

END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER 2016

Paper Code: BCA-205

Subject: Front End Design Tools VB.Net

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q no.1 which is compulsory.
Select one question from each unit.

- Q1 Attempt **any ten** of the following:- (2.5x10=25)
- (a) What is the difference between a picture box and imagebox control?
 - (b) What is container control?
 - (c) What are the various components in IDE?
 - (d) What are advantages of having parent and child forms?
 - (e) Write short note on MessageBox.
 - (f) Explain the 3-tier computing Model.
 - (g) What is Data Adapter?
 - (h) Write a program to check whether given number is odd or even using console application.
 - (i) What are the different data types in VB.NET?
 - (j) Explain Garbage collector and its uses.

UNIT-I

- Q2 (a) What are the major components of the .NET framework? (6.5)
 (b) What are assemblies? How many types of Assembly exist? (6)
- Q3 (a) What are Namespaces? Describe atleast five types of namespaces used in the architecture? (6.5)
 (b) What is Memory Management in .NET? Describe its types. (6)

UNIT-II

- Q4 (a) What is array list? Explain with suitable example. (6.5)
 (b) Compare and contrast between VB and VB.NET in terms of their features and application. (6)
- Q5 (a) Explain Dynamic array? Explain with suitable example. (6.5)
 (b) What is Enumeration? Explain with example. (6)

UNIT-III

- Q6 (a) Write a program to show the inheritance supported in VB.NET. (6.5)
 (b) Explain the following MS-common controls:
 (i) Scroll Bar (ii) Timer (iii) Combobox (iv) Checkbox (v) Panel (vi) PictureBox (6)
- Q7 (a) Create a class called Employee with the data member's empno, ename, age, salary and experience of the following methods:
 (i) Calculation of salary (ii) Calculation of experience (iii) Display the detail about the employee (6.5)
 (b) Explain the events associated with the life cycle of a TextBox. (6)

UNIT-IV

- Q8 (a) What is Crystal Report? Write the steps to create a Crystal Report. (6.5)
 (b) Explain the architecture of ADDO object model. (6)
- Q9 (a) Write a program to the ADO.NET code to insert the records into the employee table containing the columns such as Emp_Id, Emp+Name and Salary. (6.5)
 (b) What is ADO.NET? Discuss the ADO.NET Object Model and its characteristics. (6)
