BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – M.Pharm(Pharmaceutics)-2024
Course Name – Drug Delivery System
Course Code - MPH102T
(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. Explain briefly about transdermal vaccine delivery. (5)
2. Describe in brief regarding the mucoadhesive drug delivery systems for gastroretention. (5)

3. Recommend the suitable physiological and pathological conditions of skin for effective transdermal permeation. (5)

4. Briefly explain the advantages of buccal drug delivery systems. (5)
5. Explain in brief regarding pH activated drug delivery systems. (5)

OR

Classify the polymer on the basis of thermal characteristic. (5)

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

6. Describe in brief about the drug release mechanism of pH activated drug delivery system. (10)
7. Explain briefly about the principal mechanism of mucosal vaccine delivery system. (10)
8. Explain the factors affecting drug permeation through skin. (10)

9. Explain about various penetration enhancers employed in transdermal drug permeation. (10)

OR

Explain the factors affecting gastroretention of dosage forms. (10)

10. Explain in brief about the contribution of bioelectronic medicine in pharmaceutical field. (10)

OR

Explain in brief about the pre and post evaluation parameter of sustained release tablet formulation. (10)

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