

M.Pharm. F.Y. (Pharmaceutics) CBCS Pattern Semester-II
MPH201T - Molecular Pharmaceutics (Nano Tech and Targeted DDS)

P. Pages : 1

Time : Three Hours



GUG/S/25/14178

Max. Marks : 75

-
- Notes :
1. Assume suitable data wherever necessary.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. All questions are compulsory.

1. i) Define Nano particles. **2x10**
ii) Ex-Vivo. **=20**
iii) Define Biodistribution.
iv) Note on Pharmacokinetics.
v) Types of Aerosols.
vi) Classify Liposomes.
vii) Define Niosomes.
viii) Types of Microsphere
ix) Enlist evaluation parameters of Nanoparticles.
x) What do you mean by propellant.
2. Solve **any five** out of seven. **5x7**
i) Discuss Gene therapy. **=35**
ii) Briefly explain pulmonary drug delivery.
iii) Propellant used for Aerosols.
iv) Significance of gene therapy.
v) Explain types of liposome.
vi) Brain specific delivery.
vii) Monoclonal Antibodies.
3. Solve **any two** of following. **2x10**
i) Explain preparation and evaluation of Nanoparticles. **=20**
ii) Explain quality control test for aerosol.
iii) Discuss in details about liposomal drug delivery system.
