

Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester M. Pharm Degree Examination - 04-Jun-2024

Time: Three Hours

Max. Marks: 75 Marks

COMPUTER AIDED DRUG DELIVERY SYSTEM

Q.P. CODE: 5171

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

Answer All The Questions

10 X 7.5 = 75 Marks

1. Discuss briefly computational modelling of drug disposition.
2. Explain *in-vitro* and *in-vivo* correlation in simulation studies.
3. Write a note on legal protection of innovative uses of computers in research and development.
4. Write about QBD with examples of application.
5. Write the applications of Robotics and artificial intelligence in pharmaceutical research.
6. Write in detail Bio-waiver considerations.
7. Discuss the applications of computer aided techniques in pharmaceutical emulsion microemulsion.
8. Write a note on any two simulation models used in pharmacokinetics and pharmacodynamics.
9. Write a note on clinical data collection and management.
10. Define and explain confidence regions and sensitivity analysis.

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