

**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 SQL. 6  
(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

