

**B.Sc. (Part—III) Semester—V Examination**  
**COMPUTER SCIENCE**  
**(RDBMS and Visual Basic)**

Time : Three Hours]

[Maximum Marks : 80

- Note** :— (1) All questions are compulsory.  
(2) Question No. 1 carries 8 marks and all other questions carry 12 marks each.  
(3) Assume suitable data wherever necessary.

1. (A) Fill in the blanks : 2
- (i) \_\_\_\_\_ clause of select statement can be used to order the records in particular order.
  - (ii) In a relation the values for an attribute or a column are drawn from a set of values called as \_\_\_\_\_ .
  - (iii) \_\_\_\_\_ property specifies whether a command button displays a text caption or a picture.
  - (iv) \_\_\_\_\_ statement is used to transfer control from one statement to another statement.
- (B) Choose the correct alternatives : 2
- (i) Which among the following is not a component of database system ?
    - (a) Data (b) Hardware
    - (c) Internal view (d) Software
  - (ii) Which is not DML command ?
    - (a) INSERT (b) UPDATE
    - (c) DELETE (d) ALTER
  - (iii) When the user clicks a button \_\_\_\_\_ is triggered.
    - (a) an event (b) a method
    - (c) a setting (d) a property
  - (iv) Which property determines whether a control is displayed to the user ?
    - (a) Hide (b) Show
    - (c) Visible (d) Enabled
- (C) Answer in **ONE** sentence each : 4
- (i) What is the use of drop table command ?
  - (ii) What is relation ?
  - (iii) What is the use of Inputbox ( ) function ?
  - (iv) What is an accelerator key ?
2. (A) Explain Architecture of database system with different three levels. 6
- (B) Explain Relational and Hierarchical model with example. 6
- OR**
3. (A) What is database ? Explain components of database system. 6
- (B) Explain the following :—
- (i) Data Independence
  - (ii) Data Dictionary. 6

4. (A) Explain reducing ER diagram to table with example. 6  
(B) Explain following keys :  
(i) Candidate Key  
(ii) Primary Key  
(iii) Foreign Key. 6

**OR**

5. (A) What is normalization ? Explain 3NF with example. 6  
(B) Explain Relation, Domain and Attribute with suitable example. 6
6. (A) What is view ? How view can be created and dropped ? Explain with example. 6  
(B) Explain following operators with example :  
(i) IN  
(ii) Like  
(iii) Between. 6

**OR**

7. (A) Explain various components of SQL statement. 6  
(B) Explain the following clauses with example :  
(i) ORDER BY  
(ii) GROUP BY  
(iii) HAVING. 6
8. (A) Explain the IDE components of Visual Basic. 6  
(B) Explain the following controls with basic properties :  
(i) Label  
(ii) Picture box. 6

**OR**

9. (A) What is event ? Explain event procedure with suitable example. 6  
(B) What is form ? Explain five properties associated with form. 6
10. (A) Explain Application Wizard for creating menus for your application. 6  
(B) Explain "Select case" statement with syntax and suitable example. 6

**OR**

11. (A) Explain menu editor properties. Also explain creation of menu bar using menu editor. 6  
(B) Explain the following with example :  
(i) Nested If ...else  
(ii) Do Loop. 6
12. (A) Explain MsgBox ( ) function with syntax, framed constant and example. 6  
(B) Write a program in VB using procedure to swap two Numbers. 6