

M 8545



Reg. No. :

Name :

IV Semester B.Sc. Degree (CCSS-Reg./Supple./Imp.)
Examination, May 2015

CORE COURSE IN COMPUTER SCIENCE
4B06CSC : Database Management System

Time : 3 Hours

Max. Weightage : 21

SECTION - A

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

1. The collection of information stored in a database at a particular moment is called _____
2. _____ is the smallest unit of data in the relational model.
3. E-R model is used in _____ phase.
4. A person who is having central control over data and programs accessing that data is _____
5. The information about data in a database is called _____
6. A collection of operations that performs a single logic function is called _____
7. In E-R diagram ellipses represent _____
8. An object that exists and is distinguishable from other object is called _____

(1×2=2)

SECTION - B

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

9. What is database schema ?

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10. Define the term DBMS.
11. Write short notes on DML statements.
12. What is a transaction ?
13. What are the two main datastructuring concepts in the hierarchical models ?
14. How are SQL commands classified ?
15. What is the general form of SQL INSERT command ?
16. Write short notes on relational database. (5×1=5)

SECTION – C

Answer **any 5** questions **each** carries weightage **2**.

17. Explain object oriented Data Models.
18. What are the functions of DBA ?
19. Write down the formal definition of tuple relational calculus.
20. What are the different datatypes in SQL ?
21. Explain functional Dependencies.
22. Explain triggers.
23. What are the SET operators in SQL ? Explain.
24. Write general syntax of UPDATE statement with example. (5×2=10)

SECTION – D

Answer **any 1** question weightage **4**.

25. Explain normalization in detail.
26. Explain different table constraints. (1×4=4)