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RPH204

B.PHARM.
THEORY EXAMINATION (SEM-II) 2016-17
PHARMACEUTICAL ANALYSIS-I

*Time : 3 Hours**Max. Marks : 70**Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.***SECTION – A****1. Explain the following:****7 x 2 = 14**

- (a) Accuracy
- (b) Secondary standard
- (c) Solubility product
- (d) pH
- (e) Law of mass action
- (f) Complexing agents
- (g) Titrant

SECTION – B**2. Attempt any five of the following questions:****5 x 7 = 35**

- (a) Define buffer. Discuss mechanism of Acidic buffer.
- (b) Describe method for determination of hardness of water.
- (c) Discuss Mohrs method for Complexometric titrations.
- (d) Discuss Kjeldahls method of nitrogen determination.
- (e) Explain requirements for primary and secondary standards with suitable examples.
- (f) Discuss titrations involving Ceric sulphate.
- (g) Describe Handerson-Hasselbach equation.
- (h) Discuss various methods for expressing concentration.

SECTION – C**Attempt any two of the following questions:****2 x 10.5 = 21**

3. Discuss different techniques of analysis and explain significance of quantitative analysis in quality control.
4. Discuss principle, requirements and methods for Iodometry and Iodimetry.
5. Write a note on Radio assays and discuss Assay of sodium iodide (^{131}I) solution as per IP.