

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

P. Pages : 1

Time : Three Hours



GUG/W/24/14178

Max. Marks : 75

- Notes :
1. All questions are compulsory.
 2. Diagrams and Chemical equation should be given wherever necessary.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

1. Solve **any ten** of following. **10x2**
=20
- i) Define targeted drug delivery system.
 - ii) Differentiate between micro capsules & Microspheres.
 - iii) A write Applications of Nanosomes.
 - iv) Explain Phytosomes.
 - v) Define Intranasal Route delivery system.
 - vi) What is Aerosols.
 - vii) Write about Evaluation of nano particles.
 - viii) Discuss gene therapy.
 - ix) Write aptamers as drugs of future.
 - x) Discuss pulmonary drug delivery system.
 - xi) What are tumor targeting.
2. Solve **any five** of following. **5x7**
=35
- i) Write about Brain specific delivery.
 - ii) Explain proportion & application of monoclonal antibodies.
 - iii) Write potential targeted diseases.
 - iv) Write note on Biodistribution & pharmacokinetics.
 - v) Briefly explain gene expression system.
 - vi) Explain concept of targeted drug delivery system.
 - vii) Discuss containers used in Aerosol.
3. Solve **any two** of following. **2x10**
=20
- i) Briefly explain types, preparation & evaluation of microspheres.
 - ii) Explain knowledge of therapeutic Antisense molecule.
 - iii) Discuss the events & Biological process involved in drug targeting system.
