

Asp.Net short and MCQ Questions

1	What is the diff. between dataset and datareader?
2	What is web.config?
3	State advantage and disadvantage of cookies
4	What is a web service?
5	What is data binding?
6	Explain page directive?
7	what data type does rangevalidator control support
8	Why we use query string?
9	Explain significance of MSIL.
10	List different files created on new project creation.
11	Differentiate dataset and data reader.
12	What is use a of ispostback() method?
13	Write extension of web service file, master page, sitemap path file.
14	List out command class methods.
15	What is view state?
16	What is the used of customvalidator?
17	Define response object.
18	list out validation control
19	What is the use of sitemappath in asp.net?
20	How many types of cookies are available in asp.net?
21	define web services
22	Explain importance of compiled code.
23	Define namespace.
24	Explain the purpose of hiddenfield control
25	What is disconnected data access architecture of ado.net?
26	Justify "asp.net is a server-side technology".
27	What is in line code and code behind page?
28	What do you mean by view state? Explain how asp.net maintains it?
29	What is the purpose of app_data, app_themes folder?
30	What is an extension of skin file and web service file?
31	Explain soap.
32	What is the significance of causesvalidation propertyof button control?
33	What is the difference between inline code and codebehind page?
34	What is an event driven programming?
35	List out various types of files and directories in asp.net.
36	What is viewstate? which property is used to maintain viewstate and asp.net control
37	List out properties and methods of response object.
38	What is BCL?
39	How css is applied to the asp.net page?
40	(true or false) asp.net supports event driven programming. Justify it.
41	What is the significance of commandbuilder in ado.net?
42	What is the purpose of app_theme folder? How to apply theme to a particular page?

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MCQs - Unit 1: Introduction to Asp.Net

1. What is Web Programming?

- a) The process of creating static websites using HTML
- b) The process of creating dynamic content for websites and web applications
- c) The process of designing website layouts
- d) The process of debugging code errors in web applications

Answer: b) The process of creating dynamic content for websites and web applications

2. Why is it important to understand basic web terminology for web development?

- a) To increase web server speed
- b) To help developers communicate clearly and write effective code
- c) To make websites look more aesthetically pleasing
- d) To reduce the file size of websites

Answer: b) To help developers communicate clearly and write effective code

3. What does "dynamic content" refer to in web development?

- a) Content that is permanently fixed and doesn't change
- b) Content that changes based on user interaction or other factors
- c) Images and graphics only displayed on the homepage
- d) Content displayed only on the backend of the website

Answer: b) Content that changes based on user interaction or other factors

4. Which of the following is a fundamental concept in web development?

- a) Hardware components
- b) Basic terminology and communication
- c) File compression techniques
- d) Programming languages for mobile apps

Answer: b) Basic terminology and communication

5. What is one primary purpose of web programming?

- a) To increase the amount of data on the web

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- b) To create interactive and functional websites
- c) To make static websites with fixed content
- d) To manage web servers and hosting

Answer: b) To create interactive and functional websites

6. What is a Website?

- a) A single document on the web written in HTML
- b) A collection of related web pages accessed via a browser
- c) A software used to access and view web pages
- d) A protocol used to transfer data on the web

Answer: b) A collection of related web pages accessed via a browser

7. What does HTML stand for?

- a) HyperText Markup Language
- b) HyperText Media Language
- c) HyperText Management Language
- d) HyperTransfer Markup Language

Answer: a) HyperText Markup Language

8. Which of the following is the primary purpose of CSS (Cascading Style Sheets)?

- a) To structure web pages
- b) To transfer web data between client and server
- c) To style HTML elements such as colors, fonts, and layout
- d) To store data in a database

Answer: c) To style HTML elements such as colors, fonts, and layout

9. What programming language is primarily used for web interactivity?

- a) Python
- b) JavaScript
- c) SQL
- d) PHP

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Answer: b) JavaScript

10. What is a Browser?

- a) A protocol used to transfer web data
- b) A software to access and view websites
- c) A computer that stores web data
- d) A programming language for web development

Answer: b) A software to access and view websites

11. What is the Client-Server Model?

- a) A protocol used for transferring data on the web.
- b) A structure where the browser (client) requests data from a server.
- c) A method of securing data on the web.
- d) A database system used for web applications.

Answer: b) A structure where the browser (client) requests data from a server

12. What does URL stand for?

- a) Uniform Resource Locator
- b) Uniform Request Locator
- c) Unified Resource Locator
- d) Uniform Redirection Locator

Answer: a) Uniform Resource Locator

13. What is the purpose of a Web Server?

- a) To store data used by web applications
- b) To deliver web pages to clients
- c) To create interactive websites
- d) To manage databases

Answer: b) To deliver web pages to clients

14. What does the term "Front-end" refer to in web development?

- a) The server-side logic and databases of the website

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- b) The part of the website the user interacts with (HTML, CSS, JS)
- c) The protocols used for transferring web data
- d) The software used to access and view websites

Answer: b) The part of the website the user interacts with (HTML, CSS, JS)

15. What is a Database used for in web development?

- a) To store data used by web applications
- b) To style HTML elements
- c) To program interactivity on a website
- d) To transfer web data between client and server

Answer: a) To store data used by web applications

16. What is ASP.NET?

- a) A programming language for web development
- b) A web development framework developed by Microsoft
- c) A server used for hosting websites
- d) A content management system for websites

Answer: b) A web development framework developed by Microsoft

17. What is the purpose of the Common Language Runtime (CLR) in ASP.NET?

- a) To manage user interactions on the web page
- b) To execute the code in a platform-independent manner
- c) To handle memory management, security, and other services for running ASP.NET applications
- d) To store the application's data in a database

Answer: c) To handle memory management, security, and other services for running ASP.NET applications

18. Which programming languages can be used to write server-side code in ASP.NET?

- a) HTML and CSS
- b) JavaScript and PHP

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c) C# (C Sharp) and Visual Basic .NET (VB.NET)

d) Python and Ruby

Answer: c) C# (C Sharp) and Visual Basic .NET (VB.NET)

19. What is the main benefit of using Web Forms in ASP.NET?

a) It allows developers to build web applications using a visual drag-and-drop interface

b) It enables direct communication with the database

c) It improves the performance of the application

d) It is designed for building mobile applications

Answer: a) It allows developers to build web applications using a visual drag-and-drop interface

20. What is the Model-View-Controller (MVC) pattern in ASP.NET?

a) A framework for developing web pages without server-side code

b) An architectural pattern that separates the application logic into three components: model,

view, and controller

c) A method for handling client-side interactions only

d) A database structure used in web development

Answer: b) An architectural pattern that separates the application logic into three components: model, view, and controller

21. Which of the following is a feature of ASP.NET Core?

a) It is only available for Windows operating systems

b) It is an open-source and cross-platform framework

c) It does not support modern web development practices

d) It is specifically designed for small web applications

Answer: b) It is an open-source and cross-platform framework

22. How does ASP.NET handle server-side programming?

a) The code runs on the client's browser

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- b) The code runs on the web server and generates dynamic HTML pages
- c) The code runs on a database server
- d) The code is static and doesn't change after deployment

Answer: b) The code runs on the web server and generates dynamic HTML pages

23. What is ASP.NET Core primarily known for?

- a) Being a closed-source framework
- b) Providing better performance, modular architecture, and support for modern web development practices
- c) Limiting support to only Windows OS
- d) Being used for building mobile apps

Answer: b) Providing better performance, modular architecture, and support for modern web

development practices

24. Which component of ASP.NET MVC handles user input and coordinates the model and view?

- a) Model
- b) View
- c) Controller
- d) Database

Answer: c) Controller

25. Which of the following is NOT a feature of ASP.NET Web Forms?

- a) Drag-and-drop interface for building web applications
- b) Server-side code association with controls like buttons and textboxes
- c) MVC-based architecture for handling requests
- d) Pre-built set of controls for easy user interface development

Answer: c) MVC-based architecture for handling requests

26. In ASP.NET, when a request is made for a page, what happens if the class for the

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page is not present?

- A) The page class is loaded directly from the database.
- B) ASP.NET skips the page life cycle and serves a default response.
- C) ASP.NET checks the ASPX page and code-behind, generates a combined page class, compiles it, and then creates the page instance.
- D) The page is returned as a static HTML page without any dynamic content.

Answer:

C) ASP.NET checks the ASPX page and code-behind, generates a combined page class, compiles it, and then creates the page instance.

27. Which of the following is the correct sequence of the phases during the ASP.NET page life cycle?

- A) Page Request → Page Start → Page Load → Page Initialization → Validation
- B) Page Request → Page Initialization → Page Start → Page Load → Validation
- C) Page Request → Page Start → Page Initialization → Page Load → Validation
- D) Page Request → Page Load → Page Start → Validation → Page Initialization

Answer:

C) Page Request → Page Start → Page Initialization → Page Load → Validation

28. Which of the following correctly describes the events that occur during the rendering phase of the ASP.NET page life cycle?

- A) The event handlers for PostBack are called, the view state is saved, and the Render() method is called to output to the OutputStream of the Response property.
- B) The Render() method is called before the view state is saved and PostBack event handlers are invoked.
- C) During rendering, the Unload() method is triggered to dispose of the page and clear resources.
- D) The view state is saved after the Unload() method is triggered, and event handlers are not

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invoked.

Answer:

A) The event handlers for PostBack are called, the view state is saved, and the Render() method is called to output to the OutputStream of the Response property.

29. Which of the following protocols is NOT typically associated with web services?

- A) UDDI (Universal Discovery and Description Integration)
- B) WSDL (Web Services Description Language)
- C) SOAP (Simple Object Access Protocol)
- D) FTP (File Transfer Protocol)

Answer:

D) FTP (File Transfer Protocol)

30. Which of the following properties of the <asp:TextBox> control is used to specify the maximum number of characters allowed to be entered?

- A) TextMode
- B) MaxLength
- C) Rows
- D) AutoPostBack

Answer:

B) MaxLength

31. Which of the following properties of the <asp:Button> control specifies the text displayed on the button?

- A) CauseValidation
- B) Text
- C) PostBackUrl
- D) ImageUrl

Answer:

B) Text

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32. Which of the following properties of used to set check state of the control either true or false.

- A) BackColor
- B) Checked
- C) Text
- D) Visible

Answer:

- B) Checked

33. Which of the following properties of the <asp:ImageMap> control is used to define the clickable regions or "hotspots" on an image?

- A) HotSpotMode
- B) HotSpots
- C) Navigate
- D) PostBack

Answer:

- B) HotSpots

34. Which of the following properties of the <asp:RadioButton> control ensures that only one option can be selected from a group of radio buttons?

- A) Checked
- B) GroupName
- C) Text
- D) Visible

Answer:

- B) GroupName

35. Which of the following statements about PostBack and IsPostBack in ASP.NET is true?

- A. A PostBack occurs when the webpage is loaded for the first time.

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- B. The IsPostBack property is true the first time the page is loaded.
- C. A PostBack sends the entire page to the server for processing and then reloads it.
- D. The IsPostBack property is used to prevent form submission on a webpage.

Answer

- C. A PostBack sends the entire page to the server for processing and then reloads it.

36. What is the full form of MSIL?

- A. Many Intermediate Language
- B. Microsoft Intermediate Language
- C. Microsoft Intermediate Long
- D. Microsoft Internal Language

Answer

- B. Microsoft Intermediate Language

37. .Net framework consists

- A. MSIL B. CLR
- C. FCL D. All of these

38. The code which is run under CLR known as _____

- A. Manage Code C. Garbage Code B. Unmanage Code D. None of these

Answer A. Manage Code

39. The Data about data is known as _____

- A. Metadata B. MSIL C. Assembly D. Manifest

Answer A. Metadata

40. _____ is known as heart of .net framework.

- A. MSIL B. CTS C. CLS D. CLR

Answer D. CLR

41. Which control is used to bind multiple values.

- A. Textbox B. Label C. Button D. GridView

Answer D. GridView

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42. What is the purpose of a Theme in ASP.NET?

- A) To define database relationships
- B) To handle user authentication
- C) To decide the look and feel of the website
- D) To manage server-side code

Answer: C) to decide the look and feel of the website

43. Where are themes stored in an ASP.NET application?

- A) App_Code folder
- B) App_Data folder
- C) App_Themes folder
- D) Styles folder

Answer: C) App_Themes folder

44. Which of the following is NOT a method to apply a theme in ASP.NET?

- A) Page Level
- B) Coding Level
- C) Session Level
- D) Global Level

Answer: C) Session Level

45. What is the correct syntax to apply a theme at the page level?

- A) <% Page Style="Summer" %>
- B) <%@ Page Theme="Summer" %>
- C) <% Theme="Summer" %>
- D) <@ Theme="Summer" Page %>

Answer: B) <%@ Page Theme="Summer" %>

46. At what point in the page lifecycle should a theme be set programmatically (Coding Level)?

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- A) Page_Load
- B) Page_Init
- C) Page_PreInit
- D) Page_Render

Answer: C) Page_PreInit

47. Which of the following code snippets sets the theme programmatically?

- A) Page.Theme = "Summer" inside Page_Load
- B) Page.Theme = "Summer" inside Page_PreInit
- C) <pages theme="Summer" /> in Page_Load
- D) Theme = "Summer" in the page constructor

Answer: B) Page.Theme = "Summer" inside Page_PreInit

48. How do you apply a theme globally in ASP.NET?

- A) Set Theme in the master page
- B) Add theme attribute inside <pages> element of web.config
- C) Use Page.Theme in every page
- D) Set Theme property in App_Code

Answer: B) Add theme attribute inside <pages> element of web.config

49. Which of the following is not an advantage of using Themes in ASP.NET?

- A) Centralized control of styling
- B) Encourages reusability
- C) Better database performance
- D) Easier to switch visual styles

Answer: C) Better database performance

50. What is the main purpose of using CSS in web development?

- A) To write server-side logic
- B) To define styles for HTML elements
- C) To manage databases

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D) To secure user input

Answer: B) To define styles for HTML elements

51. What is the benefit of separating HTML content from its style using CSS?

A) Slower loading time

B) Increased complexity

C) Faster accessibility and reduced repetition

D) Increased server load

Answer: C) Faster accessibility and reduced repetition

52. Which of the following is not a valid way to apply CSS?

A) Inline CSS

B) External CSS

C) Server-side CSS

D) Internal CSS

Answer: C) Server-side CSS

53. How is External CSS applied in an ASP.NET web form?

A) Using <style> tag in the <body>

B) By including a .css file via <link> in the <head> section

C) Writing styles directly inside the HTML elements

D) Using a style.css file in the <footer>

Answer: B) By including a .css file via <link> in the <head> section

54. Which HTML tag is used for Internal CSS?

A) <css>

B) <script>

C) <style>

D) <design>

Answer: C) <style>

55. Where is the internal CSS placed in an HTML or ASP.NET page?

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- A) In the <footer> section
- B) Inside the <form> tag
- C) In the <head> section
- D) Inside the <div> tag

Answer: C) In the <head> section

56. Which type of CSS is best suited for applying styles to a single HTML element?

- A) External CSS
- B) Internal CSS
- C) Inline CSS
- D) Global CSS

Answer: C) Inline CSS

57. What is the correct syntax for inline CSS?

- A) <p class="style: red;">Text</p>
- B) <p css="color: red;">Text</p>
- C) <p style="color: red;">Text</p>
- D) <style="color: red;"><p>Text</p></style>

Answer: C) <p style="color: red;">Text</p>

58. Which CSS method is most reusable across multiple pages?

- A) Inline CSS
- B) Internal CSS
- C) External CSS
- D) None of the above

Answer: C) External CSS

59. In the external CSS example, what does the following code do?

```
body {  
    background-color: #CCCC00;  
}
```

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- A) Sets the font size to 18px
- B) Changes background color of the body
- C) Adds a border to all paragraphs
- D) Sets the body text color to red

Answer: B) Changes background color of the body

60. What is a Master Page in ASP.NET?

- A) A page used to handle form validation
- B) A page used to define the layout and structure for multiple content pages
- C) A page used to manage server configurations
- D) A page used to create databases

Answer: B) A page used to define the layout and structure for multiple content pages

61. 2. What is the file extension of a Master Page in ASP.NET?

- A) .aspx
- B) .vb
- C) .master
- D) .html

Answer: C) .master

62. Which directive is used in a Master Page file?

- A) @Page
- B) @Form
- C) @Master
- D) @Content

Answer: C) @Master

63. Which control is used in a Master Page to define editable regions?

- A) <asp:Panel>
- B) <asp:TextBox>
- C) <asp:ContentPlaceHolder>

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D) <asp:Placeholder>

Answer: C) <asp:ContentPlaceholder>

64. What attribute is used in a Content Page to bind it to a Master Page?

- A) Master
- B) MasterBinding
- C) MasterPage
- D) MasterPageFile

Answer: D) MasterPageFile

65. What is the correct syntax to bind a content page to a master page?

- A) <%@ Page Master="MasterPage.master" %>
- B) <%@ Page MasterPageFile="~/MasterPage.master" %>
- C) <%@ Page BindMaster="MasterPage.master" %>
- D) <%@ MasterPageFile="~/MasterPage.master" %>

Answer: B) <%@ Page MasterPageFile="~/MasterPage.master" %>

66. In a Master Page, which placeholder is typically placed in the <head> section?

- A) MainContent
- B) ContentPlaceHolder1
- C) head
- D) PageBody

Answer: C) head

67. Which of the following is NOT an advantage of using a Master Page?

- A) Code Reuse
- B) Layout Consistency
- C) Separation of Concerns
- D) Faster Database Queries

Answer: D) Faster Database Queries

68. What happens when you update the layout in a Master Page?

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- A) It affects only one page
- B) It crashes the entire website
- C) The layout is updated across all content pages using it
- D) Nothing happens until all content pages are manually changed

Answer: C) The layout is updated across all content pages using it

69. Which tag is used in a content page to insert content into a placeholder?

- A) <asp:Content>
- B) <asp:Placeholder>
- C) <asp:ContentPlaceholder>
- D) <asp:Panel>

Answer: A) <asp:Content>

70. What is the main purpose of ASP.NET Login controls?

- A) To design complex layouts
- B) To simplify user authentication and account management
- C) To manage server-side databases
- D) To handle data encryption

Answer: B) To simplify user authentication and account management

71. Which built-in database is used by default with ASP.NET Login Controls?

- A) USERDB.mdf
- B) LOGINDB.mdf
- C) AUTHDB.mdf
- D) ASPNETDB.mdf

Answer: D) ASPNETDB.mdf

72. What is the role of the <asp:Login> control?

- A) It sends password recovery emails
- B) It allows users to register
- C) It displays a login form with username, password, and remember me options

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D) It displays user-specific content

Answer: C) It displays a login form with username, password, and remember me options

73. Which property of the <asp:Login> control defines the page to redirect after successful login?

A) LoginRedirectUrl

B) TargetPage

C) DestinationPageUrl

D) SuccessUrl

Answer: C) DestinationPageUrl

74. The Authenticate event in the Login control is triggered:

A) After logout

B) On page load

C) When writing custom logic to validate credentials

D) When a user changes their password

Answer: C) When writing custom logic to validate credentials

75. Which event in PasswordRecovery allows customizing the email before it's sent?

A) OnSendEmail

B) EmailSending

C) SendingMail

D) MailPreparing

Answer: C) SendingMail

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MCQs - Unit 2: Database Access and Client Server Communication

1. Which component of ADO.NET provides a bridge between a DataSet and the database?

- A. SqlDataReader
- B. SqlCommand
- C. SqlDataAdapter
- D. SqlConnection

Answer: C. SqlDataAdapter

2. In Connected Architecture, which ADO.NET class is used to read data in a forward-only, read-only manner?

- A. SqlDataAdapter
- B. SqlDataReader
- C. DataSet
- D. DataTable

Answer: B. SqlDataReader

3. Which property of the SqlConnection object stores the name of the database to which you need to connect?

- A. ConnectionString
- B. Database
- C. State
- D. ConnectionTimeout

Answer: B. Database

4. Which method of the SqlCommand object executes a SELECT query and returns the result

set as a DataReader?

- A. ExecuteNonQuery
- B. ExecuteScalar
- C. ExecuteReader

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D. Fill

Answer: C. ExecuteReader

5. What does the HasRows property of a SqlDataReader indicate?

- A. Number of rows in a table
- B. Whether the result set has any rows
- C. The number of columns
- D. Whether connection is open

Answer: B. Whether the result set has any rows

6. Which state management technique stores data in a hidden field on the page?

- A. ViewState
- B. Hidden Field
- C. Cookies
- D. QueryString

Answer: B. Hidden Field

7. Which type of cookie is deleted when the browser is closed?

- A. Persistent Cookie
- B. Non-Persistent Cookie
- C. Secure Cookie
- D. Temporary Cookie

Answer: B. Non-Persistent Cookie

8. Which server-side state management technique stores user-specific data for the duration of a user's session?

- A. Application State
- B. Session State
- C. ViewState
- D. QueryString

Answer: B. Session State

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9. Which method of the Application object prevents simultaneous access for writes?

- A. Lock()
- B. UnLock()
- C. Close()
- D. End()

Answer: A. Lock()

10. In ADO.NET, which architecture allows data manipulation without a live database connection?

- A. Connected Architecture
- B. Disconnected Architecture
- C. Client-Server Architecture
- D. Three-Tier Architecture

Answer: B. Disconnected Architecture

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MCQs - Unit 3: Advance ASP.NET

1. What is the primary purpose of the Web.config file in ASP.NET applications?

- A. To store website HTML
- B. To manage a website's configuration settings
- C. To store CSS styles
- D. To hold user session data

Answer: B. To manage a website's configuration settings

2. In which format is the Web.config file written?

- A. JSON
- B. YAML
- C. XML
- D. Plain Text

Answer: C. XML

3. Which ASP.NET control is used to display breadcrumb-style navigation?

- A. <asp:Navigation>
- B. <asp:SiteMapPath>
- C. <asp:PathControl>
- D. <asp:Menu>

Answer: B. <asp:SiteMapPath>

4. What file format is used to define the structure for a SiteMapPath control?

- A. .config
- B. .xml
- C. .sitemap
- D. .map

Answer: C. .sitemap

5. Which property of the SiteMapPath control sets the style for the root node display text?

- A. CurrentNodeStyle

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- B. NodeStyle
- C. RootNodeStyle
- D. PathSeperator

Answer: C. RootNodeStyle

6. Which protocol is commonly used by Web Services for communication?

- A. FTP
- B. SOAP
- C. SMTP
- D. SNMP

Answer: B. SOAP

7. Which file extension is used for web services in ASP.NET?

- A. .websvc
- B. .asmx
- C. .svc
- D. .service

Answer: B. .asmx

8. Which attribute is used to declare a method as a web service method in ASP.NET?

- A. [WebService]
- B. [ServiceMethod]
- C. <WebMethod>
- D. <Service>

Answer: C. <WebMethod>

9. Which technology describes Web Services and how to access them?

- A. XML
- B. WSDL
- C. SOAP
- D. UDDI

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Answer: B. WSDL

10. In Web Services, what is the default reference name given when adding a web reference to an ASP.NET application?

- A. localservice
- B. default
- C. localhost
- D. myservice

Answer: C. localhost