

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary Examination Summer - 2023

Course : B. Pharmacy  
Subject Name : Novel drug delivery System  
Max Marks : 75

Date: 23/06/2023  
Sem: VII  
Subject Code: BP704T  
Duration : 3 Hr



Instructions:

1. All questions are compulsory
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) Enlist factors affecting formulation of Controlled drug delivery system.
- ii) Outline Classification of Polymers.
- iii) Give applications of Microencapsulation.
- iv) Give Disadvantages of Implantable drug delivery system.
- v) Enlist Excipients used in Nasal spray formulations.
- vi) Give role of Propellants in Aerosol along with their examples.
- vii) Give examples of Carriers used in targeted drug delivery.
- viii) What are Monoclonal Antibodies? Give any 2 applications of the same.
- ix) Describe role of Viscosity enhancers in improving Ocular Bioavailability
- x) Describe advantages of Intra-uterine devices.

D. Pharma University Exam Papers | B. Pharma University Exam Papers | GPAT,  
NIPER, Pharmacist, Drug Inspector Exam Papers | Previous Year Exam Papers |  
Latest Pharma Job | Pharma Colleges | Pharma News | Pharma Quiz

Visit - [pharmacyindia.co.in](https://pharmacyindia.co.in)

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

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

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

- i) What is GRDDS? Give the various approaches for Gastro-retention.
- ii) Define TDDS? Give its advantages & disadvantages. Describe permeation enhancer with examples.
- iii) Explain in detail the various types of Implants.

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

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

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

- i) Explain the Various theories of Mucoadhesion.
- ii) Explain Air suspension and Multi-orifice centrifugal process of Microencapsulation.
- iii) Explain the Basic components of transdermal drug delivery system.
- iv) Describe formulation of Nasal sprays
- v) Write a note on Dry Powder Inhalers.
- vi) Write a note on Monoclonal antibodies and their applications.
- vii) Write a note on various Ocular inserts.
- viii) Write a note on various Intra-uterine devices
- ix) Describe in detail the various applications of Polymers.

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

---END OF THE PAPER---

