

[Time: 3 Hours]

[Max. Marks: 75]

Advances in Drug Delivery System - I**Q.P. CODE: 5126**

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. Discuss in detail evaluation of CRDF.
2. Give the classification of polymers with examples. Explain evaluation of polymers.
3. Explain development and evaluation of buccal drug delivery systems with applications.
4. Give and explain the approaches for the designing of rate-programmed release controlled drug delivery systems.

SHORT ESSAY (Answer any Nine)**9 X 5 = 45 Marks**

5. Write a brief note on permeation enhancers.
6. Explain anatomy and physiology of eye.
7. Write a note on osmotic pump.
8. Explain the mechanism of ion exchange controlled systems.
9. Write a brief note on structure of oral mucosa.
10. Describe evaluation of nasal drug delivery systems.
11. Discuss diffusion controlled drug delivery systems.
12. Give applications of polymers in pharmaceutical formulations.
13. Compare and contrast SDDS and CDDS.
14. Discuss about pH controlled drug delivery systems.

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