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Roll No. | | | | | | | | | | | | Total No. of Pages : 01

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

MODERN BIO- ANALYTICAL TECHNIQUES

Subject Code : MPA-202T

Paper ID : [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. Enumerate the principle and procedure for solid phase extraction. (8)

b. Highlight the USFDA guidelines for bioanalytical method validation. (7)

Q2. a. What is dissolution and drug release testing? (8)

b. Explain the methods for the determination of permeability. (7)

Q3. Write short note on :

a. Drug interaction (PK-PD) (8)

b. Toxicokinetics. (7)

Q4. a. Explain different types of cell culture techniques. (8)

b. What is the principle and application of MTT assay? (7)

Q5. a. Highlight the Microsomal approaches for metabolite identification. (8)

b. Detail the invitro assay of drug metabolite and metabolizing enzymes. (7)

Q6. a. What is bioequivalence? How it is estimated? Give its significance. (8)

b. What is the purpose of bioavailability studies? Explain how it is determined. (7)

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