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

Total No. of Questions : 06

M.Pharmacy (Pharmaceutics) (2017 & Onwards)   (Sem.–1)
DRUG DELIVERY SYSTEM
Subject Code : MPH-102T
M.Code : 74658

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) Define the role of penetration enhancer in transdermal drug delivery system.   (7)

     b) Explain different methods to overcome barriers of occular drug delivery system.   (8)

Q2. a) Explain Mucosal and transdermal delivery of vaccines.   (10)

     b) Define single shot vaccines.   (5)

Q3. Explain different types of formulation and evaluation of Buccal drug delivery system with its advantages and disadvantages.   (15)

Q4. Define physicochemical and biological approaches for sustained release and controlled release formulations.   (15)

Q5. a) Classify polymers with respect to properties and applications.   (7)

     b) Explain osmotic activated drug delivery systems.   (8)

Q6. Write a note on :

     a) 3D printing of pharmaceuticals   (5)

     b) Telepharmacy   (5)

     c) Pharmacogenetics   (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.