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Total No. of Pages : 02

Total No. of Questions : 24

**B.Pharma (2012 to 2016) (Sem.-4)****PHARMACEUTICAL ANALYSIS-II**

Subject Code : BPHM-402

M.Code : 46232

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****Explain the terms :**

1. Reduction Potential
2. Normal Chromatography
3. Guard Column
4. Werner Coordination number
5. Cation exchangers
6. Masking agents
7. Relation of pH to potential
8. Chelation
9. HETP
10. Distribution law
11. Cell constant



12. Define and give units of Specific conductance
13. Principle of oxygen flask combustion
14. Classification of chromatographic techniques
15. Measurement and units of radioactivity

#### SECTION-B

16. Factors affecting stability of complexes.
17. Type of radiations and their interaction with matter.
18. Nitrogen determining method.
19. Taking a suitable example, explain the titration of weak bases by non-aqueous titrations.
20. Write a brief note on Craig method of multiple extraction.

#### SECTION-C

21. Give the salient features of detector. Give principle and working of any two GC detectors.
22. Give a detailed account of Ion exchange Chromatography.
23. Discuss in detail the theory, principle and application of Phase solubility analysis.
24. Various types of electrochemical method of analysis, giving advantages and disadvantages.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**