

END TERM EXAMINATION

THIRD SEMESTER [BCA] NOV.-DEC. - 2019

Paper Code: BCA205

Subject: Front end Design Tools VB.NET

Time: 3 Hours

Maximum Marks: 75

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

Q1 Answer of the following (Any Ten):- (2.5x10=25)

1. Assemblies in .net
2. Code access security
3. Memory management
4. Namespaces
5. Exception handling
6. Constructor and destructors
7. Message box
8. Manifest
9. Scrollbars
10. CLR and CTS
11. Different data types of vb.net
12. Features of vb.net

UNIT I

- Q2. a) Explain the various components of .net architecture. (6)
b) What is Garbage collection with reference to vb.net? (6.5)

- Q3. a) What is a client server model? What are two tier and three tier models? (6)
b) Write a program to check whether a number is odd or even using console application. (6.5)

UNIT II

- Q4. a) What is an array list? Explain with the help of an example. (6)
b) Differentiate between vb and vb.net. (6.5)
- Q5. a) What are dynamic arrays? Explain with examples. (6)
b) What are enumerations? Explain with help of an example. (6.5)

UNIT III

- Q6. a) Create a base class employee. Create two functions input and display. Make two inherited classes waged and salaried employee. Again create two functions input and display to the waged and salaried employee classes. Use the concept of function overriding and also make an object of classes waged and salaried employee. Apply the concept of inheritance and function overriding. (6)
b) Write a program to print the Fibonacci series as windows console application. (6.5)
- Q7. Explain various controls
a) Radio button b) Timer c) tree view d) combo box (6)
b) Explain the working of open dialog, save dialog, color dialog with the help of an example. (6.5)

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UNIT IV

- Q8. a) Explain ADO.net architecture and their components in detail. (6)
b) Write short notes on data sets, connection, Adapter and command objects of ADO.net (6.5)
- Q9. a) What is a crystal report. Write down the steps of creating a crystal Report. (6)
b) Write a program in ADO.net code to show the records of employee table containing empno and empname and their salaries. Write the entire connectivity code. (6.5)

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