$\boxed{\textbf{R10}}$

II B.Pharmacy II Semester Regular Examinations, Apr/May 2013
PHARMACEUTICAL ANALYSIS-I

Time: 3 hours   Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) Define Precision and Accuracy. Write about the methods of expressing Accuracy.

   (b) Write about Standard deviation and Significant figures.   [7+8]

2. (a) What are Argentometric titrations. Write about indicators and applications of Argentometric titrations?

   (b) Write note on Solubility Product, Molar solubility, and effect of pH on solubility.   [6+9]

3. Explain theory and principle involved in the complexometric titrations.   [15]

4. (a) Write the Principle involved in the KFR titrations.

   (b) Write the composition and use of the reagents in the preparation of KFR.

   (c) Write the applications of KFR method   [3+7+5]

5. Write a note on
   (a) Ilkovic equation
   (b) Halfwave potential
   (c) SMDE   [5+5+5]

6. (a) Explain potentiometric titrations.

   (b) Explain different methods for detection of end points in potentiometry. [8+7]

7. (a) Define quenching. and what are the factors affecting quenching

   (b) Write the applications of nephlometry and turbidimetry.   [8+7]

8. (a) Write short notes on Abbe Refractometer.

   (b) Write the applications of refractometry in pharmaceutical field.   [8+7]

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