

(LP 2003)

SEPTEMBER 2019

Sub. Code: 2003

B.PHARM. DEGREE EXAMINATION
PCI Regulation 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. Write the principle and different types of titration involved in Conductometric titrations.
2. Explain the concept of iodometry and iodimetry. Give the procedure for the Standardization of sodium thiosulphate solution using potassium iodate.
3. Discuss the principle and application of : a) Redox titration b) Polarography

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

1. Define complex. Give theory of complexometric titrations.
2. Preparation and standardization of 0.05M Potassium permanganate.
3. Explain in detail Cerimetry.
4. Estimation of sodium chloride.
5. Discuss the construction and working of rotating platinum electrode.
6. Explain in detail sources of impurities in medicinal agents.
7. Write the principle involved in limit test for lead.
8. Discuss various steps involved in gravimetric analysis.
9. Write short notes on significant figure.

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

1. What are self indicators? Give examples.
2. Solubility product.
3. What are mixed indicators?
4. What are primary and secondary standard substances? Give examples.
5. Define standard deviation and give its formula.
6. Explain Bronsted acid-base theory.
7. Differentiate between internal and external redox indicators.
8. Define Errors.
9. Nernst equation.
10. Define ligands.
