

Reg. No.

--	--	--	--	--	--	--	--	--	--



**BCACACN 302**

**Third Semester B.C.A. Degree Examination, February/March 2023**  
**(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 in Part – B.

**PART – A**

**(6×2=12)**

1. a) What are paired and unpaired tags ?
- b) What are out parameters in C# methods ?
- c) Differentiate constant and readonly members of C# classes.
- d) List any four tools in tool box.
- e) Write the VB Code to create TextBox at run time.
- f) Write the purpose of Value and Step properties of ProgressBar.
- g) What is DataReader ?
- h) Write any two TextMode property values of Web TextBox control with their purpose.

**PART – B**

**Unit – I**

2. a) Explain any four formatting tags with example.
- b) Explain the purpose of remove(), replace(), equals(), split() methods of string class in C#.
- c) Explain Boxing and Unboxing in C#. **(4+4+4)**
3. a) Explain any two HTML Lists with example.
- b) List the advantages and disadvantages of client-side scripts.
- c) What are Parameter arrays in C# ? Explain with example. **(4+4+4)**

P.T.O.

**Unit – II**

4. a) With syntax and example how a class is defined in C# ?  
b) Explain Solution Explorer and Server Explorer of VB .NET IDE.  
c) Explain static and private constructors in C#. **(4+4+4)**
5. a) Explain multilevel inheritance with an example.  
b) Explain Properties Window and Component Tray VB .NET IDE.  
c) With example explain how to define operator overloading in C#. **(4+4+4)**

**Unit – III**

6. a) With syntax explain Select Case statement.  
b) Explain WindowState, Text, ControlBox, Enable properties of Windows Form.  
c) Explain ScrollBar Control with its unique properties. **(4+4+4)**
7. a) With syntax and example explain For Each loop in VB .NET.  
b) Explain PasswordChar, MaxLength, ReadOnly, TextAlign properties of TextBox control.  
c) Explain Insert, RemoveAt, Count, AddRange methods of ListBox Control. **(4+4+4)**

**Unit – IV**

8. a) Explain any four ADO .NET objects.  
b) Explain Compare Validator Control.  
c) Explain any four methods of GridView Control. **(4+4+4)**
  9. a) Explain any two navigation in Datasets.  
b) Explain any four public properties of web Button control.  
c) Explain ValidationSummary Control with its unique properties. **(4+4+4)**
-