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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2012 to 2016) (Sem.-8)

PHARMACEUTICAL ANALYSIS – III

Subject Code : BPHM-802

M.Code : 72297

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. Define auxochrome
- b. Give full form of MALDI
- c. Define Woodward Fischer rules for dienes
- d. What do you mean by term chromophores?
- e. Define coupling constant
- f. Single and double beam UV
- g. Prism
- h. Space lattice.
- i. Relation between energy and wavelength
- j. Monochromators
- k. Name two UV detectors



- l. Time of Flight
- m. Difference between hypsochromic and hyperchromic shifts
- n. What do you mean by molecular ion peak in Mass spectra?
- o. Deuterium exchange and its application

SECTION-B

2. Briefly describe the sample handling in IR.
3. Powder X ray crystallography.
4. Discuss the instrumentation of UV 1.
5. Short note on atomic absorption spectroscopy.
6. Brief overview of applications of mass spectrophotometry.

SECTION-C

7. Discuss in detail Fluorometric detectors.
8. Give a detailed account on Raman Spectroscopy.
9. Give the principle, working and application of Flame photometry.
10. Discuss general fragmentation pattern in Mass spectrophotometer for identification of organic compounds.

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.