[Total No. of Questions - 18] [Total No. of Printed Pages - 2] (2064)

14775

B. Pharmacy 4th Semester Examination

Pharmaceutical Analysis-II (N.S.)

BP-241

Time : 3 Hours **Max. Marks : 70**

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

SECTION - A (Attempt any Two)

1. Define non-aqueous titration. Write about acid base equilibria in non-aqueous media and titration of weak acid. (10)

2. Explain extraction procedure. Write about successive extraction separation of drug from excipients. (10)

3. Write a detail note on paper and column chromatography. (10)

SECTION - B (Attempt any Eight)

1. Explain distribution law regarding extraction procedure. (5)

2. Write about current potential relationship and mass transport process. (5)

3. Discuss Ionic conductivity and change of conductivity during titration. (5)

4. Define indicator. Write about titration of weak base of non-aqueous titration. (5)

5. Write a detail note on application in drug analysis and quality control regarding pharmaceutical product. (5)

6. Discuss in detail about titration curve regarding complexometric titration. (5)

7. Write about Diazotization titration and its application. (5)

8. Discuss in detail about instrumentation and analytical application of potentiometry. (5)

9. Write a note on polarography. (5)

10. Write about principle instrumentation and application of Amperometry. (5)

SECTION - C (Attempt all question) (compulsory)

1. Define Ohm's law. (2)

2. Explain TLC (Thin Layer Chromatography). (2)

3. Write application of Gas Liquid Chromatography (GLC). (2)

4. Define Karl-fischer titration. (2)

5. Write limitation of non-aqueous titration. (2)