Quiz
Chapter 1
Overflow of CADD and QSAR

Full Marks: 10 Time: 10 min

1. QSAR starts from

a) Finding the lead b) Optimizing the lead c) Finding Bioactivity of the lead d) None of these

2. CADD involves

a)Varying pharmacophore and keeping substituents constant
b) Varying substituents and keeping pharmacophore constant
c) keeping both pharmacophore and substituents constant
d) All of these
e) None of these

3. Receptor in QSAR is a

a) native physiological protein b) small molecule c) native protein modified in specific positions d) protein-ligand complex

4. In QSAR, structures are depicted in terms of

a) Descriptors b) Bonds c) No. of atoms d) All of these

5. The first set of molecules under investigation can be filtered out by

a) Docking b) in vivo biological activity evaluation c) Lipinsky's rule d) toxicity evaluation

6. In QSAR biological activity is often described in

a) Log scale b) Semilog scale c) Linear scale d) Eigenvalue scale

7. BA in log scale with molecular descriptors can be correlated with

a) Regression analysis d) Addition c) Subtraction d) All of these

8. MW as per Lipinsky's rule should be

a) <200 Da b) <300 Da c) <400Da d) <500Da

9. Log P is correlated with

a) Compound's steric effect b) Compound hydrophobicity c) Compound's lipophicity d) both a and b e) both b and c

10. Ligands in protein fit in

a) Binding site b) Allosteric sites c) both of these d) None of these