



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – M.Pharm(Pharmaceutics)-2023

Course Name – Molecular Pharmaceutics (Nano Tech and Targeted DDS)

Course Code - MPH201T

(Semester II)

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 about the salting out technique for the formation of nanoparticles. (5)
2. Briefly describe the rationale of drug targeting. (5)
3. What are the advantages and limitations of nanoparticles as a novel dosage form? (5)
4. Explain the process of crosslinking in W/O emulsion for the preparation of nanoparticles. (5)
5. Explain the concepts of gene therapy in the treatment of cancer. (5)

OR

Explain the limitations of gene delivery system. (5)

Group-B

(Long Answer Type Questions)

10 x 5=50

6. Explain briefly the polymer precipitation methods for the preparation of nanoparticles. (10)
7. Briefly explain the tumor specific agonistic therapy. (10)
8. Explain the classification of liposomes on the basis of structure, composition and method of preparation. (10)
9. Briefly explain the evaluation techniques of phytosomes. (10)

OR

- Assess the pharmaceutical applications of phytosomes. (10)
10. Assess the various properties of phytosomes as novel drug carrier. (10)

OR

Explain the various methods of preparation for phytosomes. (10)
