Bivinformatics - I

TE/M/COGS/80/800 BIONE-I QP Code:569400

	(3 Hours)	[Total Marks: 80]
Note: 1. Question no. 01 is compulso) T-V	
2. Attempt any 03 questions o	ut of remaining 05 questions	
Q1] i)Define docking and explain	the process of protein ligand de	ocking. 10M
ii) Differentiate between covalent		
Q2]i) Describe the various methods of	EMand: ovalent interactions.	10M
Q2]i) Describe the various methods of ii) Describe 3D QSAR	in Machine learning and there role	in bioinformatics. 10M
Q3]i) Describe the features and tech	price!	10M
ii) Explain the process of energy	minimization	ility.
Q4]i) Define optimization and explai	maininization	- 10M
ii) List and describe the role of	in the process of drug optimization.	on. 10M
ii) List and describe the role of v Q5] Describe:	arrous types of chaperones	10M
		· 20M
 molecular mechanics UMLS Simmulated annealing Molecular dynamics 		
Q6] i) Describe the features of rame protein using rame handran pl	handran plot and evaluing	
protein using ramehandran pl	ot.	
ii) Explain the features of torsic	on angle and Cartesian coording	10M
	- Toolalla	10M