

QP CODE: 112327

Reg. No:.....

**First Semester M.Pharm Degree Regular/Supplementary Examinations
March 2020**

M.Pharm (Pharmaceutics)

Paper II – Drug Delivery System (MPH 101T)

(Common for 2017 and 2019 Scheme)

Time: 3 Hours

Total Marks: 75

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Discuss the factors influencing the design of sustained release formulations.
2. Explain different evaluation tests for transdermal drug delivery systems.
3. Discuss various approaches used to enhance gastric retention

Short Notes

(9x5=45)

4. Personalized medicine.
5. Discuss the applications of polymers in drug delivery.
6. Explain the design of osmotically active drug delivery system.
7. Any one type of ocular devices.
8. Different evaluation tests for buccal drug delivery systems.
9. Discuss the barriers for protein delivery.
10. Penetration enhancers used in transdermal drug delivery.
11. Feedback regulated drug delivery systems.
12. Mucosal and transdermal delivery of vaccines.
