

Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester M. Pharm Degree Examination - 22-Nov-2022

Time: Three Hours

Max. Marks: 75 Marks

PRINCIPLES OF DRUG DISCOVERY

Q.P. CODE: 5179

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. How the lead is identified and optimized illustrate on example.
2. Explain the threading and homology modeling methods.
3. Discuss the structure based drug design with examples.
4. Explain free Wilson analysis. Write the advantages of it.
5. What are prodrugs? Explain central nervous system delivery of prodrugs.
6. Write a note on role transgenic animation target validation.
7. Explain the pharmacophore mapping.
8. Discuss the role of siRNA's in target drug discovery.
9. Write a note on Lipinski rule for drug likeness prediction.
10. Discuss the role of genomic and proteomics in target drug discovery.

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