## Cluster Innovation Centre University of Delhi End Semester Examination May 2025

and semester Dammadon May 2020					
S P P N	Name of the Course Semester: Paper Title: Paper code: Maximum marks: Instructions:	E: B.Tech (IT & MI)  IV  in silico Biology  3124002007  60  Question 1 is comp	ulsory. Attempt any thre	Time duration: 2 lee from the rest.	hours
X.	samples and you Design a set of	want to detect pathor f in silico experiment e samples. Give a det	Drung glacier in Ladakh. gens (bacteria, virus) not ents that you can performailed protocol and name to	encountered by moon after a sequence/	dern humans. metagenome
χ.			charts any three of the followers, Bootstrapping, PSI-B		(5X3=15)
<i>3</i> .		•	? Prepare a matrix for al gument for a local or glob	•	CLASS' and (15)
A		pes of phylogenetic to	sed and maximum likelih ree representation. Explain		

5. What is protein-ligand interaction analysis? Define protein modelling. Name 5 protein modelling

and/or docking software.

(5+5+5=15)