

MPY - 203(PCS)
M.Pharmacy II Semester
Examination, December 2015
Novel Drug Delivery System - II
(Advanced Pharmaceutics - III)
Time : Three Hours

Maximum Marks: 70

Note: Attempt any five questions. All questions carry equal marks.

1. a) Explain the structure of liposome. Describe in detail, various methods of preparation of liposome.
b) Give therapeutic applications of liposome. Mention a list of marketed liposomal products.
2. Discuss the methods of preparation and evaluation of nanoparticles. Explain the pharmaceutical applications of nanoparticles.
3. a) Explain different generation of dendrimers. Describe methods of preparation of dendrimers.
b) Write a note on molecular basis of targeted drug delivery.
4. a) Discuss the methods of drug loading and storage stability of resealed erythrocytes.
b) Discuss the pharmaceutical applications of resealed erythrocytes giving a list of its marketed products.

5. a) Describe the methods of preparation and characterization of solid lipid nanoparticles.
b) Discuss the preparation and evaluation of liquid crystals.
6. Write notes on any TWO of the following:
a) Niosomes
b) Peptide and protein drug delivery
c) Magnetically modulated drug delivery
7. Write short notes on any FOUR of the following:
a) Aquasomes
b) Transfersomes
c) Pharmacosomes
d) Submicron emulsion
e) Multiple emulsion
