

9. (a) Explain event driven programming. 6
 (b) Explain the following : 6
 (i) Tool bar
 (ii) Menu bar.
10. (a) Explain data types in Visual Basic. 6
 (b) Explain the following with suitable example : 6
 (i) Do-while loop
 (ii) For loop.

OR

11. (a) Write a VB program to generate the following pattern : 6
 1
 2 2
 3 3 3
 4 4 4 4
 5 5 5 5 5
- (b) What is a menu ? Write the steps for creating menus. 6
12. (a) Explain MsgBox() with example. 6
 (b) Explain the following functions with example : 6
 (i) Sqr ()
 (ii) Abs ()
 (iii) Fix ()
 (iv) Int ()

OR

13. (a) Explain the following : 6
 (i) Check box
 (ii) Option button.
- (b) Explain passing data by value and passing data by reference with suitable example. 6

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.

(3) Assume suitable data wherever necessary.

1. (A) Fill in the blanks : 2
 (i) To modify existing rows of the table _____ statement is used.
 (ii) Entities having primary key are called _____.
 (iii) If the data type is _____, the variable in VB may contain different kinds of data.
 (iv) In VB the expression, $314 * 5 =$ _____.
- (B) Choose the correct alternatives : 2
 (i) Each entity has _____.
 (a) Attributes
 (b) Records
 (c) Fields
 (d) Database
- (ii) One can display all columns of data in a table by following the SELECT command with _____.
 (a) +
 (b) *
 (c) —
 (d) ?

(iii) _____ is the default datatype for arguments in VB.

- (a) Single
- (b) Integer
- (c) Currency
- (d) Variant

(iv) _____ determine what type of data variable is going to hold.

- (a) Operator
- (b) Function
- (c) Datatype
- (d) Procedure

(C) Answer in **ONE** sentence :

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- (i) What is view ?
- (ii) DDL stands for ?
- (iii) What is a data type ?
- (iv) What is loop ?

2. (a) Explain the architecture of database system with suitable diagram. 6

(b) Explain the following : 6

- (i) Data Independency
- (ii) Data Dictionary.

OR

3. (a) Explain relational database model with suitable example. 6

(b) Explain the advantages of database system as compare to file based system. 6

4. (a) What is E-R diagram ? Draw an E-R diagram between customer and loan. 6

(b) What is normalization ? Explain 1NF with suitable example. 6

OR

5. (a) Explain functional dependency with suitable example. 6

(b) Explain the following : 6

- (i) Entity
- (ii) Relationship
- (iii) Domain.

6. (a) Explain different types of SQL statement. 6

(b) Explain the following command with suitable example : 6

- (i) UPDATE
- (ii) ALTER.

OR

7. (a) What is view ? Explain how it differ from table. 6

(b) Explain the following clause with example : 6

- (i) WHERE
- (ii) HAVING.

8. (a) What is the difference between image control and picture box control ? 6

(b) Explain the properties of following controls : 6

- (i) Text box
- (ii) Label control.

OR