

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 Compulsory3. 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