



[Time: 3 Hours]

[Max. Marks: 75]

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. Explain the formulation approaches and evaluations of Transdermal drug delivery systems.
2. Explain the various formulation approaches for injectable controlled release formulations.
3. Discuss the formulations and evaluations of solid lipid nanoparticles.
4. What are Monoclonal antibodies? Explain the method of preparation of monoclonal antibodies.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write a note on permeation enhancers.
6. Discuss in brief evaluations of implantable drug delivery system.
7. Discuss the applications of monoclonal antibodies.
8. Write a note on liposomes.
9. Write short notes on Dendrimers.
10. Discuss safety issues related to Nano drug delivery systems.
11. Advantages and disadvantages of targeted drug delivery systems.
12. Write short notes on intrauterine implants.
13. Discuss the modes of targeted drug delivery systems.
14. Discuss the problems related to monoclonal antibodies.

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