

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/22/14178**

Max. Marks : 75

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

- 1. Solve any ten of following. 20**
- i) Define Microspheres.
  - ii) What do you mean by Drug targeting.
  - iii) Enlist different types of Liposome.
  - iv) What do you mean by Nanoparticle.
  - v) Give account on Niosome.
  - vi) Enlist parts of aerosole.
  - vii) Give applications of Niosome.
  - viii) What is Pharmacokinetics.
  - ix) What do you mean by propellant.
  - x) Give applications of Monoclonal antibodies.
  - xi) Write about biodistribution.
- 2. Solve any two. 20**
- i) Describe in detail about pulmonary drug delivery system.
  - ii) Explain Evaluation of Nanoparticle.
  - iii) Explain evaluation of Microspheres.
- 3. Solve any five. 35**
- i) How will you prepare microspheres.
  - ii) Explain concept of drug targeting.
  - iii) Write a note on tumor targeting.
  - iv) Describe Antibody drug delivery system.
  - v) Give account on Nasal drug delivery system.
  - vi) Explain filling methods of Aerosol.
  - vii) Explain Brain specific delivery.

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