BCA Fifth Semester Examination, Dec. – 2019
SECOND PAPER
Dot Net Technology
Paper Code:- 42502

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 the goal of Dot Net?

   b) What is Common Intermediate Language (CIL)?

   c) What is Manifest?

   d) Write the importance of Namespace.

   e) What is garbage collector?

   f) What is the role of JIT compiler?

   g) What is Validation Control?

   h) Briefly define the concept of Page State and how is it different from Session State?

   i) What is OLEDB?

   j) What is the concept of Debugging?

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

   a) Draw a neat and labelled diagram of dot net framework.

   b) Explain the different stages of ASO.NET Page Life Cycle.

   c) Write ASP.NET code for showing the implementation of AdRotator control.

   d) What is ADO.NET Data Adapter? Discuss any two methods of Data Adapter.

Part-II
Unit-I

3. Write notes on the following with respect of DOT NET.   **5+5**
   (a) Common Language Runtime   (b) Common Language Specification

P.T.O.

OR

  (a) What are assemblies in DOT NET? Where are they stored?   **5**
  (b) Discuss some of the features of DOT NET.   **5**

Unit-II

4. Write a note on inheritance with respect to C# programming. Also discuss various types of inheritance in C# programming.   **10**

OR

Discuss the following with respect to web controls of ASP. NET with the help of suitable examples.   **5x2**
  (a) Any one input web control
  (b) Any one display control
  (c) Any one action control, and
  (d) Any one selection control
  (e) Any one databound control

Unit-III

5. "Rich web controls are built with multiple HTML elements and contain rich functionality". Justify this statement with the help of suitable examples.   **10**

OR

Write code for the following with respect to validation control: (any two)   **5+5**
  (a) Required Field Validator Control
  (b) Range Validator Control
  (c) Compare Validator Control

Unit-IV

6. Discus the following with respect to ADO quoting some suitable example for each.   **5x2**
  (a) Connection Object
  (b) Command Object
  (c) Recordset Object
  (d) Record Object
  (e) Field Object

OR

Write notes on the following: **5+5**
(a) Data Views
(b) SQL Managed Providers

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