

D 31092

(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER **B.C.A.** DEGREE EXAMINATION, NOVEMBER 2012

(CCSS)

CA3 ~~B03~~—DATABASE DESIGN AND RDBMS

Time : Three Hours

Maximum : 30 **Weightage**

I. Answer all *twelve* questions

1 Which of the following is an essential clause used with SELECT command :

- (a) Group by. (b) Order by.
(c) Where. (d) From.

2 An **unnormalized** relation contains values :

- (a) Atomic. (b) Non-atomic.
(c) Classified. (d) None of the above.

3 In a relational **model**, a **tuple** is equivalent to a :

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

4 Which of the following is a **DDL** command ?

- (a) Select. (b) Update.
(c) Create table. (d) Insert into.

5 Which of the following is not a column constraint in SQL ?

- (a) Check. (b) Distinct.
(c) Unique. (d) Default.

6 _____ is the smallest unit of data.

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

7 **DCL** stands for _____

8 The command used to delete a table is _____

9 The number of **tuples** in a relational model is **called** _____

10 The meta data is stored in _____ file of the database.

11 The collection of information stored in the **database** at a particular moment is called _____

12 _____ keyword avoids duplication of column values during selection operation.

(12 x ¼ = 3 **weightage**)

Turn over

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

- 13 Define schema.
- 14 What is weak entity set ?
- 15 Define first normal form.
- 16 What is a view ?
- 17 What is meant by sub query ?
- 18 What are the properties of a transaction ?
- 19 Define foreign key.
- 20 What is meant by domain ?
- 21 What is the difference between where clause and having clause in SQL ?

(9 x 1 = 9 weightage)

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

- 22 Explain the constraints to be used when a table is created.
- 23 Explain the types of JOIN.
- 24 Write the syntax of having and group by in SQL.
- 25 Explain any two **DDL** commands in SQL.
- 26 What is a stored procedure ? Explain the advantages of stored procedures.
- 27 Explain various types of keys in **RDBMS**.
- 28 Explain the mapping **cardinalities** related with an **E-R** enterprise schema.

(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 advantages of database approach.
- 31 (a) Explain the **DML** commands in SQL with examples.
(b) Explain about triggers.

(2 x 4 = 8 weightage)