First Semester M.pharm Degree Examinations March 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. Explain the objectives and policies of current good manufacturing practice

2. Explain the pre-formulation concepts inclusive of drug excipient interactions

3. Explain ICH guidelines for calibration and validation of equipments

Short Notes   **(9x5=45)**

4. Explain the evaluation of parenterals

5. Describe the significance of Higuchi and Peppas plot

6. Explain the optimization techniques in pharmaceutical formulation and processing

7. Explain the physics of tablet compression

8. Discuss the Chi square test and student T-test

9. Concept of total quality management

10. Explain the inventory management and control in a pharmaceutical industry

11. Explain the types of validation

12. Effect of friction influencing compression of tablets.

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