

(i) Printed Pages : 3

Roll No.

(ii) Questions : 9 Sub. Code :

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B.A./B.Sc. (General) 5th Semester

(2125)

INFORMATION TECHNOLOGY

Paper-A Data Base System and VB .NET

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt FIVE questions in all by selecting ONE question from each Unit. Entire Question Number 9 is compulsory.

UNIT-I

1. Explain the usage of the following controls in VB.NET with the help of examples:

(a) Textbox

(b) Label

(c) Button

(d) Radio Button 3,3,3,4

2. (a) What is a Function Procedure in VB.NET? Write a Function Procedure in VB.NET to find factorial of a number.

(b) Differentiate between 'pass by value' and 'pass by reference' with the help of examples. 7,6

UNIT-II

3. (a) Explain the syntax and use of String functions in VB.NET. Give examples.
- (b) Write VB.NET code to implement Linear Search. 7,6
4. (a) Explain the core components of ADO.NET Object Model.
- (b) Write the steps to use DataGridView control in VB.NET to retrieve data from an Access Table 'student' having fields stu_id, name and marks. 7,6

UNIT-III

5. (a) Explain various approaches to Database Management.
- (b) What is Data Independence?
- (c) How are Null values handled in SQL? 7,3,3
6. (a) What is the use of Character Functions? Explain any four Character Functions with examples.
- (b) Explain the difference between Inner and Outer Join in SQL with the help of suitable examples. 7,6

UNIT-IV

7. (a) How is a Table created with various constraints applicable on a Table? Give examples.
- (b) Explain the various Iterative controls used in PL/SQL. Describe their usage with examples. 7,6

8. (a) How is a Cursor managed in PL/SQL? Explain Cursor Attributes.
- (b) Explain the use of Predefined Exceptions with the help of examples. 7,6

(Compulsory Question)

9. Write short answers:

- (i) How can Font of a control be changed?
- (ii) Name and explain the control and its main property which is used to display an image.
- (iii) How are Constants declared in VB.NET?
- (iv) What is RDBMS?
- (v) Explain the use of Having clause in SQL queries.
- (vi) Write any two features of PL/SQL.
- (vii) Name any two composite Data Types. 6×2+1