Second Year B.Pharm Degree Supplementary Examinations - August 2014

PHARMACEUTICAL ANALYSIS (2010 Scheme)

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

- Answer all Questions.
- Write equations wherever necessary.

Essay   **(3x10=30)**

1. Derive Henderson-Hasselbach equation. Explain the theory of indicators.

2. Explain argentometric titrations. Discuss different methods of end point detection in precipitation titration.

3. What are the advantages of gravimetric analysis over volumetry. Explain thermo gravimetry and its pharmaceutical applications with examples.

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

4. Explain Nernst equation.

5. Pharmaceutical applications of non aqueous titrations.

6. Explain the different techniques of analysis.

7. Choice of indicators in acid base titration.

8. Explain the importance of buffer in complexometric titration.

9. Describe Karl Fischer titration.

10. Mixed and universal indicators.

11. Explain the factors influencing the solubility of precipitate.

12. State and explain law of mass action.

13. Significant figures.

14. Explain permanganometric titrations.

15. How do you determine silver as silver chloride by gravimetry.

16. Explain the titrations involving titanous chloride.

17. Iodometric titrations

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