

Code: 17S03101

M.Pharm I Semester Regular Examinations February 2018

**DRUG DELIVERY SYSTEM**

(Pharmaceutics)

(For students admitted in 2017 only)

Time: 3 hours

Max. Marks: 60

Answer all the questions

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- 1 Discuss the relevant biological and physicochemical properties of drug for sustained formulation.
- OR**
- 2 Give an account of polymers to be used in controlled drug delivery system.
- 3 Explain in detail about modulated drug delivery system.
- OR**
- 4 Discuss about osmotic activated drug delivery system.
- 5 Give different approaches to Gastro retentive drug delivery system. Explain any one in detail.
- OR**
- 6 Discuss about Buccal drug delivery system with its advantages and disadvantages.
- 7 Enumerate the characteristics of drug to be formulated TDDS. Discuss any two methods of formulating TDDS.
- OR**
- 8 Discuss in detail the methods to overcome barriers of drug permeation in ocular drug delivery system.
- 9 Explain in detail the barriers for protein delivery.
- OR**
- 10 Describe mucosal and transdermal delivery of vaccines.

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