Code No: B132202 **R13** SET - 1

II B. Pharmacy II Semester Supplementary Examinations, April - 2018
PHARMACEUTICAL ANALYSIS-I

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is Compulsory
3. Answer any **THREE** Questions from **Part-B**

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PART –A

1. a) Write about computation of analytical results. (4M)
   b) Explain assay of Boric acid. (4M)
   c) Define redox potential. (3M)
   d) Explain the assay of calcium gluconate injection. (4M)
   e) Give the advantages and disadvantages of gravimetry. (3M)
   f) Discuss the gas analytical methods of pharmaceutical significance. (4M)

PART –B

2. a) Write a note on calibration of burettes, pipettes and measuring cylinder as per I.P. (10M)
   b) Explain in detail about rejection of doubtful values with reference to volumetric analysis. (6M)

3. a) Explain the different types of acid-base titrations with examples. (10M)
   b) Write the types of solvents used in Nonaqueous titrimetry. (6M)

4. a) Discuss about Oxidation-reduction titrations. (9M)
   b) Explain the principle involved in assay of ferrous sulphate and Hydrogen peroxide. (7M)

5. a) Write the uses of silver nitrate and ammonium thiocyanate in titrations. (8M)
   b) Write the basic principles of complexometric analysis including theories of complex formation. (8M)

6. a) Explain the typical methods involving precipitation procedures in gravimetry with suitable examples. (10M)
   b) How to determine of thiamine as silico tungstate? (6M)

7. a) Write the principle involved in gas analysis and explain the gas analysis apparatus and their operations. (10M)
   b) What is aquametry including use of moisture balances? (6M)
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