

M. Sc. DEGREE EXAMINATION, NOVEMBER 2017
BIOINFORMATICS
FIRST SEMESTER

COURSE : CORE
PAPER : DATABASE MANAGEMENT SYSTEMS
TIME : 90 MINUTES

MAX. MARKS: 50

SECTION A

ANSWER ALL QUESTIONS

(30 X 1 = 30)

1. Name the two components of database systems.
2. Define data model.
3. Give the description of cd command in Linux.
4. What is the use of dd command in Linux?
5. What is an operating system?
6. Write any two filters in Linux.
7. Define SQL.
8. What is form in SQL?
9. What are Views?
10. What is normalization?
11. Comment on RDBMS
12. What do you understand by Transaction control language?
13. Write one difference between disk and tapes.
14. Mention any one external storage device.
15. Define cursor.
16. Write the update command in SQL?
17. Define string functions in SQL.
18. Define data mining.
19. Define Attribute.
20. Write any two DML commands.
21. What is an equi join?
22. Define correlated sub query.
23. Write the SQL function used to add a date.
24. Write the function to insert the current time.
25. What are the integrity constraints?
26. Define referential integrity constraint.
27. What is share lock?
28. Write the syntax to create the Synonym.
29. List the scalar data types of PL/SQL.
30. Write the MySQL command to create database.

SECTION B

ANSWER ANY 2 QUESTIONS

(2 x 10 = 20)

31. a. List and explain the major advantages of database management systems.
b. Draw ER diagrams for Student database.
32. Explain in detail about normalization with an example.
33. Give a detailed note on aggregate functions in oracle.
34. What is DDL? Explain DDL commands with an example query.
