Roll No. | | | | | | | | | | | | | **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 Wood ward 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

1. Time of Flight

m. Difference between hysochromic and hyperchromic shifts

n. What do you mean by molecular Ion peak in Mass spectra?

o. Deutrium 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.