



3 X 10 = 30 Marks

- Differentiate between sustair www.firstRanker.gong delivery www.firstRanker.gong delivery systems.
- 2. Define Personalized Medicine. Explain customized drug delivery.
- Discuss iontophoretic transdermal drug delivery with examples.
- Discuss the theories of mucoadhesion and advantages and disadvantages of buccal mucoadhesive drug delivery.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

- Discuss the concept and rationale for controlled drug delivery.
- 6. Explain any two methods to overcome the corneal barrier.
- 7. Briefly discuss enzyme activated drug delivery systems.
- 8. Explain transdermal delivery of vaccines.
- Briefly discuss the evaluation of protein delivery systems.
- 10. Discuss the applications of synthetic polymers in controlled drug delivery.
- Describe the advantages and limitations of gastro-retentive drug delivery.
- 12. Discuss the factors affecting skin permeation of drugs.
- Write a note on bioerodible ocular inserts.
- 14. Describe mucoadhesive polymers.



