

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2019 - 2020)

SUBJECT CODE: 19BI/PC/DB14

M. Sc. DEGREE EXAMINATION, NOVEMBER 2019

BIOINFORMATICS

FIRST SEMESTER

COURSE : CORE

PAPER : DATABASE MANAGEMENT SYSTEMS

TIME : 1½ HOURS

MAX. MARKS: 50

SECTION – A

ANSWER ALL THE QUESTIONS:

(30x1=30)

1. What is physical data independence?
2. Write any two responsibilities of Data Base Administrator.
3. What is an Attribute?
4. What is shell in Linux?
5. Define Linux OS
6. Name any two Linux desktop environments.
7. Define relational schema.
8. What is relation cardinality in SQL?
9. DML
10. What is normalization?
11. What is the use of SQL UPDATE statement?
12. Define the term functional dependency?
13. Define schema
14. What is B+ tree index?
15. Consider a disk with 2000 tracks per surface, a sector size of 512 bytes, how many cylinders does the disk have?
16. What is HTML?
17. Joins
18. What is data mining?
19. Define DDL.
20. What is the use of union operator?
21. What is the purpose of Revoke command in SQL?
22. What is correlated sub query?
23. What is single row function?
24. What is a table alias?
25. Define domain constraints.
26. Define view
27. TCL
28. What is BCNF
29. What is PL/SQL?
30. Define MySQL.

SECTION – B

ANSWER ANY TWO

(2x10=20)

31. List the different types of data models of DBMS. Explain ER data model with diagram.
32. Give a detailed note on Normalization for relational databases.
33. Explain briefly various file organization.
34. Explain Data Manipulation Language commands with example.
