



19/4/16



K16U 0497

Reg. No. :

Name :

IV Semester B.Sc. Degree (CCSS – Supple./Imp.)
Examination, May 2016
Core Course in Computer Science
4B06 CSC : DATABASE MANAGEMENT SYSTEM
(2013 and Earlier Admissions)

Time : 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for a bunch of **4** questions is **1**.

1. E-R model is used in _____ level.
2. A key used strictly for data retrieval purposes is called _____
3. A tuple is also known as a _____
4. _____ is the RDBMS terminology for a table. **(W=1)**
5. ALTER statement is an example of _____ command.
6. In E-R diagram Ellipses represents _____
7. The smallest unit of data in the relational model is _____
8. DCL stands for _____ **(W=1)**

SECTION – B

Answer **any 5** questions **each** carries Weightage **1**.

9. Explain DDL statements ?
10. What is data dictionary ?
11. What is an entity ?

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12. What is referential integrity?
13. What are the different SQL SET operations?
14. What are the fundamental operations in the relational algebra?
15. Write down the syntax for SQL INSERT statement.
16. Write down the syntax of SUBSTR function. (5x1=5)

SECTION - C

Answer 5 (five) questions each carries Weightage 2 :

17. Explain the three schema architecture of DBMS.
18. Explain the Hierarchical database model.
19. What is physical data independence?
20. What is type relational calculus?
21. What are the different task of a database manager?
22. What are the main functions of DBA?
23. Explain primary keys and foreign keys.
24. Explain the grouping of queries. (5x2=10)

SECTION - D

Answer any 1 question. Weightage 4.

25. What is relational algebra? Explain the fundamental operations of Relational Algebra.
26. Write down the syntax of DDL, DML and DCL Sql commands with suitable examples. (1x4=4)