

Roll No

BP-102 T

B.Pharm., I Semester (New PCI Scheme)

Examination, December 2016

Choice Based Credit System (CBCS)

Pharmaceutical Analysis - I

Time : Three Hours

Maximum Marks : 60

- Note:* i) Attempt any five questions.
ii) All questions carry equal marks.
iii) Subparts of the questions should be attempted in continuation.

1. Discuss various theories of acid-base indicator. Why phenolphthalein changes its colour at end point.
2. a) What are the Primary and Secondary standards? Explain with appropriate examples.
b) How do you standardize 0.1M sodium hydroxide solution?
3. What is Precipitation Titration? Compare Mohr's method with Volhard's method.
4. Discuss the principle and application of:
a) Redox Titration
b) Explain briefly Iodimetry

5. What do you understand from the term 'Potentiometry'? Explain standard hydrogen electrode. Why reference electrodes are required.
6. a) Describe the principle and steps involved in gravimetric analysis.
b) What are Masking and Demasking agents?
7. Explain any two of the following:
a) Standardization of sodium thiosulphate
b) Errors
c) Non-aqueous titration
8. Write short notes on any two of the following:
a) Dropping mercury electrode
b) Redox Indicators
c) Titration between strong base and weak acid
