

- 7 a. What is molecular modeling? Explain the steps involved in molecular modeling with relevant tools. (10 Marks)
- b. Explain the concept of energy minimization and superimposition in molecular modeling. (06 Marks)
- c. Discuss the utility of GRASP. (04 Marks)
- 8 a. What is molecular docking? Discuss various methods and tools for docking studies. (08 Marks)
- b. Write relevant note on:
- i) Receptor mapping
 - ii) QSAR
 - iii) Pharmacophore pattern. (12 Marks)

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