

Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester M. Pharm Degree Examination - 03-Jun-2023

Time: Three Hours

Max. Marks: 75

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 about statistical modeling and optimal design. Add a note on population modeling
2. Brief outline the concept of QbD in pharmaceutical product development with respect to ICH guidelines
3. Explain drug absorption by active transport and also explain BCRP and BBB-choline transporter
4. Explain in detail about screening experimental design
5. Discuss different optimization techniques in formulation development
6. Explain the role of computers in clinical data collection and its management
7. Give an overview of AI and its applications in pharmaceuticals
8. What is modeling? Explain computational modelling of drug disposition
9. Discuss history of computers in Pharmaceutical research and development
10. Discuss importance of computers in market analysis

* * * * *