

9.	Which of the following is a key advantage of using MongoDB for genomic data storage? a) Fixed schema b) Inability to handle large data sets c) Flexible schema allowing for various data types d) Limited querying capabilities	CO1	K2
10.	When creating a MongoDB database for UniProt, what is an essential step? a) Defining a fixed schema b) Limiting data types to integers and strings c) Normalizing all data into separate tables d) Importing data using bulk operations	CO1	K1
Q. No.	SECTION B (10 X 2= 20 MARKS) ANSWERS IN ABOUT 50 WORDS	CO	KL
11	Mention the text editors available in Linux OS.	CO2	K3
12	What command is used to run the bash script?	CO3	K4
13	Name the types of Data Languages.	CO2	K3
14	List the advantages of DBMS.	CO3	K4
15	Explain the difference between single row functions and group functions in SQL, providing an example of each.	CO2	K3
16	Give an example for subquery along with the general syntax.	CO2	K3
17	Explain the types of DBMS.	CO3	K4
18	Compare and contrast the primary key and candidate key.	CO3	K4
19	Mention the key steps involved in Web development with MongoDB.	CO3	K4
20.	Distinguish JSON and BSON format.	CO3	K4
Q. No.	SECTION C (4 X 5= 20 MARKS) ANSWER IN ABOUT 500 WORDS - INTERNAL CHOICE	CO	KL
21	a) Brief in detail about changing the access rights in Linux OS. (or) b) Discuss on B+Tree.	CO4	K5
22.	a) Enhance the key features of Constraints in the DBMS integrity. (or) b) Elucidate the various Database Normalisation in detail.	CO5	K6
23.	a) Describe the importance of E-R model with the schematic representation. (or) b) Elaborate the multi-model database in NoSQL.	CO4	K5
24.	a) Illustrate with an example for Multiple and Correlated Subqueries. (or) b) Highlight the importance of MongoDB or Redis for Biomedical data.	CO5	K6
