

D 51507

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Name.....

Reg. No.....

THIRD SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2013

(UG–CCSS)

(Core Course)

CA 3B 03—DATABASE DESIGN AND RDBMS

Time : Three Hours

Maximum : 30 Weightage

I. Answer all twelve questions :

1 _____ is the smallest unit of data.

- (a) Field. (b) Tuple.
- (c) File. (d) Record.

2 _____ represent attributes in the ER diagram.

- (a) Rectangles. (b) Diamonds.
- (c) Lines. (d) Ellipses.

3 A column in a table is known as _____

- (a) Attribute. (b) Field.
- (c) Tuple. (d) Record.

4 An attribute of one table matching the primary key of another table is called as :

- (a) Foreign key. (b) Candidate key.
- (c) Secondary key (d) Super key.

5 Which of the following is a DML command ?

- (a) Create. (b) Delete from.
- (c) Alter. (d) Drop.

6 Which of the following is not a SQL numeric data type ?

- (a) Number. (b) Decimal.
- (c) Integer. (d) Time.

7 A candidate key that is chosen as a unique identifier for a table is called _____

8 The overall design of a database is called _____

9 DDL stands for

10 The number of attributes in a relational model is called _____

11 In the select statement, _____ operator is used for setting a condition with pattern matching.

12 The aggregate function used to find the total number of records is _____
(12 x 1/ = 3 weightage)

Turn over

II. Short Answer Type Questions. Answer *all* nine questions.

- 13 What is an entity ?**
- 14 Define BCNP.**
- 15 What is a constraint ?**
- 16 What is a cursor ?**
- 17 What is a stored procedure ?**
- 18 Define primary key.**
- 19 What is meant by domain ?**
- 20 What is the use of order by clause in SQL ?**
- 21 What is a transaction ?**

(9 x 1 = 9 weightage)

III. Short Essay or Paragraph Questions. Answer any *five* questions.

- 22 Explain hierarchical data model.**
- 23 Explain various aggregate functions.**
- 24 Explain any *two* DML commands in SQL.**
- 25 Explain about triggers.**
- 26 Explain about different types of database users.**
- 27 Explain the features of relational model.**
- 28 When are stored procedure useful ? Give an example.**

(5 x 2 = 10 weightage)

IV. Essay Questions. Answer any *two* questions.

- 29 What is meant by normalization ? Explain different normal forms.**
- 30 Explain the operators used for setting conditions in SQL.**
- 31 Explain the DDL commands (i) Create ; (ii) Alter ; (iii) Drop in detail with examples.**

(2 x 4 = 8 weightage)