END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER 2013 – JANUARY 2014

Paper Code: BCA-205   Subject: Front End Design Tools VB. Net
(Batch 2011 onwards)

Time : 3 Hours   Maximum Marks :75

Note: Attempt one question from each unit including Q.No.1 which is compulsory.

Q-1) Attempt any ten of the following:-   (2.5×10=25)

a) What is JIT?
b) What is Dynamic Array?
c) What are the various data types available in VB.NET?
d) What is the use of Garbage Collector?
e) What is an Aarray List?
f) What is a Module?
g) Explain Inheritance.
h) Differentiate Method Overriding and Method overloading?
i) What do you mean by Data Adapter?
j) What is Data Binding?
k) How exception handling is performed in Dot Net?
l) What is property explorer?

UNIT-I

Q-2)

a) Explain Dot Net Architecture and its various components (such as CLS, CTS, CLR, Foundation Class libraries etc.). How does it provide memory management?   (7.5)

b) Explain Assemblies and its use in the execution of program.   (5)

OR

Q-3)

a) What is Client Server model? Explain two tier and three tier model.   (7.5)

b) Explain Code Access Security.   (2.5)

c) Write down the features and advantages of Dot Net.   (2.5)

UNIT-II

Q-4)

a) Explain the inputbox( ) method and its all arguments in detail with example.   (4.5)

b) Why loop is used? Explain different types of loop structure available in VB.NET with their syntax and example.   (4)

c) Write a program that take two numbers as input in textboxes and these numbers define lower limit and upper limit respectively of a range. It should find all armstrong numbers in this range and display them in a listbox control.   (4)

OR

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Q-5)

a) Differentiate Call ByValue and Call ByRef while passing arguments in procedure calls. Explain optional arguments, positional arguments, named arguments. Give suitable example for each. (5)

b) Explain the Messagebox.show( ) method and its all arguments in detail with example. (5)

c) Explain Enumeration. Give suitable example. (2.5)

UNIT-III

Q-6)

a) Explain the use and working of OpenDialog, SaveDialog, ColorDialog, FontDialog and FolderbrowserDialog controls along with their properties. (7.5)

b) Define Abstract class? Explain its working and use. (2.5)

c) Differentiate Method overloading and Method Overriding. (2.5)

OR

Q-7)

a) Write a program that open and save .rtf file by using openDialog, saveDialog and RichTextBox control. Also use fontDialog and ColorDialog to chage font and color of content of .rtf file in RichTextBox. (5)

b) Write note on the following: (2.5×3=7.5)
1) Interface
2) Namespace and its use
3) Listview Control

UNIT-IV

Q-8)

a) Write note on the following: (2.5×2=5)
1) Publishing and Exporting Reports
2) Data Reader

b) Explain ADO.Net Architecture in detail. How the data is accessed from server Explorer? (7.5)

OR

Q-9)

a) Write a program that uses ADO.Net to connect to database, to add new record, to display current record, previous and next record, to delete record and to edit record. The table is as follows : Emp(Emp_id, emp_name, Emp_desig, Emp_dept) (5)

b) Write short note on the following: (2.5×3=7.5)
1) Crystal Reports
2) OLEDB
3) ADO Vs ADO.Net

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R.R.