

Rajiv Gandhi University of Health Sciences, Karnataka

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

Max. Marks: 75 Marks

Time: Three Hours

PRINCIPLES OF DRUG DISCOVERY

Q.P. CODE: 5179

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

10 x 7.5 = 75 Marks

Answer All The Questions

1. Discuss the role of antisense oligonucleotide in target discovery.
2. Explain the role of Lipinski rule for drug likeness.
3. Write a note on types of molecular docking and give examples of softwares available for it.
4. Explain the history and development of QSAR.
5. Discuss the role of pharmacophore model based virtual screening in drug discovery.
6. Discuss the application of prodrugs in reduction of toxicity and prolonging duration of drug action.
7. Explain the fee Wilson method with a suitable example.
8. Explain about the role of high throughput screening in rational drug design.
9. Discuss the role of nucleic acid microarrays.
10. Explain the concept of pharmacophore based screening.

* * * * *