

Roll No.

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Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmaceutics) (2017 & Onwards) (Sem.-1)
MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES

Subject Code : MPH-101T

M.Code : 74657

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries EQUAL marks.

- Q1. a. Describe the principle, instrumentation and applications of atomic absorption spectroscopy. 10
- b. Describe the principle and applications of IR spectroscopy. 5
- Q2. a. Write a detailed account on ^{13}C NMR. 10
- b. How to differentiate between ^1H NMR peak of OH and CH? 5
- Q3. Describe the principle, theory and instrumentation of Mass spectrometer. 15
- Q4. Write a detailed account on HPLC. 15
- Q5. Write a detailed account on X-Ray crystallography. 15
- Q6. Write a detailed account on RIA. 15

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.