischer method

13. Factors influencing precipitation.

14. Define and classify errors with examples.

15. Name the titrant used in cerimetry. How do you estimate ferrous sulphate by cerimetry.

16. Differentiate between Mohr's method and Volhard's method.

17. List the use of dimercaprol and formaldehyde in complexometry.

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