

M. Sc. DEGREE EXAMINATION, NOVEMBER 2016  
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. The DBMS acts as an interface between ----- two components of an enterprise-class database system.
2. An application where only one user accesses the database at a given time is an example of a(n) ----- .
3. An on-line commercial site such as Amazon.com is an example of a(n)-----.
4. Because it contains a description of its own structure, a database is considered to be -----.
5. -----command is used to count the total number of lines, words, and characters contained in a file.
6. Command is used to remove the directory is -----.
7. The command to remove rows from a table 'CUSTOMER' is:-----
8. In SQL, the UPDATE command belongs to ----- language.
9. -----is the correct order of keywords for SQL SELECT statements.
10. Row is synonymous with the term:-----.
11. Every time attribute A appears, it is matched with the same value of attribute B, but not the same value of attribute C. Therefore, it is true that:-----
12. SQL stands for -----.
13. The multimedia databases consists of ----- kinds of data.
14. In DBMS, RAID stands for-----.
15. Write the syntax for inserting values into the table-----.
16. -----are composite indexes.
17. In SQL, ----- command is used to add a column/integrity constraint to a table.
18. A process to upgrade the quality of data before it is moved into a data warehouse is -----.
19. Relational calculus is a-----.
20. Manipulation & processing of database is done by ----- language.
21. 'AS' clause is used in SQL for -----.
22. A relational database developer refers to a record as-----
23. Operation is used if we are interested in only certain columns of a table is -----
24. The full form of DDL is -----.
25. MySQL Server works in-----.

26. MySQL programs can be invoked with the -----.
27. The number of indexes allowed per table in MySQL are -----.
28. ----- functions returns the length of the string str in bits.
29. In MySQL, the syntax show database displays-----.
30. In SQL, the syntax for lock table is-----.

**SECTION B****ANSWER ANY 2 QUESTIONS****(2 x 10 = 20)**

31. Explain the structural components of a DBMS..
32. Describe the function of each of the following types of keys:  
Primary, alternative, secondary and foreign.
33. Explain the aggregate functions and string function in SQL. Give examples.
34. Define the following with respect to SQL
  - (i) Specifying alias (ii) UNIQUE function
  - (iii) ORDER BY clause (iv) LIKE predicate (v) Asterisk (\*)

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