

Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester M. Pharm Degree Examination - 25-Jul-2022

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. Explain the modeling techniques involved in drug disposition.
2. Define gastrointestinal absorption simulation. Discuss about model construction with an example.
3. Explain about role of Computers in the development of pharmaceutical emulsions.
4. Describe advantages and pharmaceutical applications of Artificial Intelligence (AI).
5. Write in detail about QbD approach.
6. Write about the history of computers in pharmaceutical research and development.
7. Discuss about ASBT, BCRP and p-gp in computational modeling.
8. State the differences between descriptive and mechanistic modeling.
9. Write note on the ethics of computing in pharmaceutical research.
10. Explain in detail about Computer Simulation for the whole organism and Isolated Tissues.

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