

M.Pharm. First Year (Pharmaceutics) Semester-II
MPH203T - Computer Aided Drug Delivery System

P. Pages : 1

Time : Three Hours



GUG/W/23/14180

Max. Marks : 75

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

1. Solve **any ten**. **2x10**
=20
 - i) BCRP stands for?
 - ii) Define computer.
 - iii) What do you mean by screening.
 - iv) Use of computer in R and D.
 - v) Write a note on factorial design.
 - vi) Solubility means what?
 - vii) Write a note on Isolated tissue.
 - viii) Define proteins.
 - ix) AI stands for.
 - x) What is Biowaiver.
 - xi) What do you mean by population modeling.
 - xii) Give note efflux transporter.

2. Solve **any two**. **2x10**
=20
 - i) Explain role of computer is clinical data collection and management.
 - ii) Write details about the various statistical modeling in Pharmaceutical research and development.
 - iii) Outline the quality by design concept in Pharmaceutical product development.

3. Solve **any five**. **5x7**
=35
 - i) Write the benefits of Pharmaceutical automation in packaging.
 - ii) Write the importance of computer stimulations in pharmacodynamic.
 - iii) Explain Pharmaceutical automation role in dosage form manufacturing.
 - iv) Describe application of computational fluid dynamics is pharmacy.
 - v) Use of computer in Biopharmaceutical characterization.
 - vi) Short note on computer is clinical development.
 - vii) Robotics and its application in Pharmacy.
