

QP Code: 724006

Reg. No.....

Seventh Semester B. Pharm Degree Supplementary Examinations
February 2022
Novel Drug Delivery Systems
(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. Discuss the approaches for targeted drug delivery with suitable examples
2. Discuss the basic components of trans dermal drug delivery systems

Short Notes

(7x5=35)

3. Describe ideal drug candidates for liposomal drug delivery
4. Discuss microencapsulation by air suspension technique with diagram
5. Classify and outline the salient features of ophthalmic inserts
6. Outline principle and components of osmotic drug delivery system with suitable diagram
7. Identify the uses of polymers in pharmaceutical industry
8. Highlight the importance of Nasal route of drug delivery
9. List pharmaceutical applications of microencapsulation

Answer Briefly

(10x2=20)

10. Mention the applications of monoclonal antibodies
11. Distinguish between liposomes and niosomes
12. List four examples for controlled release polymers
13. Differentiate biodegradable and non-biodegradable polymers
14. List the physical approaches for permeation enhancement in trans dermal drug delivery systems
15. Mention disadvantages of controlled release drug delivery systems
16. Describe gastroadhesive systems
17. Explain on nebulizers
18. Outline mechanism of transmucosal permeability
19. Define diffusion controlled drug delivery systems
