

Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester M. Pharm Degree Examination - 18-Nov-2021

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 in detail the various aspects about model exploration.
2. Explain the concept of optimization. Discuss various optimization parameters.
3. Define computational fluid dynamics. Discuss its pharmaceuticals applications.
4. Discuss Insilco approaches in modelling of drug oral absorption and distribution.
5. Write a note on clinical Data Management.
6. Explain the ethics of computing and computers in market analysis.
7. Write a note on different types of simulation models used in Pharmacokinetics and Pharmacodynamics.
8. Write a note on whole organism and isolated tissues used in pharmacokinetics and pharmacodynamics.
9. Explain hPEPT₁ and BBB-Choline Transporter used in ADMET modeling.
10. Write a note on Quality by design.

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