

Roll No.

Total No. of Pages : 01

Total No. of Questions : 06

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

COMPUTER AIDED DRUG DELIVERY SYSTEM

Subject Code : MPH-203

M.Code : 74963

Date of Examination : 19-12-22

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

- 1. Attempt any FIVE questions out of SIX questions.**
 - 2. Each question carries FIFTEEN marks.**
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1. a. Explain pharmaceutical automation role in dosage form manufacturing.
b. What are the bio waiver considerations to be considered to get the exception for In vivo studies?
c. Define and compare the features of descriptive and mechanistic modelling.
 2. a. Discuss the role of influx transports with examples.
b. Write the importance of computer simulation in pharmaco-dynamics.
 3. Name and explain the guidelines of QbD controlling agency. Mention the regulatory and industrial views on quality by design.
 4. Discuss the optimization parameters and different optimization techniques in formulation development.
 5. a. What is artificial intelligence? Mention its application.
b. Describe the different levels of In-vitro and In-vivo correlation.
 6. Explain the role of computers in clinical data collection and management.

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.