



QP CODE: 25022229



Reg No :

Name :

M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

M.Sc BIOINFORMATICS

CORE - BT010303 - DATABASE CONCEPTS & BIOLOGICAL DATABASES

2019 ADMISSION ONWARDS

D75D92C8

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Explain the concept of Consistency in Database.
2. Explain the use of CREATE command.
3. What is procedural language?
4. What Procedures in PL/SQL?
5. Explain the use of Loops.
6. Comment on Any two RDBMS Softwares.
7. What do you mean by primary databases?
8. What do you mean by FASTA format?
9. What is ScanProsite?
10. What do you mean by a protein fold?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain about different DDL commands with example.
12. Create a protein table with four fields ID, NAME, DESCRIPTION AND FUNCTION USING CREATE command.
13. Comment on Character data type in PL/SQL.





14. Comment on Run time Exception in PL/SQL.
15. Comment on PHP Data types.
16. Explain with example two dimensional array with example.
17. List out the various search options available in PubChem.
18. OMIM is a disease as well as organism specific database. Explain.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Explain about the structure of Database.
20. Explain with example creation of cursors and also use of cursors in PL/SQL.
21. Discuss the various protein sequence databases and their features.
22. DrugBank is an important resource in pharmaceutical research. Explain.

(2×5=10 weightage)

