



Advances in Drug Delivery Systems (PT) -II

Q.P. CODE: 5168

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Define TDDS. Discuss the concept with its merits and demerits of Transdermal drug delivery system.
2. Explain the approaches used to develop injectable controlled release formulations with suitable examples.
3. Discuss the advantages and disadvantages of Targeted drug delivery. Discuss the applications of Monoclonal antibodies.
4. Discuss any two methods of preparation of Nanoparticles and write their evaluations.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write short notes on implantable drug delivery systems.
6. Write short notes on Carbon Nanotubes.
7. Write a note on permeation enhancers.
8. Discuss the merits and demerits of PCDDS.
9. Discuss the safety issues related to Nano drug delivery system.
10. Discuss the rationality behind the development of Targeted drug delivery systems.
11. Discuss the applications of Niosomes.
12. Write a note on Metal Nanoparticles.
13. Discuss briefly evaluation methods of Transdermal drug delivery system.
14. Write a note on Monoclonal antibodies.

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