B.Sc. Part-II (Semester-III) Examination

COMPUTER APPLICATION (VOC.) (OLD)

(Visual Basic and RDBMS)

Time : Three Hours]   [Maximum Marks : 80

Note :— ALL questions are compulsory.

1. (A) Fill in the blanks (½ mark each) :   2

    (i) An _____ is an activity performed by user towards application.

    (ii) The _____ operators lets you combine two or more sets of conditional expressions.

    (iii) The number of tuples in relation called as _____.

    (iv) _____ is used to add one or more columns in a table.

  (B) Choose the correct alternative :   2

    (i) _____ property determines how the command button responds to ESC key.

      (a) Default   (b) Name

      (c) Caption   (d) Cancel

    (ii) The _____ helps you design menus for your application.

      (a) Menu Bar   (b) Tool Bar

      (c) Code Editor   (d) Menu Editor

    (iii) The number of entity types that participate in a relationship is called as _____.

      (a) Tuple   (b) Number

      (c) Counter   (d) Degree

    (iv) The command is used to change the column width of an existing table :

      (a) UPDATE   (b) SELECT

      (c) MODIFY   (d) ALTER

  (C) Answer in **ONE** sentence (1 mark each) :   4

    (i) What is the use of pointer tool ?

    (ii) What do you mean by nesting of loops ?

    (iii) What is normalization ?

    (iv) What is data type ?

2. (A) What is Visual Basic ? Explain its IDE in brief.   6

  (B) Explain the following :   6

    (i) Menu Bar

    (ii) Tool Bar.

OR

3. (A) Explain the following : 6

    (i) Project Window

    (ii) Property Window.

(B) Explain form window with any six properties. 6

4. (A) Explain command button controls with its basic properties. 6

(B) Explain the following control with example : 6

    (i) Line object

    (ii) Data control.

OR

5. (A) Explain the difference between Text Box Control and Label Control. 4

(B) Explain the difference between the following : 8

    (i) Check Box and Option Button

    (ii) Picture Box and Image Control.

6. Explain the following with suitable examples : 12

    (i) Variable declarations in VB

    (ii) Logical operators

    (iii) Conditional operators.

OR

7. (A) Explain the following with suitable example : 6

    (i) Nested If....Else statement

    (ii) Nested For....Loop

    (iii) GoTo statement

(B) Explain the select case statement with syntax and suitable example. 6

8. (A) Describe architecture of database system. 6

(B) Explain the following terms with example : 6

    (i) Entity

    (ii) Domain

    (iii) Attributes.

OR

9. (A) What are the advantages and disadvantages of Database Management System ? 6

(B) Explain 3NF with suitable example. 6

10. (A) Explain the data types in www.FirstRanker.com   www.FirstRanker.com

    (B) Explain the following commands with syntax and example :   6
        (i)   UPDATE
        (ii) DELETE
        (iii) DROP

OR

11. (A) Explain the following clause with syntax and suitable example :   6
        (i)   GROUP BY
        (ii) ORDER BY

    (B) Explain Commit and Rollback commands with their syntax and example.   6

12. (A) Explain the following functions with syntax and suitable example :   6
        (i)   FLOOR ( )
        (ii) SOUNDEX ( )
        (iii) TO_CHAR ( )

    (B) What is Join ? Explain equi-join and self-join with suitable example.   6

OR

13. (A) Explain the following group functions with syntax and example :   6
        (i)   COUNT ( )
        (ii) SUM ( )
        (iii) AVG ( )

    (B) What is data integrity ? Explain I/O constraint with example.   6