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Roll No.....

PY-403-CBCS

B.Pharmacy, IV Semester (Non-PCI Scheme)

Examination, June 2020

Choice Based Credit System (CBCS)

Pharmaceutical Analysis - I

Time : Three Hours

Maximum Marks : 75

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

1. Discuss theory of acid-base titration with appropriate examples. Explain the standardization of 0.1M hydrochloric acid.

2. a) Explain the theory and application of conductometric titrations.
   b) Discuss the working of dropping mercury electrode.

3. How modified Volhard's method is different from Volhard's method? Explain citing the principle of precipitation titration.

4. What do you understand from the term Non-aqueous titration? How do you standardize 0.1M sodium benzoate?

5. Compare the primary and secondary standards. Enlist at least three indicators used in redox titration, acid base titration and complexometric titration.

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6. Describe briefly the followings.
   a) Masking and demasking agents
   b) Sources of errors.

7. Enlist various types of redox titrations along with the fundamentals involved in Cerimetric and iodimetric titration.

8. Write short notes on any two of the followings.
   a) Standardization of 0.1M Potassium permanganate
   b) Reference electrodes
   c) Gravimetric titrations

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