



Code No. 1141 / PCI

FACULTY OF PHARMACY

B. Pharmacy I-Semester (PCI) (Main) Examination, January 2018

Subject : Pharmaceutical Analysis – I

Time : 3 Hours

Max. Marks: 75

Note: Answer all questions from Part – A, any two questions from Part – B and any seven questions from Part - C.

PART – A (10x2=20 Marks)

Answer All Questions. All Questions carry equal marks.

- 1 Define Pharmaceutical Analysis and write the Importance.
- 2 Define Molarity and Write the formula for Molarity?
- 3 (i) How to prepare 1000ml of 0.1N NaOH Solution?
(ii) How to prepare 1000ml of 0.1N KMnO_4 Solution?
- 4 Mention any four acid-base indicators in acid base titrations?
- 5 What is precipitation titration and how to prepare 0.1M Silver Nitrate solution?
- 6 Define Complexing agent and Sequestering agent?
- 7 Differentiate Co-precipitation and Post Precipitation with Examples in Gravimetry titration?
- 8 Explain Oxidation-Reduction Reaction with one example?
- 9 Differentiate Conductance and Resistance?
- 10 What is the difference between Iodometry and Iodimetry?

PART- B (2x10=20 Marks)

Answer any TWO Questions. All questions carry equal marks.

- 11 (a) Write the Different types of Errors in pharmaceutical analysis? (5)
(b) Write the methods of minimising Errors in Analysis? (5)
- 12 (a) Write the Neutralisation curves for strong acid V/S strong base titrations. (5)
(b) Explain acidimetry in Non-Aqueous titration with an Example? (5)
- 13 (a) Explain Mohrs method in Precipitation Titration? (5)
(b) Write the Principle & Applications of Iodometry? (5)

PART- C (7x5=35 Marks)

Answer any SEVEN Questions. All questions carry equal marks.

- 14 Explain Briefly about Significant figures with Examples?
- 15 Explain the Limit test for Chlorides?
- 16 Write a short note on Common Ion Effect & Salt Hydrolysis?
- 17 Write the Principle & procedure involved in Standardisation of 0.1N HClO_4
- 18 Explain Masking agents and Demasking agents in Complexometric titrations?
- 19 Write a short note on p^M Indicators?
- 20 Write a Short note on Redox Indicators?
- 21 Explain Different End point methods in potentiometric titrations?
- 22 Write about the construction and working of an electrode.
