



K18U 1886

Reg. No. : .....

Name : .....

III Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)  
Examination, November 2018  
(2014 Admn. Onwards)  
**COMPLEMENTARY COURSE IN COMPUTER SCIENCE**  
**3C03CSC : Database Management Systems**

Time : 3 Hours

Max. Marks : 32

SECTION – A

1. **One** word answer : (6×0.5=3)
- a) The E-R model is expressed in terms of
  - b) A collection of conceptual tools for describing data, data relationships data semantics and constraints are known as \_\_\_\_\_
  - c) The set of allowable value for the attribute is known as \_\_\_\_\_
  - d) Data that provides information about the tables, views, constraints, stored procedures, etc. stored within the database is known as \_\_\_\_\_
  - e) \_\_\_\_\_ are the attributes of objects in VB.
  - f) Indexes should not be used on columns that contain a high number of \_\_\_\_\_ values.

SECTION – B

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

- 2. Distinguish between physical and logical data independence.
- 3. What is Functional Dependency ?
- 4. Draw a neat diagram of overall structure of Database system.
- 5. What is relational database ?

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- 6. What undesirable dependencies are avoided when a relation is in 3NF ?
- 7. Distinguish between option button and checkbox.
- 8. What is an array ? How will you declare an array in VB ?
- 9. What is meant by implicit and explicit declaration of variables in VB ?

SECTION – C

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

- 10. Explain about instances and schema, data abstraction.
- 11. Differentiate integrity constraints and Domain constraints.
- 12. Explain the need of normalization in DBMS.
- 13. Differentiate while and do... while loop. Demonstrate with an example.
- 14. Write a VB code to accept the age of a person and check whether he/she is eligible to vote.

SECTION – D

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

- 15. Explain E-R model in detail.
  - 16. Explain the roles of different database users.
  - 17. Explain all the decision making constructs available in VB.
  - 18. Explain Visual Basic IDE.
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