# BCA Fifth Semester Examination, Dec.-2018

SECOND PAPER

## Dot Net Technology

Paper Code:- 5621

**Time Allowed: Three Hours**                                                        **Maximum Marks.70**

*(1) No supplementary answer book will be given to any candidate. Hence the candidates should write the answers precisely in the main answer book only.*

*(2)All the parts of one question should be answered at one place in the answer book.*

*(***Attempt all six questions.)**

**Part I (Question No. 1& 2) is compulsory & Part II (Question No. 3, 4 , 5 & 6) has internal choice.**

### Part-I

1.  **Answer any 10 questions. Each question carries 1 mark.**                           **10x1= 10**
    **(Words limit up to 20 words each)**

    a)  What is Dot Net Framework ? Give a single line definition.

    b)  Write four main components of dot net framework.

    c)  What is the use of Microsoft Intermediate Language?

    d)  What is the purpose of Metadata?

    e)  What is the use of C# Programming Language ?

    f)  What are Events ? Discuss with the help of an example.

    g)  Does C# support Multiple Inheritance? Give one line justification.

    h)  How ASP Dot Net is related to C#?

    i)  What are Business Objects? Give any relevant example.

    j)  What is a Data Adapter ?

    k)  What is the use of Namespace?

    l)  Why is it important to debug a program ?

2. **Answer all the questions. Each question carries 5 marks.**                           **4x5 = 20**
   **(Words limit up to 50 words each)**

    a)  Explain the use of Common Language Runtime.

    b)  Differentiate between Page State and Session State with respect to ASP.Net.

    c)  Discuss two validation controls with respect to ASP.Net.

    d)  How ADO.Net is used to access data from a web page?

## Part-II
### Unit-I

**3.** Discuss in detail the architecture of Dot Net Framework. Also draw a neat labelled diagram. **10**

**OR**

  a) Discuss the importance of Common Language specification with the help of a
     suitable diagram. **5**
  b) Mention and write short note on any two Dot Net applications. **5**

### Unit-II

**4.** Write short notes on the following with respect to C# programming language :
  a) Boxing and Unboxing
  b) Categories of Data types **10**

**OR**

Discuss any five ASP .Net web controls with syntax and examples of each. **10**

### Unit-III

**5.** "Rich Web Controls are task specific controls." Justify this statement with the help of some
suitable examples. **10**

**OR**

Write an ASP.Net program to demonstrate the development and use of custom web control. **10**

### Unit-IV

**6.** Write short notes on the following:- (Any two) **5x2**
    a) Data Set
    b) Data Table
    c) Data View

**OR**

Write a program to demonstrate the use of ADO.Net for accessing data from a database. **10**

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