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.

$(1×4=4)$