

www.FirstRanker.com Marks

- Discuss the various approaches for the Transdermal drug delivery systems with its evaluations.
- 2. Discuss different approaches for injectable controlled drug delivery system.
- 3. Discuss the formulation, evaluation and applications of Liposomes.
- What is targeted drug delivery system? Discuss the concept with its merits and demerits and 4. write the applications of targeted drug delivery systems.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

- 5. Discuss the rationale behind Transdermal drug delivery.
- Write the diagnostic applications of monoclonal antibodies. 6.
- 7. Explain iontophoresis as technique to enhance the drug permeation.
- 8. Write a note on intrauterine implants.
- 9. Write a note on metal nanoparticles.
- 10. Discuss about carbon nanotubes.
- Write a note on niosomes. 11
- 12. Write a note on Dendrimers.
- 13. Write a note on safety issues related to nano drug delivery.
- Discuss the merits and demerits of injectable controlled drug delivery system. 14.

www.FirstRanker.com