



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination – Winter-2022

<https://pharmacyindia.co.in/>

Date: 09/01/2023

Course: B. Pharmacy
Subject Name: Novel Drug Delivery System
Max Marks: 75

Sem: VII
Subject Code: BP704T
Duration: 3Hrs

Instructions –

1. All questions are compulsory <https://pharmacyindia.co.in/>
2. Draw diagrams/figures wherever necessary
3. Figures to right indicate full marks

Q. 1. Objective Type Questions (Answer all the questions) (10 x 2) = 20

- i) What are ideal characters of polymers?
- ii) Give types of ocular inserts.
- iii) Write factors affecting formulation of Controlled release drug delivery systems.
- iv) Enlist advantages of implantable drug delivery system.
- v) Write the methods of microencapsulation. <https://pharmacyindia.co.in/>
- vi) Name the Marketed products of Transdermal Patches.
- vii) Give the types of medicated IUD's.
- viii) Write the different approaches for gastric retention.
- ix) Give examples of chemical penetration enhancers.
- x) Give the disadvantages of copper intrauterine devices.

<https://pharmacyindia.co.in/>

Q. 2. Long Answers (Answer 2 out of 3) (2 x 10) = 20

- i) What is Gastro retentive Drug Delivery System? Give its advantages & disadvantages with approaches for GRDDS.
- ii) Define Transdermal drug delivery system (TDDS)? Give its advantages and disadvantages. Describe permeation enhancer with examples.
- iii) What is Nasal DDS? Give its advantages & disadvantages with formulation of Nasal Sprays.

<https://pharmacyindia.co.in/>

Q. 3. Short Answers (Answer 7 out of 9) (7 x 5) = 35

- i) Biopharmaceutic Characteristics of Drug to qualify for CDDS.
- ii) Explain the Theories of Mucoadhesion.
- iii) Write the challenges in delivering drug to the eye.
- iv) Explain about Microballoons as gastro adhesive drug delivery system.
- v) Explain concept, advantages and disadvantages of liposomes.
- vi) State various methods to prepare nanoparticles. <https://pharmacyindia.co.in/>
- vii) Describe the formulations of nasal sprays.
- viii) Describe intrauterine drug delivery system with applications
- ix) Write a note on Non-Effervescent Systems for FDSS.

-----END OF THE PAPER-----

<https://pharmacyindia.co.in/>

