

QP CODE: 213327

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
January 2020
M.Pharm (Pharmaceutics)**

**Paper III: Computer Aided Drug Development (MPH 203T)
(2017 Scheme)**

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain the drug absorption model and drug excretion model.
2. Describe the various statistical modeling in pharmaceutical research and development.
3. Explain the optimization technology and screening design in computer aided formulation and development

Short Notes

(9x5=45)

4. Sensitivity analysis.
5. BBB-choline transporter.
6. Computers in market analysis
7. Computational fluid dynamics in pharmaceutical application.
8. OCT (Organic Cation Transporter).
9. Role of computer in pharmaceutical R&D.
10. Computer simulation of gene.
11. Regulatory and industry views on quality by design.
12. Current challenges of robotics in pharmaceuticals
