

Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester M. Pharm Degree Examination - 24-Mar-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. Enlist and explain the Pharmaceutical Development Guideline in ICH Q8.
2. Explain In-Vivo-In-Vitro correlations in pharmacokinetic simulation studies.
3. Explain the applications of computers in the development of pharmaceutical emulsions.
4. Write the application of Computational Fluid Dynamics (CFD) in pharmaceutical technology.
5. Write a short note on the history of computers in pharmaceutical research and development.
6. Write short note on factorial design in optimization of computer-aided formulation development.
7. Write the advantages, disadvantages and future directions regarding Artificial Intelligence (AI) in pharma industry.
8. Write short note on computational modeling in drug disposition.
9. Write the difference between descriptive and mechanistic modeling.
10. Enlist the ethics of computing in pharmaceutical research.

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