# END TERM EXAMINATION

### THIRD SEMESTER [BCA] DECEMBER 2016

| Paper Code: BCA-205 | Subject: *Front End Design Tools VB.Net* |
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| 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 namespacs 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)**

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