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Advances in Drug Delivery Systems

(Revised Scheme 4)

Q.P. CODE: 9339

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any TWO)

- Explain the dissolution and combination of dissolution and diffusion controlled drug delivery 1. systems.
- 2. Give a note on development and evaluation of polymeric nano particles.
- 3. Explain pH controlled and osmotic controlled drug delivery systems.

SHORT ESSAY (Answer any FIVE)

- 4. Explain the various theories of muco adhesion.
- 5. Explain ion exchange controlled drug delivery systems.
- 6. Give a note on development and evaluation of buccal drug delivery systems with its applications.
- 7. Explain the concept of permeation of drugs through skin and factors affecting permeation.
- 8. Explain the various approaches for injectable controlled release formulations.
- 9. What are monoclonal antibodies? Give their diagnostic and therapeutic applications.

SHORT NOTES

- 10. Iontophoresis
- www.firstRanker. 11. Problems related to monoclonal antibodies

5 X 10 = 50 Marks

 $2 \times 20 = 40 \text{ Marks}$

2 X 5 = 10 Marks

[Max. Marks: 100]

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[Time: 3 Hours]