

(LN 2003)

SEPTEMBER 2018

Sub. Code: 2003

B.PHARM. DEGREE EXAMINATION
PCI Regulation SEMESTER – I
FIRST YEAR
PAPER II – PHARMACEUTICAL ANALYSIS – I

Q.P. Code: 562003

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Explain the masking and de-masking agents in complexometric titrations.
2. Write the principle of redox titration and give a note on indicators used in redox titration.
3. Write in detail about the acid base concepts and buffer solutions with examples.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Describe the construction and working of dropping mercury electrode with a diagram.
2. Write a note on standardization of perchloric acid.
3. Write a note on diazotization titrations.
4. Explain choice of indicators in acid – base titrations.
5. Give an account on the preparation and standardization of ceric ammonium sulphate.
6. Write notes on pM indicators.
7. Explain how you will determine calcium by gravimetric analysis.
8. Explain neutralization curves with examples.
9. Write the preparation and standardization of potassium permanganate.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What is gravimetric analysis?
2. What are chelating agents?
3. What is co-precipitation and post precipitation?
4. Werner's co-ordination number.
5. Define precision.
6. What is the advantage of modified Volhard's method?
7. Define accuracy.
8. What is primary standard? Explain with examples.
9. Write the different techniques of analysis.
10. What is permanganometry and Bromometry?