T-E-VI Sem -Biotech.

Bioinformatics-II   TE/VI/CBGS/BT/ BI-II

(14) QP Code : 6287

(3 Hours)   [Total marks 80

N.B : Q1 is compulsory

Answer any three out of remaining five questions

Draw neat and labeled diagram wherever necessary.

Q1] Explain :   20M

  a) XML

  b) Torsion angle

  c) Chaperones

  d) Simulated annealing

Q2] a) Explain machine learning approach to bioinformatics.   10M

   b) Describe the various features and process of protein ligand docking.   10M

Q3] a) Describe the methods of molecular modeling   10M

   b) Explain the process of Energy minimization   10M

Q4] a) Describe QSAR   10M

   b) Describe 3D QSAR   10M

Q5] a) Describe the various features of interoperability   10M

   b) Describe the various features of ramchandran plot   10M

Q6] a) Explain the features of endogenous compounds as drug molecules.   10M

   b) Describe drug designing procedure   10M

X

MD-Con. 7336-15.