

QP CODE: 113327

Reg. No:.....

First Semester M.Pharm Degree Supplementary Examinations July 2019

M.Pharm (Pharmaceutics)

Paper III – Modern Pharmaceutics (MPH102T)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Define pre formulation. Describe the different methods for the determination of drug – excipient interactions.
2. Describe the ICH guidelines for calibration and validation of equipment.
3. Explain the physics of tablet compression

Short Notes

(9x5=45)

4. The similarity factors – f_2 and f_1 in dissolution comparison.
5. The PRINCIPLE and concept of sales forecasting.
6. The concept of total quality management.
7. Validation and calibration of master plan.
8. The factorial designs and application in formulation.
9. The stability issues of emulsions.
10. Inventory management.
11. The manufacturing process models.
12. Principle about ANOVA test in pharmaceutical experiments.
