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M.Pharmacy (Pharmaceutics) (2017 & Onwards) (Sem.-1)

Subject Code : MPH-102T

M.Code : 74658

Max. Marks : 75

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 ocular 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.