

(Please write your Exam Roll No.)

Exam Roll No. ....

# END TERM EXAMINATION

THIRD SEMESTER [BCA] NOVEMBER-DECEMBER 2017

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. Answer following: (2.5x10=25)

- What is exception handling?
- What is container control?
- What are namespaces?
- What are advantages of having parent and child forms?
- Write short note on MessageBox.
- Explain the 3-tier computing Model.
- What is Data Adapter?
- Write a program to check whether given number is odd or even using console application.
- What are the different data types in VB.Net?
- What is Code Access Security?

## Unit-I

- Q2. a) What are the major components of the .Net framework? (6.5)  
b) Differentiate between CLR, CTS & CLS ? (6)
- Q3. a) What is IDE? What are the various components in IDE? (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) What are the differences 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) Define the following. (6.5)  
i) Inheritance ii) Re usability iii) Overloading
- b) Explain the following controls: (6)  
i) TextBox ii) Timer iii) Combobox iv) Checkbox  
v) Label vi) PictureBox

[2]

- Q7. a) Create a class called Employee with the data member's empno, ename, age, salary and experience the following methods. (6.5)  
i) Calculation of salary ii) Calculation of experience  
iii) Display the detail about the employee.
- b) Write a program to print Fibonacci series. (6)

**Unit-IV**

- Q8. a) Write the code to insert the records into the employee table containing the columns such as Employee Id, Employee Name, Salary, Employee Designation, Employee Department. (6.5)
- b) Write short notes on the following: (6)  
i) DataSets ii) Data Adapter c) Data Binding
- Q9. a) Explain in detail the various components of ADO.Net. (6.5)
- b) Write steps for creating crystal report. (6)

\*\*\*\*\*