

Roll No

PY-704 (CBGS)

B.Pharmacy VII Semester (Non-PCI Scheme)

Examination, November 2018

Choice Based Grading System (CBGS)

Novel Drug Delivery Systems (Theory)

Time : Three Hours

Maximum Marks : 75

- Note:* i) Attempt any five questions.
ii) All questions carry equal marks.

1. Define microencapsulation. Discuss in detail coacervation phase separation method of microencapsulation. Give pharmaceutical applications of microencapsulation?
<https://www.rgpvonline.com>
2. Explain advantage, disadvantage of transdermal drug delivery system. Write a note on components of transdermal drug delivery system. Discuss various formulation approaches of transdermal drug delivery system?
3. Classify control drug delivery systems. Discuss in detail activation modulated drug delivery systems.
4. Discuss the various approaches used in development of implantable drug delivery systems. Explain advantage and disadvantage of implantable drug delivery systems.
<https://www.rgpvonline.com>
5. a) What is drug targeting? Discuss its need, rationale and concept giving suitable examples?
b) Write a note on liposomes.

6. Discuss the design, working and application of the following.
 - a) Mucoadhesive drug delivery systems
 - b) Gastro retentive drug delivery systems
<https://www.rgpvonline.com>
7. a) Define Polymer. How are they classified? Give the pharmaceutical application of biodegradable polymer.
b) Write a note on Nasopulmonary drug delivery system.
8. Write notes on (any three):
 - a) Ocular drug delivery system
 - b) Intra uterine drug delivery system
 - c) Nanoparticles
 - d) Approaches to design control release formulation
 - e) Monoclonal antibodies <https://www.rgpvonline.com>
