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K19U 2465

Reg. No. : .....

Name : .....

III Semester B.Sc. Degree (CBCSS-Reg./Sup./Imp.)
Examination, November - 2019
(2014 Admn. Onwards)
COMPLEMENTARY COURSE IN COMPUTER SCIENCE
3C03CSC : DATABASE MANAGEMENT SYSTEM

Time : 3 Hours Max. Marks : 32

SECTION-A

1. **One** word answer. **(6×0.5=3)**
   a) A function that has no partial functional dependencies is in _____ form.
   b) A bottom-up design process combine a number of entity sets that share the same features into a higher-level entity set is known as _____.
   c) 3NF is based on the _____ concept.
   d) The set of allowable value for the attribute is known as _____.
   e) In VB comment statements begin with _____
   f) Write the shortcut key to open the menu editor window.

SECTION-B

Write short notes on any **Five** of the following questions. **(5×2=10)**

2. What are weak and strong entities? How are they represented in E-R diagram?
3. What are Lossless join and lossy join decomposition?
4. List the advantages of Database Management System.
5. Identify difference between instance and schema. Give one example.
6. What is primary key?
7. Differentiate between Name and Caption property of a form.
8. Explain the important properties of textbox.
9. What is the use of property window?

P.T.O.

SECTION-C

Write short notes on any **Three** of the following questions **(3×3=9)**

10. Explain about data models.
11. Consider the following tables:

    Employee (Emp_no, Name, Emp_city)

    Company (Emp_no, Company_name, Salary)

    a) Write a SQL query to display Employee name and company name.

    b) Write a SQL query to display employee name, employee city, company name and salary of all the employees whose salary > 10000

    c) Write a query to display all the employees working in 'XYZ' company.
12. Write the rules for naming variables in VB.
13. What are the features of Visual Basic?
14. Write a VB program to find the sum of N numbers.

SECTION-D

Write short notes on any **Two** of the following questions. **(2×5=10)**

15. Explain various DML commands with syntax and suitable examples.
16. Explain all relational algebraic operations with suitable examples.
17. Write a VB program to find the factors of a given number.
18. Explain the operators used in VB.
