

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
Pharmaceutical Chemistry Semester - V
End Term Examination, December, 2016
(PC 514) Introduction to Drug Delivery System

Time: 2 hrs

Date: 22/12/2016

Maximum marks: 50

Q.1 Answer all questions. Each question carries 1 mark.

(9*1=9Marks)

(OBJECTIVE QUESTIONS)

1. Define Super disintegrants. Name any two.
2. Define Membrane controlled Drug delivery system.
3. _____ Drug delivery system release the drug at Zero order.
4. Enlist type of TDDS.
5. what is permeation enhancer?
6. True/ False: For CDDS, Rate limiting Step is release.
7. _____ systems are those where the drug in matrix of release retarding material & further coated with release controlling polymer membrane. (Hybrid, Reservoir)
8. Enlist evaluation parameter of Transdermal patch. Any four.
9. Define: ideal drug regimen
10. Write example of vaginal & rectal mucoadhesive DDS

Q. 2 Answer any 5 questions. Each question carries 4 marks.

(5*4=20Marks)

(SHORT QUESTIONS)

1. What is Immediate release dds & give its significance.
2. Define Transdermal Drug delivery system & write its components.
3. Brief on Erosion controlled CDDS
4. Write advantage of GRDDS & write about floating dosage form
5. Write a Theory that explain Mechanism of Muco adhesion.
6. Write evaluation parameter of Mouth dissolving Tablet.

Q.3 Answer any 3 question. Each question carries 7 marks.

(3*7=21Marks)

(DESCRIPTIVE QUESTIONS)

1. What is Colon Specific drug delivery system? Write Matrix Table Contain PH-dependant polymer & azo bond contain polymer.
2. Write note on following osmotic pump.
 - a) EOP
 - b) Bilayer PPOP
 - c) L- OROS Soft cap
3. Write down Buccal mucoadhesive Drug delivery system.
4. Enlist factor affecting for designing of CDDS & Brief on Biopharmaceutical parameter.