

Fourth year B. Pharm.

26/11/12

P4-RT-Exam.-Oct.-12-108

Con. 8091-12.

Pharmaceutical Technology

(OLD COURSE)

(2 Hours)

Sem-VIII (R)  
CN-8138

[Total Marks : 35

N.B. : (1) Question No. 1 is compulsory.

(2) Attempt any four questions from the remaining questions.

(3) Figures to the right indicate full marks.

(4) Draw neat sketches wherever necessary.

1. (a) Discuss the different methods for evaluation of mucoadhesion. 5  
(b) Justify the use of nanoparticles as drug carriers. 2
  2. (a) Write a note on evaluation of adhesives in Transdermal dosage form. 3  
(b) What is the difference between mucoadhesion and bioadhesion ? Discuss theories of mucoadhesion. 4
  3. (a) Write short note on Lacrisert. 3  
(b) What are ocular inserts ? Discuss in details non-erodible ocular insert. 4
  4. What is meant by Active and Passive targeting ? Write on drug targeting to brain. 7
  5. Write short notes on (any two) :- 7
    - (a) Ocular iontophoresis
    - (b) Penetration Enhancers
    - (c) Approaches to colon targeting.
  6. (a) What are Liposomes ? Give their applications. 4  
(b) Discuss evaluation of liposomes. 3
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