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)

a)   What is exception handling?

b)   What is container control?

c)   What are namespaces?

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)   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

P.T.O.

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)**

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