First Semester M.Pharm Degree Supplementary Examinations
January 2021
M.Pharm (Pharmaceutics)

Paper III – Modern Pharmaceutics (MPH103T)

(Common for 2017 and 2019 Scheme)

Time: 3 Hours   **Total Marks: 75**

- *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   **(3x10=30)**

1. Explain the concept and parameters of formulation optimization

2. Explain the current good manufacturing practices in pharma industries

3. Explain the dissolution and pharmacokinetic parameters with suitable examples

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

4. Explain the theory of pharmaceutical dispersion systems

5. Principal and concept of factorial design

6. ICH guidelines for calibration of equipments

7. Inventory management and control

8. Physics of tablet compression

9. Stability issues of suspensions.

10. Explain total quality management.

11. Explain the manufacturing process for small volume parenteral

12. Chi square test

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