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Roll No.....

PY-403 (GS)

B.Pharmacy, IV Semester Examination, June 2020

Grading System (GS)

Pharmaceutical Analysis - I

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Write comprehensive note on Iodometric titrations with example.
   b) How to determine the % purity of ferrous sulphate as per IP.

2. What do you mean by aprotic, protogenic, amphiprotic and protophilic solvents? Give example of each.

3. What is the principle of gravimetric titrations? Explain using appropriate example.

4. Discuss the principle of polarography with description of dropping mercury electrode assembly.

5. Write the factors which can influence the stability of complex in case of complexometric titration. Write the application of conductometry in case of acid base and precipitation titration with example.

6. What is potentiometric titration? Explain principle, instrumentation and application for end point determination in acid-base titration.

   OR

   Discuss methods of determination of organic bound nitrogen by Kjeldahl method.

7. What are the methods for Detection of end points in precipitation titration.

   OR

   Explain the types of neutralization curves. Discuss the neutralization curve of titration between 0.1M HCl with 0.1M NaOH solution.

8. Write a short note on any two of the following:
   a) Iodometry
   b) Indicators
   c) Diazotization titration

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