

Final yr. B. Pharm

NDDS

P4-RT-Exam.-Oct.-12-143

Con. 9105-12.

(REVISED COURSE)

26/11/12

(2 Hours)

Sem VIII (R)

CN-8243

[Total Marks : 40

- N.B. : (1) Question No. 1 is compulsory.
(2) Attempt any **three** questions from remaining **four** questions.
(3) Numbers at **right** state assigned marks.

1. Attempt any **two** : 10
 - (a) Give formulation aspects for Colon targeted products.
 - (b) Discuss components of Transdermal drug delivery systems.
 - (c) Write on formulation fundamentals of Liposomes.

 2. How do you support the need of Gastro retentive drug delivery system. Suggest a range of methods which may be helpful for the fabrication of tablets covered under such system. Describe one method. 10

 3. (a) Enumerate Application of Nanoparticles. Detail on in-vitro drug release study of these products. 5
(b) What are principles of Brain targeting ? 5

 4. (a) Write on Stability concern during preparation of Liposomes. 5
(b) How do you use the phenomenon of Mucoadhesion in drug Therapy ? Put a note on Adhesive Polymers. 5

 5. (a) Brief on Ocular NDDS. 5
(b) What do you understand by Osmotic pump ? 5
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