

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER I
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. What is Diazotization titration? Explain in detail about the methods and applications of Diazotization titration.
2. Define Polarography. Explain in detail about the Rotating platinum electrode.
3. a. Discuss about the construction and working of calomel electrode.
b. Describe about the Theory of Acid base indicators.

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

1. Discuss about Pharmacopoeia.
2. Explain about Ceriometry.
3. What are Masking and Demasking agent?
4. Explain about the Alkalimetry titration in Non-Aqueous titration.
5. Briefly describe about Volhard's method.
6. Write the principle and procedure involved in the assay of Ephedrine Hydrochloride.
7. Explain about the Assay of Calcium gluconate with reaction.
8. Discuss the principle and the procedure in the Limit test for chloride
9. Write the principle and procedure involved in Estimation of Barium sulphate.

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

1. Define Iodimetry with example.
2. Write the preparation of 0.1M Oxalic acid.
3. What is primary standard? Give examples.
4. Define Accuracy.
5. What is Dichrometry?
6. What is co-precipitation?
7. Nernst equation.
8. Define Argentometric titration with example.
9. What is Sequestering agent?
10. Write the principle involved in Non-Aqueous titration.
