

QP CODE: 112327

Reg. No:.....

**First Semester M.Pharm Degree Supplementary Examinations
February 2022
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. Explain the classification and applications of polymers in controlled release dosage forms
2. Explain the barriers for protein delivery systems
3. Explain the formulation and evaluation of transdermal drug delivery system.

Short Notes

(9x5=45)

4. Explain Telepharmacy
5. Explain the principle of mucoadhesion
6. The concept of gastro-retentive drug delivery systems
7. Explain ocular drug delivery systems
8. 3D printing of pharmaceuticals and its importance
9. Explain the physicochemical properties influencing for controlled release formulations
10. Explain the applications of transdermal drug delivery systems
11. Explain feedback regulated drug delivery systems.
12. Explain single shot vaccine
