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Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy(Pharmaceutical Analysis) (2017 Batch) (Sem.-2)

MODERN BIO- ANALYTICAL TECHNIQUES

Subject Code : MPA-202T

M.Code : 74926

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

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

- Q1. A. Principles and procedure of Liquid-Liquid extraction. 5
B. General principle and procedure involved in Protein Precipitation. 5
C. Purpose of bioavailability studies. 5
- Q2. A. Discuss biopharmaceutical factors affecting drug bioavailability. 8
B. Write a note on cytochrome-P450 based drug interactions. 7
- Q3. A. Describe In-vitro assay of drug metabolites and drug metabolizing enzymes. 8
B. Discuss principle and application of cell viability assays. 7
- Q4. A. Describe design and evaluation of bioequivalence studies for drug product performance. 8
B. Discuss in details principle and procedure involved in solid phase extraction. 7
- Q5. Write notes on following :
A. Basic equipments used in cell culture lab. 5
B. Biosimilar products 5
C. Regulatory perspectives of metabolite identification 5
- Q6. A. Discuss Principles and applications of flow cytometry. 10
B. What are microsomal approaches in metabolite identification? 5

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.

