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Roll No.....

PY-403**B.Pharmacy IV Semester**

Examination, June 2017

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.

1. Define primary and secondary standards with examples. Discuss separately the preparation and standardization of 0.1M ceric ammonium sulphate and 0.5N HCl.
2. How acid base indicators work? Discuss the titration curves for
 - a) Weak acid Vs weak base
 - b) Weak acid Vs strong base
 - c) Strong acid Vs weak base.
3. Differentiate between accuracy and precision. Discuss the source and types of error as well as methods of minimizing errors in pharmaceutical analysis.

4. Write short notes on the following:

- a) Conductivity cell
- b) Fajans method
- c) Metal ion indicators.

5. Discuss the theory of operation and limitation of polarography. Write a note on dropping mercury electrode.

6. Describe the different electrodes used in potentiometric titrations and its applications.

7. Write the principle, limitation and applications of

- a) Iodometry
- b) Dichrometry.

8. Write about different solvents used in non aqueous titration. Discuss the principle and steps used in gravimetric analysis.

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