

August 2021

ADVANCED WEB TECHNOLOGY

Time Allowed: 1.5 Hours

Full Marks: 70

Answer to Question No. 1 is compulsory and Answer any two questions from the rest.

1. Choose the correct answer from the given alternatives (any twenty): 2x20
- i) Choose the form in which Postback occur-
 - a) HTMLForms
 - b) Webforms
 - c) Winforms

 - ii) Web.config file is used-
 - a) Configures the time that the server-side codebehind module is called
 - b) To store the global information and variable definitions for the application
 - c) To configure the web server
 - d) To configure the web browser

 - iii) Which of the following object is not an ASP component?
 - a) LinkCounter
 - b) Counter
 - c) AdRotator
 - d) File Access

 - iv) The first event triggers in an aspx page is-
 - a) Page_Init()
 - b) Page_Load()
 - c) Page_click()

 - v) Difference between Response.Write() and Response.Output.Write().
 - a) Response.Output.Write() allows you to buffer output
 - b) Response.Output.Write() allows you to write formatted output
 - c) Response.Output.Write() allows you to flush output
 - d) Response.Output.Write() allows you to stream output

 - vi) Which of the following method must be overridden in a custom control?
 - a) The Paint() method
 - b) The Control_Build() method
 - c) The default constructor
 - d) The Render() method

 - vii) How do we create a FileSystemObject?
 - a) Server.CreateObject("Scripting.FileSystemObject")
 - b) Create("FileSystemObject")
 - c) Create Object:"Scripting.FileSystemObject"
 - d) Server.CreateObject("FileSystemObject")

 - viii) Which of the following tool is used to manage the GAC?
 - a) RegSvr.exe
 - b) GacUtil.exe
 - c) GacSvr32.exe
 - d) GacMgr.exe

- ix) What class does the ASP.NET Web Form class inherit from by default?
 - a) System.Web.UI.Page
 - b) System.Web.UI.Form
 - c) System.Web.GUI.Page
 - d) System.Web.Form

- x) We can manage states in asp.net application using-
 - a) Session Objects
 - b) Application Objects
 - c) Viewstate
 - d) All of the above

- xi) Attribute must be set on a validator control for the validation to work.
 - a) ControlToValidate
 - b) ControlToBind
 - c) ValidateControl
 - d) Validate

- xii) Caching type supported by ASP.Net
 - a) Output Caching
 - b) DataCaching
 - c) a and b
 - d) none of the above

- xiii) What is used to validate complex string patterns like an e-mail address?
 - a) Extended expressions
 - b) Basic expressions
 - c) Regular expressions
 - d) Irregular expressions

- xiv) File extension used for ASP.NET files-
 - a) .Web
 - b) .ASP
 - c) .ASPX
 - d) None of the above

- xv) An alternative way of displaying text on web page using-
 - a) asp:label
 - b) asp:listitem
 - c) asp:button

- xvi) Why is Global.asax is used?
 - a) Declare Global variables
 - b) Implement application and session level events
 - c) No use

- xvii) Which of the following is not a member of ADODB Command object?
 - a) ExecuteScalar
 - b) ExecuteStream
 - c) Open
 - d) ExecuteReader

- xviii) Which DLL translate XML to SQL in IIS?
 - a) SQLISAPI.dll
 - b) SQLXML.dll
 - c) LISXML.dll
 - d) SQLIIS.dll

- xix) Default Session data is stored in ASP.Net.
 - a) StateServer
 - b) Session Object
 - c) InProcess
 - d) all of the above
- xx) Default scripting language in ASP.
 - a) EcmaScript
 - b) VBScript
 - c) PERL
 - d) JavaScript
- xxi) How do you get information from a form that is submitted using the "post" method?
 - a) Request.QueryString
 - b) Request.Form
 - c) Response.write
 - d) Response.writeln
- xxii) Which object can help you maintain data across users?
 - a) Application object
 - b) Session object
 - c) Response object
 - d) Server object
- xxiii) Which of the following ASP.NET object encapsulates the state of the client?
 - a) Session object
 - b) Application object
 - c) Response object
 - d) Server object
- xxiv) Which of the following object is used along with application object in order to ensure that only one process accesses a variable at a time? <https://www.wbscteonline.com>
 - a) Synchronize
 - b) Synchronize()
 - c) ThreadLock
 - d) Lock()
- xxv) Which of the following control is used to validate that two fields are equal?
 - a) RegularExpressionValidator
 - b) CompareValidator
 - c) equals() method
 - d) RequiredFieldValidator

2. What is .NET Framework? What are the main components of .NET Framework? List the new features added in .NET Framework 4.0. What is MS-IL (Microsoft Intermediate Language)? What is Common Type System (CTS)? 3+3+3+3+3
3. What is the difference between VB and VB.Net? What is namespace? Which namespace are used for accessing the data? What is the use of New Keyword? What is jagged array in VB.Net? 3+3+3+3+3
4. With proper diagram explain the .net framework architecture. What are the advantages and disadvantages of using vb.net? What are the major components of the .net framework? Explain constructors and destructors in vb.net with proper example. 4+3+4+4
5. What is encapsulation? Describe an abstract class. Explain data provider and explain its components. Explain method overloading in vb.net. Explain exception handling in vb.net. 3+3+3+3+3

6. What do you mean by Component object model? State the difference between private assembly and shared memory? Explain com components in context of vb.net programming. 5+5+5
7. What are two important objects of ADO.Net? What is LINQ? What are the data providers in ADO.NET framework? What is Data view? What is Data Adapter? 3+3+3+3+3
8. a) Differentiate ASP & ASP.NET?
b) Write short note on IIS. 7+8
9. State the differences between the following (any two):
a) Static web page & Dynamic web page
b) HTML control & HTML server control
c) Range validator & Compare validator 7.5x2
10. Explain following controls (any two):
a) Group box
b) Menu
c) Tree View
d) Progress Bar 7+8
11. Write Short notes on the followings (any two):
a) CLR features
b) Data Bindings
c) Try-catch block in vb.net
d) Control Structure in vb.net
e) Data Adapter 7.5x2
-

<https://www.wbscteonline.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से