

Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester M. Pharm Degree Examination - 11-Dec-2020

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 in detail about the computer aided formulation development of pharmaceutical emulsions.
2. Enlist active transporters used for drug disposition. Write in detail about any two of them.
3. Explain the ICH Guidelines to be followed in the application of Quality by Design in pharmaceutical development.
4. Describe in detail the different types of computer simulation models.
5. Differentiate between Descriptive versus Mechanistic modelling.
6. Write the various legal protection of Innovative uses of computers in R&D.
7. Explain virtual trial in biopharmaceutical characterization.
8. Write about population modelling and optimal design.
9. What are the advantages and applications of artificial Intelligence in pharmaceutical research and development?
10. Write a note on In-vitro-In-vivo correlation.

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