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BCACAC 313

**Credit Based V Semester B.C.A. Degree Examination, April 2021
(Semester Scheme) (Common to All Batches)
WEB DEVELOPMENT IN .NET**

Time : 3 Hours

Max. Marks : 100

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

PART – A

(10×2=20)

1. a) Name the different types of list.
- b) Write the necessary HTML tags to display H_2SO_4 and $x^2 + y^2$.
- c) Write the purpose of any two attributes tag.
- d) How do you create canvas in HTML5 ? Give an example.
- e) Write any two characteristics of ASP.NET.
- f) List any four WebServer Controls.
- g) What is WSDL ?
- h) What is a thread ? Write the different thread states.
 - i) Differentiate value type and reference type.
 - j) Write the difference between boxing and unboxing.
- k) What is the use of 'this' keyword ?
 - l) What are static constructors ?

PART – B

Unit – I

2. a) Explain any four text formatting tags.
- b) Explain the different types of style sheets with example.
- c) List and explain the various structural elements used in HTML5.
- d) How tables are created in HTML ? Explain.

(4+6+5+5)

P.T.O.



3. a) What are forms ? Explain any four input type used to design a form in HTML file.
b) Explain how frames are created in HTML with the necessary tags.
c) Discuss drawing rectangle and arc in canvas. Explain with a example.
d) Explain any three CSS3 properties with suitable examples. **(5+4+5+6)**

Unit – II

4. a) Write the purpose and explain any two properties of the following controls :
i) TextBox ii) Button iii) CheckBox
b) Explain the following validators with example.
i) Required Field Validator ii) Regular Expression Validator
c) Explain the architecture of ASP.NET. **(9+6+5)**
5. a) Explain any four ADO.NET objects.
b) Explain : i) SqlDataSource ii) ObjectDataSource
c) Explain the purpose of any four web server controls. **(8+6+6)**

Unit – III

6. a) Explain the different types of deployment of projects.
b) Explain different states of ASP.NET.
c) Explain any two types of caching. **(8+6+6)**
7. a) How to use command line arguments ? Explain with example.
b) Explain different elements of web services.
c) List the different types operators in C#. Explain any four types. **(8+7+5)**

Unit – IV

8. a) With a suitable example, explain the different types of 'if' statements used in C#.
b) With an example explain invoking methods in C#.
c) What are delegates ? Explain Delegate Methods with example.
d) What is property ? Explain with example implementing a property. **(5+5+5+5)**
9. a) Explain do..while and foreach statements in C#, with example.
b) Explain the defining, extending and implementing interface.
c) Explain constructors with syntax and example.
d) Explain event handling with syntax and examples. **(5+5+5+5)**