

QP CODE: 211327

Reg. No:.....

Second Semester M.Pharm Degree Examinations July 2019

M.Pharm (Pharmaceutics)

Paper I: Molecular Pharmaceutics (MPH 201T)

(Nano Technology and Targeted Drug Delivery Systems)

(2017 Scheme)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Discuss about the role and importance of liposomes in targeted drug delivery systems
2. Explain gene expression systems and advancements in gene therapy
3. Give the prerequisites for ideal micro-particulate carrier and explain the general method of preparation of microspheres

Short Notes

(9x5=45)

4. Factors affecting drug permeation through blood brain barrier
5. Tumor antigens and vaccines
6. Preparation and applications of phytosomes
7. Characterization of liposomes with their quality control tests
8. Therapeutic antisense molecules
9. Preparation methods of niosomes
10. Monoclonal antibodies
11. Containers used in aerosol preparation
12. Preparation and evaluation of pulmonary drug delivery systems
