

Roll No.

Total No. of Pages :02

Total No. of Questions : 06

M.Pharmacy (Pharmaceutics) (Sem.-2)
ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS

Subject Code :MPH-202

M.Code :74962

Date of Examination : 06-07-22

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. A) Discuss different processes of drug absorption from g.i.t. with suitable examples and limitations associate with each of them.
B) What is meant by “dissolution rate limited absorption”? Briefly discuss the pharmaceutical factors that need critical consideration for such drugs.
2. A) Compare drug absorption from tablet with that from solution of drug. What is relative bioavailability?
B) Explain BCS Classification of drugs. Give an account of the approach used forenhancing drug bioavailability.
3. A) Briefly discuss the compendial dissolution testing methods. Explain the importance of “sink condition”.
B) Discuss the IVIVC methods and their requirements.
4. A) What is bioavailability? Discuss the methods used for assessing bioavailability of drugs.
B) Define “biosimilars” with suitable examples. Give an account of their compendial requirements.
5. Write short notes on :
A) Tight junctions and their importance.
B) Drug interactions.
C) Pharmacokinetic-Pharmacodynamic correlation.

6. Write briefly about :
- A) Non linear pharmacokinetics and its causes.
 - B) Complete cross over design.
 - C) Relative and absolute bioavailability.

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.