

**B.Sc. Part-II (Semester-III) Examination**  
**3S : COMPUTER APPLICATIONS (Vocational)**  
**(Visual Basic and RDBMS)**

Time : Three Hours]

[Maximum Marks : 80

**Note :—** All questions are compulsory.

1. (A) Fill in the blanks ( $\frac{1}{2}$  mark each) :

- (1) \_\_\_\_\_ clause of select statement can be used to order the records in particular order.
- (2) The SQL command \_\_\_\_\_ is used to convert string to upper case letter.
- (3) A \_\_\_\_\_ is a temporary storage area inside your program's memory that holds data.
- (4) \_\_\_\_\_ property specifies whether a command button used by the application system of some enterprise. 2

(B) Choose the correct alternative ( $\frac{1}{2}$  mark each) :

- (i) \_\_\_\_\_ property determines whether a control is displayed to the user.
 

(a) Hide	(b) Show	
(c) Visible	(d) Enabled	$\frac{1}{2}$
- (ii) IDE is \_\_\_\_\_.
 

(a) Independent Development Enterprise	(b) A development environment for machine language
(c) A software management tool	(d) Integrated Development Environment

 $\frac{1}{2}$
- (iii) \_\_\_\_\_ is a DCL command of SQL.
 

(a) CREATE TABLE	(b) DROP
(c) DELETE	(d) COMMIT

 $\frac{1}{2}$
- (iv) \_\_\_\_\_ is a data definition language command of SQL.
 

(a) INSERT	(b) SELECT
(c) ALTER	(d) COMMIT

 $\frac{1}{2}$

- (C) Answer in **one** sentence :
- (i) What is an entity ? 1
  - (ii) What is a tuple ? 1
  - (iii) What is an integrity constraint ? 1
  - (iv) Which property is needed to set to expand the image in the picture box control ? 1
2. (A) Explain any six components of Tool Box in Visual Basic. 6
- (B) Explain the following :
- (i) Form layout window
  - (ii) Property window. 6
- OR**
3. (A) What do you mean by event ? Explain event driven programming. 6
- (B) Explain New Project Window with example. 6
4. (A) Explain the following :
- (i) Text Box
  - (ii) Combo Box
  - (iii) List Box
  - (iv) Line Control. 8
- (B) Differentiate between option button control and check box control. 4
- OR**
5. (A) Explain any four common events of V.B. 8
- (B) Explain the difference between Text Box Control and Label Control. 4
6. (A) Explain the following with syntax and example :
- (i) Select Case
  - (ii) For Next
  - (iii) If-Then-Else. 6
- (B) What is meant by variable ? Explain the types of variables used in V.B. 6

**OR**

7. (A) Explain Select Case statement with suitable example. 6  
 (B) Write a VB program code to generate the following output :  
 1  
 1 2  
 1 2 3  
 1 2 3 4  
 1 2 3 4 5 6
8. (A) What is RDBMS ? Explain the advantages and disadvantages of RDBMS. 6  
 (B) Draw and explain the architecture of DBMS. 6
- OR**
9. (A) What is the process of normalization ? Explain 1 NF and 2 NF. 6  
 (B) Explain the following terms with example :  
 (i) Domain  
 (ii) Attribute  
 (iii) Entity. 6
10. (A) Explain COMMIT and ROLLBACK SQL commands with example. 6  
 (B) What is SQL ? Explain components of SQL. 6
- OR**
11. (A) Explain DCL commands with example. 6  
 (B) Explain the concept of views with example. 6
12. (A) What is group function ? Explain the group functions with suitable example. 6  
 (B) Explain the integrity constraints used in relational model. 6
- OR**
13. (A) What do you mean by Join ? Explain the types of Join with example. 6  
 (B) Explain the following functions with example :  
 (i) FLOOR  
 (ii) CEIL  
 (iii) SUBSTR. 6

