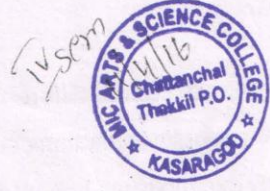




g. No. :

me :



K16U 0497

K16U 0697

9. Brief

10.

IV Semester B.Sc. Degree (CBCSS – 2014 A)
Examination, May 2016
GENERAL COURSE IN COMPUTER SCIENCE
4A13CSC : Database Management System

Time : 3 Hours

Max. Marks : 40

SECTION – A

(8x0.5=4)

1. One word answer :

- a) _____ is the primary goal of the database.
- b) The structure of the database is _____
- c) The overall design of the database is called _____
- d) _____ is used to combine related tuples from two relations.
- e) _____ command is used to create a table.
- f) _____ is also known as project – join normal form.
- g) The appearance of the data for end users is known as _____
- h) The collection of information stored in the database is called _____

SECTION – B

(7x2=14)

Write short notes on **any seven** of the following questions :

- 2. Write a note on E-R model ?
- 3. Define foreign key ?
- 4. What is projection operation in relational algebra ?
- 5. What is the usage of INSERT Command ?
- 6. What is functional dependency ?
- 7. Explain about the database languages.
- 8. Explain about the following :
 - a) Trigger
 - b) Cursor.

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9. Briefly explain about different keys used in relational model.
10. Explain about transaction control statements in SQL.
11. Clearly explain three schema architecture.

SECTION – C

Answer **any four** of the following questions.

12. What is a Join ? Explain equi-join and natural-join.
13. What is DBMS ? What are the different application areas of DBMS ?
14. Explain components of SQL.
15. What is Integrity Constraint ? Clearly explain different ICs ?
16. Write a note on ALTER Command.
17. Explain about the following :
 - a) Decomposition
 - b) Dependency preservation
 - c) Multivalued dependency.

SECTION – D

Write an essay on **any two** of the following questions :

18. Explain E-R Data model.
19. What is a relational model ? Explain about different operators of relational model in detail.
20. Write a detailed note on Normalization.
21. Explain about the following :
 - a) CREATE
 - b) ALTER
 - c) DROP
 - d) UPDATE
 - e) DELETE.