

Code No: PHR16222

R16**SET - 1****II B. Pharmacy II Semester Regular 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 **FOUR** Questions from **Part-B**
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PART -A

1. a) Write in brief on importance of sampling methods in pharmaceutical analysis. (2M)
- b) How do you calibrate a pipette? (2M)
- c) Discuss the principle involved in Argentometry. (2M)
- d) Write the theory involved in strong acid-strong base titration. (2M)
- e) Write the advantages and disadvantages of complexometry. (2M)
- f) What is a demasking agent? (2M)
- g) What is Werner's coordination number? (2M)

PART -B

2. a) Write in detail on sources of errors. Suggest methods to reduce errors. (10M)
- b) What is the significance of standardizing pharmaceutical products? (4M)
3. a) Write short notes on indicators used in acid-basetitrimetry. Discuss the factors involved in selection of an indicator. (10M)
- b) Write the principle and procedure involved in the assay of boric acid. (4M)
4. a) Classify redox titrations with examples. Write in detail on Iodimetry. (9M)
- b) Write the principle and procedure involved in the assay of mercuric chloride. (5M)
5. a) Write short notes on EDTA reagent. (6M)
- b) Explain the principle and procedure involved in the assay of aluminium sulphate and calcium lactate. (8M)
6. a) Write in detail on the methods used in precipitation, digestion and coagulation steps of gravimetric analysis. (9M)
- b) Write the principle and procedure involved in the assay of thiamine via gravimetry. (5M)
7. a) Write the principle and procedure involved in titrations using 2, 6-dichlorophenol-indophenol. (6M)
- b) With a neat sketch write in detail on Orset's apparatus used for gas analysis. (8M)