

QP CODE: 211327

Reg. No:.....

**Second Semester M.Pharm Degree Supplementary Examinations
January 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. Describe about the types, method of preparation and evaluation of liposomes in targeted drug delivery system.
2. Explain the method of preparation and evaluation of intra nasal route delivery system.
3. Discuss the tumor targeting delivery system

Short Notes

(9x5=45)

4. Propellants.
5. Aptamers
6. Application of monoclonal antibodies.
7. Evaluation of microcapsules.
8. Preparation of niosomes.
9. Phytosomes.
10. Evaluation of nanoparticles.
11. Liposomal gene delivery system.
12. Explain antisense molecules used in the treatment of various diseases
