

END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER-2014

Paper Code: BCA205

Subject: Front End Design Tools VB.Net
(Batch: 2011 onwards)

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 role of CLR in .NET architecture?
- (b) Discuss code groups and permissions in CAS.
- (c) Differentiate between List and Combo Box.
- (d) Discuss exception handling in VB.NET.
- (e) Discuss various types of DATA sets.
- (f) What are constructors and what is its syntax and usage?
- (g) What is the significance of 3-tier computing model?
- (h) Differentiate between radio button and check box control.
- (i) Discuss important functions of array list.
- (j) Write any five string and math functions used in .NET programming.
- (k) What are the various components of IDE?

UNIT-I

- Q2 (a) Explain memory management issues – Garbage collector and collection process. (5)
- (b) What are the different types of assembly? (2.5)
- (c) Compare and contrast between VB, JAVA and .NET. (5)
- Q3 (a) Explain .NET Architecture with labeled diagram. (7.5)
- (b) Explain memory management issues in .NET. (2.5)
- (c) Discuss the concept of dynamic arrays. (2.5)

UNIT-II

- Q4 (a) Write an application to accept a number using input box and check whether it is PRIME or not. (2.5)
- (b) Explain the syntax of a conditional and looping statement each with example. (5)
- (c) Write an event procedure to find greatest of two numbers with the help of call by value and call by reference method. (5)
- Q5 (a) WAP to demonstrate the structured and unstructured exception handling. (2.5)
- (b) What are various data type conversion methods? Discuss any two conversion functions. (5)
- (c) What is the Array List? How is it different from array? Demonstrate the use of various functions of Array List with the help of an example. (5)

UNIT-III

- Q6 (a) Explain the concept of classes and implementation of inheritance in VB.NET. (5)
- (b) Discuss various access specifiers in .NET classes. (2.5)
- (c) WAP to demonstrate the concept of inheritance along with function overriding. (5)
- Q7 (a) Write steps to create Menu in .NET. (2.5)
- (b) Differentiate between MDI and SDI application. (5)
- (c) Discuss the Common Dialog Control and MS-Common Controls. (5)

UNIT-IV

- Q8 (a) Explain the data adaptor and data reader component classes using example. (5)
- (b) What is the difference between connected and disconnected database architecture? (2.5)
- (c) What are crystal reports and its usage? Discuss various sections of these reports. (5)
- Q9 (a) What is ADO.NET? Discuss its various components and object model along with its features. (5)
- (b) Write the crystal report accessibility code from a window form. (2.5)
- (c) Write the steps to bind the SQL server table data to Data Grid View Control in the form. (5)

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