First Semester M.Pharm Degree Regular/Supplementary Examinations March 2020 M.Pharm (Pharmaceutics)

Paper III – Modern Pharmaceutics (MPH103T)

(Common for 2017 and 2019 Scheme)

Time: 3 Hours

- 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

- 1. Explain the concept, parameters and techniques of optimization in pharmaceutical formulation.
- 2. Explain the types of validation and concept of URS, DQ, IQ, OQ and PQ
- 3. Explain the various approaches for sales forecasting, inventory management, budget and cost control

Short Notes

- 4. Explain manufacturing of large and small volume parenterals
- 5. Explain the factorial designs and its applications in pharmaceutical formulations
- 6. Scope and merits of validation and explain process validation of tablets
- 7. Explain the CGMP practices pertaining to material management, handling and transportation in a pharmaceutical industry
- 8. Explain the properties of tablets influenced by compression
- 9. Explain the diffusion parameters and dissolution parameters
- 10. Explain the theories of pharmaceutical dispersion and stability studies of SMEDDS
- 11. Explain the validation and calibration of equipments as per ICH guidelines
- 12. Explain the Higuchi and Peppas plot and its significance.

QP CODE: 113327

(3x10=30)

(9x5=45)

Total Marks: 75

Reg. No:....