

Roll No.

Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.-4)
PHARMACEUTICAL ANALYSIS-II
Subject Code : PHM-242
Paper ID : [D0160]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A**1. Answer briefly :**

- a) Indicators used in non aqueous titration.
- b) Demasking agents.
- c) Effect of temperature on extraction.
- d) Types of radioactive emission.
- e) Type of pumps in GLC.
- f) Detectors in HPLC.
- g) Molecular sieve separation.
- h) Standard hydrogen electrode.
- i) Indicator electrode.
- j) Conductometric titration.
- k) Effect of oxygen in polarography.

- 1) Chelates.
- m) Theoretical plates.
- n) Radiopharmaceutical preparations.
- o) Amperometric titration.

SECTION-B

2. Explain the principle of diazotization titration.
3. Describe Karl Fischer titration and give its applications.
4. Discuss Craig method of multiple extractions.
5. With diagrammatic representation, explain standard hydrogen electrode.
6. What is Nernst equation? Give its application in electrochemistry.

SECTION-C

7. Discuss instrumentation of HPLC with schematic diagram along with its applications in pharmaceutical analysis.
8. Give theoretical considerations, instrumentation and applications of potentiometry.
9. Write in detail on types of complexometric titrations and give their applications.
10. Discuss theoretical aspects of phase solubility analysis. Write its application in pharmaceutical analysis.