

Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester M. Pharm Degree Examination - 08-Nov-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. Write about the history of computers in pharmaceutical research and development.
2. Write a note on mechanistic modeling and confidence regions.
3. Write in detail about Bio-waiver considerations in gastrointestinal simulation.
4. Write the applications of artificial intelligence and robotics in pharmaceutical research.
5. Explain ICH Q8 Guidelines.
6. Discuss in brief about the different types of clinical data collection and regulation of computer systems.
7. Write a note on factorial design and optimization parameters.
8. Discuss the legal protection of Innovative uses of computers in R&D. Write a note on computers in market analysis.
9. Discuss briefly about computer simulation of the whole organism and isolated tissues.
10. Write a note on computational fluid dynamics with its applications.

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