

QP Code: 724006

Reg. No.....

**Seventh Semester B. Pharm Degree Special Supplementary
Examinations July 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. Explain the formulation approaches for Transdermal delivery systems. Add a note on the basic components of TDDS
2. Discuss methods of microencapsulation

Short Notes

(7x5=35)

3. Describe ideal drug candidates for buccal drug delivery
4. Discuss the concept of Monoclonal antibodies
5. Explain the concept of osmotic pump
6. Explain diffusion and dissolution-controlled systems citing suitable examples
7. Describe any two theories of mucoadhesion
8. Briefly outline the method of preparation of liposomes
9. What do you mean by Floating drug delivery systems

Answer Briefly

(10x2=20)

10. List the approaches for targeted drug delivery
11. Mention the applications of nanoparticles
12. Metered dose inhaler
13. Give any four examples of permeation enhancers used in transdermal drug delivery
14. What are the major components of niosomes
15. Explain intra ocular barriers
16. Give two examples each for biodegradable and non-biodegradable polymers
17. Highlight the importance of pulmonary drug delivery
18. List four desirable properties of polymers for pharmaceutical use
19. Write about ideal drug candidates for controlled drug delivery
