BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – M.Pharm(Pharmaceutics)-2023
Course Name – Modern Pharmaceutics
Course Code - MPH103T
(Semester I)

Full Marks : 75   Time : 3:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A
(Short Answer Type Questions)   5 x 5=25

1. Identify the process of evaluation of large volume parenterals.   (5)
2. Explain about the factors influencing solubility.   (5)
3. Explain about self micro-emulsifying drug delivery system.   (5)
4. Differentiate between similarity and differential factors.   (5)
5. Correlate cGMP and its objectives.   (5)

OR

Analyze the Ten Principles of cGMP   (5)

Group-B
(Long Answer Type Questions)   10 x 5=50

6. Illustrate different parameters of optimization and write its role in designing the   (10)
   pharmaceutical formulation with applications.
7. Explain in detail about ICH guidelines for stability testing.   (10)
8. Differentiate flocculated and deflocculated suspension. Discuss the important   (10)
   consideration for formulation of suspension.
9. Discuss in detail types, composition, evaluation, advantages and limitations of   (10)
   pharmaceutical dispersion formulations.

OR

Discuss in detail the types, manufacturing methods and evaluation of Large Volume   (10)
Parenterals (LVP)

10. Correlate dissolution parameters and pharmacokinetic parameters.   (10)

OR

Explain preparation of small and large volume of parenterals.   (10)

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