

0001880



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.