

Roll No .

MPY - 202 (PCS)
M.Pharmacy II Semester
Examination, July 2015
Novel Drug Delivery System - I
(Advance Pharmaceutics - II)

Time : Three Hours

Maximum Marks: 70

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

1. a) Describe fundamentals of Controlled Drug Delivery Systems (CDDS). Classify CDDS according to their rationale.
b) Discuss design consideration of CDDS.
2. a) What do you mean by microencapsulation? Elaborate the techniques used of microencapsulation.
b) Discuss in detail the applications of microencapsulation.
3. a) Write in detail about the approaches for transdermal drug delivery with a focus on the methods used for enhancements of percutaneous absorption?
b) Describe the evaluation parameters and applications of TDDS.
4. a) Explain the mechanism of release from inserts.
b) Write in detail about various approaches and devices used for implants.

5. a) Classify Osmotic pumps. Enlist applications of osmotic pumps.
b) Write a descriptive overview on oral controlled drug delivery.
6. a) Discuss various approaches employed for colon specific drug delivery.
b) Write in brief the general considerations and applications of ocular drug delivery?
7. Comments on
 - a) Applications of mucoadhesive drug delivery.
 - b) Carriers of CDDS
 - c) Application of inserts
