K18U 0924

Reg. No. : ....

Name : ....

IV Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, May 2018
(2014 Admn. Onwards)
GENERAL COURSE IN COMPUTER SCIENCE
4A13CSC : Database Management System

Time : 3 Hours   Max. Marks : 40

SECTION – A

1. **One** word answer :   (8×0.5=4)

   a) _____ a collection of conceptual tools for describing data, data semantics and consistency constraints.

   b) Which problem is compounded when constraints involve in several data items from different file ?

   c) Procedural language and Non Procedural language in _____

   d) _____ describes the logical structure of a database graphically.

   e) Normalization is developed by _____

   f) BCNF stands for _____

   g) _____ is allow to combine the information from two relations.

   h) If the tuple variables are all bound variables in a WFF is called _____

SECTION – B

Write short notes on **any seven** of the following questions :   (7×2=14)

2. What is database management system ?

3. What is data abstraction ?

4. What do you mean by normalization database ?

P.T.O.

5. List out the different types of DML languages in database.

6. What is Triggers ?

7. Define materialized view.

8. Write note on DCL commands.

9. What do you mean by assertion ?

10. What are the two types of multi valued dependency ?

11. Why use DROP command in SQL ?

SECTION – C

Answer **any four** of the following questions :   **(4×3=12)**

12. What are the different levels in data abstraction ?

13. Differentiate a file processing system and a DBMS.

14. Explain 2NF and 3NF. Write example.

15. What are the disadvantages in hierarchical data model ?

16. Explain difference and intersection, Cartesian production relational algebra.

17. What do you mean by relational calculus ?

SECTION – D

Write an essay on **any two** of the following questions.   **(2×5=10)**

18. Explain with detail fundamental operation in relational algebra.

19. Explain Entity relational model with example.

20. Brief note on Relational calculus.

21. Explain in detail 1NF, 5NF and BCNF.

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