

DEPARTMENT OF BIOPHYSICS

UNIVERSITY OF MUMBAI

SAMPLE MCQ QUESTIONS

BP-CTT 404 Molecular Modelling & Drug Design

Que.1. Which of the following approach is considered under the 'Ligand based drug designing' ?

- a) Molecular docking
- b) Pharmacophore modeling
- c) QSAR Modeling
- d) b and c both

Que.2. Which of the following software is used for Phylogenetic analysis?

- a) LUDI
- b) MEGA
- c) CHEM3D
- d) CoMFA

Que.3. Which type of data base EBI is ?

- a) Protein db
- b) Pathway db
- c) Nucleotide db
- d) Specialized db

Que.4. Which of these is gene prediction algorithm?

- a) UPGMA
- b) Hidden Markov Model
- c) Maximum parsimony
- d) None

Que.5. Procheck tool is use for

- a) Alignment
- b) Protein Validation
- c) Simulation

d) None of these

Que.6. ARSA is search engine of

- a) DDBJ
- b) GENBANK
- c) EMBL
- d) UNIPROT

Que.7. Which one is the application of bioinformatics

- a) Design of primers
- b) Grouping of proteins into families
- c) Reconstructing genes from EST sequences
- d) All

Que.8. Which of the following method used for virtual screening

- a) ADMET analyses
- b) QSAR modeling
- c) Pharmacophore modeling
- d) All of the above

Que.9. CoMFA method is used for

- a) 4D-QSAR
- b) 3D-QSAR
- c) 5D-QSAR
- d) 6D-QSAR

Que.10. Lipinski's rule of five is used for

- a) Docking
- b) Similarity search
- c) Drug likeness
- d) Dynamics simulation