

QP CODE: 112327

Reg. No:.....

First Semester M.Pharm Degree Supplementary Examinations July 2023

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 in detail about osmotic drug delivery system with examples.
2. Define transdermal drug delivery system and explain the components of transdermal drug delivery system.
3. Discuss in detail about factors affecting the formulation of sustained release drug delivery system.

Short Notes

(9x5=45)

4. Discuss briefly about ophthalmic formulations with examples.
5. Summarize the concept of telepharmacy.
6. Explain the principles of mucoadhesion.
7. Explain the modulations of gastrointestinal (GI) transit time and approaches to extend GI transit.
8. Describe the mechanism of antigen uptake involved in vaccination.
9. Annotate the limitations of protein drug delivery system.
10. Explain pH activated drug delivery system
11. Articulate about 3D printing and its applications.
12. Describe the properties and application of any two synthetic polymers
