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

II B. Pharmacy II Semester Supplementary Examinations, Nov - 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) What is a Pharmacopoeia? Write in brief on IP. (4M)
   b) What is calibration? Write about its significance in pharmaceutical analysis. (4M)
   c) What is a buffer capacity? How it is calculated? (4M)
   d) Write in brief on the role of EDTA as a chelating agent. (4M)
   e) How do errors happen in gravimetric analysis? (3M)
   f) Write in brief on working of nitrometer. (3M)

PART -B

2. a) What is the significance of standardizing pharmaceutical substances? Add a note on procedures used for computation of analytical results. (10M)
   b) Write in detail on sources of errors. (6M)

3. a) Discuss the theory of strong acid- strong base titration. Add a note on indicators used in these assays. (10M)
   b) Write the principle, chemistry and procedure involved in the assay of borax. (6M)

4. a) Write assay of hydrogen peroxide and copper sulfate. (6M)
   b) Write in brief on redox potentials and their significance. (10M)

5. a) Write in detail on principle and procedures involved in Argentimetry. (8M)
   b) What are masking and demasking agents? Discuss their role in complexometry. (8M)

6. a) Write in detail on precipitation and digestion steps involved in gravimetric analysis. (10M)
   b) Write in brief on gravimetric assay of thiamine. (6M)

7. Write in detail on (16M)
   (a) Karl-fisher titration (b) 2, 6-dichlorophenol-indophenol
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