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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

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) Write the benefits of pharmaceutical automation in packaging. 5
b) Explain the computational modelling concept with respect to drug absorption and solubility. 5
c) Differentiate Descriptive and Mechanistic modelling. 5
2. a) Write about efflux transporters with suitable examples. 7
b) Describe the applications of computational fluid dynamics in pharmacy. 8
3. Outline the quality by design concept in pharmaceutical product development with respect to International conference on harmonization guidelines. 15
4. a) Discuss the role of computers in pharmaceutical emulsions development. 7
b) "Why and how the innovative use of computer in R & D can be legal protected". Comment. 8
5. Give an overview of artificial intelligence and its application in pharmaceuticals. Comment on challenges and its future perspective. 15
6. Enumerate the history of computers in pharmaceutical research & development. 15

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.

