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Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmaceutics) (2017 Batch) (Sem.-2)

**ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS**

Subject Code : MPH-202T

M.Code : 74962

Time : 3 Hrs.

Max. Marks: 75

**INSTRUCTIONS TO CANDIDATES :**

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

1. Discuss the various factors affecting drug absorption in vivo. Also elaborate upon the various active mechanisms for drug absorption. (15)
2. Distinguish between tablets and capsules as a dosage form. Discuss the major factors associated for the drug release from each dosage form. (15)
3. Discuss the compendia method of classification of dissolution with respect to USP. (15)
4. a) Enumerate one compartment model with respect to LV infusion. (10)  
b) Discuss with example cytochrome P450 based drug interaction. (5)
5. a) Write a note on biosimilar drug products. (5)  
b) What do you understand by bioequivalence studies? (10)
6. Write a note on following :  
a) Monoclonal antibodies (5)  
b) Vaccines (5)  
c) Any commercialized drug products from biotechnology source. (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.**

