BCACACN 302

Third Semester B.C.A. Degree Examination, December 2023/January 2024
(NEP – 2020)
(2022 – 23 Batch Onwards)
C# AND DOT NET FRAMEWORK
(DSCC)

Time : 2 Hours

Max. Marks : 60

Note : Answer **any six** questions from Part – **A** and **any one full** question from **each** Unit of Part – **B**.

PART – A

1. a) What is an HTML element ? Give example.   (6×2=12)

    b) What do you mean by Boxing/Unboxing ?

    c) List any four operators which cannot be overloaded.

    d) What is the significance of component tray ?

    e) Differentiate between TextBox and Label controls.

    f) Write the purpose of Dim and Redim keywords.

    g) What is FormView control ? List any two properties.

    h) What is Simple Binding ?

PART – B

Unit – I

2. a) Explain HTML table tags with example.

    b) Write the advantages and disadvantages of client side scripts.   (6+6)

3. a) List any six String Class methods in C# with their purpose.

    b) Explain while and for-each loops in C# with syntax example.   (6+6)

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Unit – II

4. a) What is interface ? Explain defining and implementing an interface with example.

   b) Explain binary operator overloading with example.   (6+6)

5. a) Explain server explorer, solution explorer and toolbox components of VBIDE.

   b) Explain exception handling mechanism in C# with syntax and example.   (6+6)

Unit – III

6. a) List and explain Visual Basic data types.

   b) Explain InputBox function.

   c) With example explain select case structure.   (6+3+3)

7. a) List and explain any five properties of VB.NET Form.

   b) Explain multiline, wordwrap and Passwordchar properties of Textbox.

   c) Explain adding and removing the items to/from a ComboBox with example.   (6+3+3)

Unit – IV

8. a) Explain the different ways of navigating through the data sets.

   b) Explain the following classes with properties :
      i) SqlConnection class
      ii) SqlCommand class
      iii) SqlDataAdapter class   (6+6)

9. a) Explain Range and Compare validation controls.

   b) List and explain any five properties of GridView web control.   (6+6)