str Raux Gandhi University of Health Sciences anker.com First Semester M. Pharm Degree Examination - June

[Time: 3 Hours]

Drug Delivery System O.P. CODE: 5128

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

LONG ESSAY (Answer any Three)

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- Write note on various Physiochemical and Biological factors approaches for SR or controlled 1. release formulations.
- 2. Describe the importance of uptake of Antigens and Transdermal vaccines.
- 3. Explain the methods of Formulation and Evaluation of Occular drug delivery system.
- 4. Explain the various approaches used to Formulation of Feedback regulated drug delivery system.

SHORT ESSAY (Answer any Nine)

- 5. Describe the mechanically activated controlled drug delivery system.
- 6. Write note on importance of Bioelectronics medicines.
- 7. Explain various approaches used to Formulations of Trandermal drug delivery systems.
- 8. Describe the methods of Evaluation of Trandermal drug delivery systems.
- 9. Write note on PH activated drug delivery systems.
- 10. Write the principle involved in Formulation of Buccal drug delivery system.
- 11. Explain the advantages and disadvantages sustained release drug delivery system.
- 12. Write note on drug delivery systems of proteins and other macromolecules.
- 13. Write note on importance of 3D printing in pharmaceuticals.
- www.firstRa**** 14. Explain various methods used to Formulation of diffusion controlled delivery system.

[Max. Marks: 75]

9 X 5 = 45 Marks

3 X 10 = 30 Marks