

Which of the following enable you to share same content among multiple content pages in a web site?(soap ans= b ache)

- a. Master Pages(ANS:A)
- b. User controls
- c. Layouts
- d. Custom Controls

What does the © Import directive do?

- Q a. Defines page-specific attributes used by the ASP.NET page parser and compiler
0 b. Explicitly imports an ASP.NET master page
c. Explicitly imports a namespace into a page or user control
0 d. Defines control-specific attributes used by the ASP.NET page parser and compiler
Ans:b

Which statements are applicable to MultiView control?

- 1.MultiView control enables you to hide and display different areas of a page
- 2.MultiView is useful when you need to create a tabbed page
- 3.MultiView control contains one or more View controls
- 4.You can render multiple view controls at any given time

3&4

1&4

2&3&4

1&2&3 (Ans)

Which all statements are true about OnClientClick property?

- 1.It is applicable to CheckBox control, RadioButton controls
- 2.It is applicable to Button, LinkButton & ImageButton controls
- 3.It executes a Javascript at the client side on click of the control
- 4.It executes a server-side script on click of the control

2&3 (Ans)

1&3&4

2&4

1&4

Which are the different values that TextMode property of a TextBox control can have?

- 1.ReadOnly
- 2.SingleLine
- 3.MultiLine
- 4.AutoFill
- 5.Password

2&4

1&4

2&3&5 (Ans)

1&2&5

Which control enables you to update a portion of page without updating the entire page?

ScriptManager control
UpdatePanel control (Ans)
UpdateClient control
Update control

How do you create a persistent cookie?

By using the CookieProtection attribute of the Role Manager
By using the CreateCookie attribute of the Role Manager
By using the PersistentCookie attribute of the Role Manager
By using the CreatePersistentCookie attribute of the Role Manager (ANS)

Which statements are applicable to Web services?

- 1.Web services are built on DCOM
- 2.The data transfer is XML based
- 3.The communication protocol most often used for Web services is SOAP
- 4.The information is passed back & forth through TCP/IP
- 5.The information is passed back & forth through HTTP

1&3&4
1&2&4
2&3
2&3&5 (Ans)
1&4&5

What does the following code snippet do?

```
<configuration>  
<system.web>  
<roleManager enabled="true" />  
<authentication mode="Forms" />  
</system.web>  
</configuration>
```

It enables AuthorizationStoreRoleProvider (Ans)
It enables WindowsTokenRoleProvider
It enables SqlRoleProvider
It enables ActiveDirectoryRoleProvider

```
using System;  
namespace BasicServer  
{  
    public class BasicRServer : MarshalByRefObject  
    {  
        public string GetServerResponse()  
        {  
            return "Greetings";  
        }  
    }  
}
```

Remoting Server Object (Ans)
Remoting Client Object
Web Server Object

Web Client Object

```
public class Sample
{
    [WebMethod]
    public long CalculateAmount(int itemQty)
    {
        long totalAmount = itemQty * 150;

        MessageBox.Show(totalAmount.ToString());
    }
}
```

1. It is an example of a web method of a web service
2. It is an example of a web method of an aspx page
3. It will generate a compile time error
4. It will generate a runtime time error

1&3&4
2&4
1&3 (Ans)
1&2&3

1. What enables clients to interact with UDDI directories & Web services

- a. WSDL
- b. UDDI
- c. XML
- d. SOAP

(ANS: D)

2. What is the significance of ObjectDataSourceDataSource control?

- a. Represents data retrieved from a SQL relational database
- b. Represents data retrieved from a Microsoft Access database
- c. Represents data retrieved from an XML document
- d. Represents data retrieved from a business object

(ANS: D)

3. How can you retrieve the value of Accept-Language header?

- a. By calling the GetCultures method of the CultureInfo class

- b. By using the settings in web.config
- c. By using the InstantiateData method of the ITemplate interface
- d. By using the Request.UserLanguages property

(ANS : D)

4. What does the following code snippet do?

```
<configuration>  
<system.web>  
<authentication mode= "Windows" l>  
<roleManager enabled= "true" defaultProvider= "MyRoleProvider" >  
<providers>  
<add  
name= "MyRoleProvider"  
type= "System.Web.Security.WindowsTokenRoleProvider" l>  
</providers>  
</roleManager>  
</system.web>  
</configuration>
```

- a. The configuration file configures the AuthorizationStoreRoleProvider as the default provider
- b. The configuration file configures the SqlRoleProviders the default provider
- c. The configuration file configures the WindowsTokenRoleProvider as the default provider (ANS:C)
- d. The configuration file configures the ActiveDirectoryRoleProvider as the default provider

5. Which of the following statements are true about Skip navigation link? (Check all that apply)

- a. All navigation controls automatically render skip navigation link (ANS:A,C,D)
- b. Only SiteMapPath control renders skip navigation link

- c. The skip navigation link is read by a screen reader, but it is not displayed in a normal browser(ANS:A,C,D)
- d. The skip navigation link enables users of screen readers to skip the repetitive reading of links(ANS:A,C,D)

6. How can you prevent a skin from being applied to a particular control?

- a. By setting DisableTheming property to false
- b. By setting EnableTheming property to false (ANS: B)
- c. By setting DisableTheming property to true
- d. By setting EnableTheming property to true

7. What does the TargetControlID property of the DragPanel extender control contain?

- a. The ID of the panel control that the user clicks to drag the child control
- b. The ID of the control that the user clicks to drag the Panel control
- c. It contains the ID of the Panel control to drag(ANS:C)
- d. It contains the ID of the Panel control on which the other control will be dragged

8. Can you access a Web Service from a standard ASP page?

- a. Yes, by adding reference to the web service in the ASP application (ANS:A)
- b. No, web services cannot be accessed from ASP pages
- c. Yes, by discovering the web service
- d. Yes, by using the SOAP toolkit

9. Which of the following standard ASP.NET Databound controls are derived from BaseDataList class?

(Check all that apply)

- a. ListBox
- b. DataList (ANS:B,D)
- c. DropDownList
- d. DataGrid(ANS:B,D)

10. Which of following method in the server object is used to get the last exception that has occurred on the server.

- a. GetException
- b. GetLastError (ANS:B)
- c. GetLastException
- d. GetError

11. _____ is a numerical label assigned to each device like a computer, a printer etc. participating in a

computer network that uses the Internet Protocol for communication.

- a. XML
- b. URL
- c. HTML
- d. IP Address (ANS:D)

12. The _____ property is used to specify which resource files are loaded for the page.

- a. UICulture
- b. Globalize
- c. Localize
- d. Culture

(ANS:A)

13. What are the advantages of partial classes? (Check all that apply)

- a. When working with automatically generated source, code can be added to the class without having to recreate the source file (ANS:A,C)
- b. When multiple versions of assembly are required

- c. When working on large projects, spreading a class over separate files allows multiple programmers to work on it simultaneously(ANS:A,C)
- d. When multiple deployments are required

14. How does DataReader object work? (Check all that apply)

- a. You get a DataReader by calling the ExecuteReader() method of a Command object (ANS:A,D)
- b. You get a DataReader by calling the DataReader() method of a Command object
- c. The DataReader represents the entire collection of data
- d. The DataReader represents a single row of data at a time(ANS:A,D)

15. How do you automatically detect a user's culture?

- a. By checking the registry settings
- b. By checking the ini file
- c. Automatic detection of user's culture is not possible
- d. By checking the browser settings (ANS:D)

16. What does the following code snippet denote?

`<%@ Page Language="C#" Trace ="True"%>`

- a. It updates page level tracing
- b. It enables application level tracing
- c. It enables page level tracing (ANS:C)
- d. It updates application level tracing

17. What are the implications of inheriting the code -behind page from a Page class in an ASP.NET application? (Check all that apply)

- a. Inheriting from the Page class gives the code -behind page access to the HTML in the web page
- b. Inheriting from the Page class provides a framework for handling application configuration issues
- c. Inheriting from the page class gives the code behind page access to the ASP.NET intrinsic objects,

such as Request and Response. (ANS:C,D)

d. Inheriting from the page class provides a framework for handling events for controls within the ASP.NET page(ANS:C,D)

18. How do you separate ASP.NET code from the user interface?

- a. Using ASP.NET web pages
- b. Using Custom Controls
- c. Using User Controls
- d. Using Code-Behind forms(ANS:D)

19. Which of the following property gets or sets a value that indicates whether the contents of an UpdatePanel should be enclosed in an HTML <div> or tag?

- a. ContentTemplateContainer (ANS:A)
- b. IsInPartialRendering
- c. RenderMode
- d. ChildrenAsTriggers

20. Which of the following event is raised after the start stage is complete and before the initialization stage begins in a page life cycle?

- a. PreInit (ANS:A)
- b. PreLoad
- c. InitComplete
- d. Init

21. Which facts about Query Strings should you know? (Check all that apply)

- a. Query strings are appended to the end of the page URL (ANS:A,C)
- b. Query strings are not displayed to the end-user
- c. Query strings can easily be tampered with; hence sensitive information should not be passed (ANS:A,C)

d. Query strings are most secure way of passing information

22. is a network protocol used to deliver virtually all files and other data, collectively called resources, on the World Wide Web.

- a. LDAP
- b. HTTP (ANS:B)
- c. TCP/IP
- d. UDP
- e. PPP

23. With respect to view state, why dynamically added controls must be added to the ASP.NET web page, on both the initial visit as well as all subsequent postbacks?

- a. Because the Viewstate persists controlstates of all the controls across postback.
- b. Because the controls are created during run time.
- c. Because the viewstate only persists changed control state across postbacks, and not the actual controls themselves. (ANS:C)
- d. Because the controls are created during design time.

24. Which of the following controls can be used to submit form data to the server? (check all that apply)

- a. LinkButton (ANS:A,C,E)
- b. CheckBox
- c. Button (ANS:A,C,E)
- d. Image
- e. ImageButton (ANS:A,C,E)

25. Which of the following are the different ways to grant access to a given resource in ASP.NET? (Check all that apply)

- a. Data authorization
- b. URL authorization (ANS:B,D)

- c. Application authorization
- d. File authorization(ANS:B,D)

26. What are the advantages of using a Control state? (Check all that apply)

- a. No client resources required
- b. Custom adapters can be written to control how and where control -state data is stored
- c. Control state is more reliable as it cannot be turned off(ANS:C,D)
- d. No server resources are required(ANS:C,D)

27. What is AJAX built from?

- a. JavaScript. (ANS A)
- b. COM
- c. ServerScript
- d.DOM

28. What are the differences between a user control & a page? (Check all that apply)

- a. The file name extension for the user control is .ascx(ANS: A,B,D,E)
- b. The user controls cannot run as stand-alone file(ANS: A,B,D,E)
- c. The user control contains an @ Page directive that defines the page in which it is embedded
- d. The user control contains an @ Control directive that defines configuration and other properties.(ANS: A,B,D,E)
- e. The user control does not have html, body, or form elements in it. These elements must be in the hosting page(ANS: A,B,D,E)

29. What does the following directive do in a user control?

<%@ OutputCache Duration="240" VaryByParam="None" %A>

- a. If you include the following directive at the top of a user control file, a version of

the control is stored in the output cache for 240 seconds(ANS:A)

b. If you include the following directive at the top of a user control file, a version of the entire page is stored in the output cache for 240 seconds

c. if you include the following directive at the top of a user control file, a version of the control is stored in the output cache after 240 seconds

d. if you include the following directive at the top of a user control file, the output cache is cleared for 240 seconds

30. Which of the following are the different types of authentication mechanisms that ASP.NET framework supports? (Check all that apply)

a. NET Passport Authentication(ANS:A,B,C)

b. Windows Authentication (ANS:A,B,C)

c. Forms Authentication (ANS:A,B,C)

d. Identity Authentication

31. In a fully rendered control, which of the following class is used to write the HTML content to the browser?

a. TextWriter

b. TextHtml Writer

c. HtmlWriter

d. HtmlTextWriter(ANS:D)

32. How is ASP.NET different from ASP? (Check all that apply)

a. ASP.NET is Object oriented(ANS:A,B)

b. Scripts can be written in VBScript in ASP.NET(ANS:A,B)(if option do not match then raise the question)

c. ASP.NET does not support VBScript

d. ASP.NET is Procedure oriented

33. What is the primary performance improvement in case of Precompiling a site in place?

- a. Pages do not have to be compiled for the first request(ANS:A)
- b. Memory management is handled better
- c. Exception handling is reinforced
- d. Garbage collection is handled better

34. Which of the following statement is true about the SqlCommandBuilder class?

- a. It is a modified version of SqlDataAdapter class
- b. It checks the context & automatically open a connection
- c. It takes a SqlDataAdapter that has a Select command & generates Update, Insert, Delete commands automatically (ANS C)
- d. It automatically generates a Select command from a SqlDataAdapter

35. How does ASP.NET react when a page is requested by the user? (Check all that apply)

- a. ASP.NET determines whether the page needs to be parsed and compiled(ANS:A,D)
- b. ASP.NET directly displays the page
- c. ASP.NET automatically compiles the page
- d. ASP.NET determines whether a cached version of the page can be sent in response without running the page(ANS:A,D)

36. Which of the following statements are true about Directives? (Check all that apply)

- a. Directives are used primarily to provide the compiler with the information it needs to compile the page (ANS:A,B,D)
- b. A directive ends with a %> (ANS:A,B,D)
- c. Directives are used to directly compile an ASP.NET page
- d. A directive begins with a <% (ANS:A,B,D)

37. Which of the following control enables you to display different contents to different users depending on their authentication status?

- a. LoginStatus control
- b. Login control
- c. LoginView control(ANS:C)
- d. LoginName control

38. Which of the following statements are true about App_LocalResources folder? (Check all that apply)

- a. All the resource files to be associated with a page must be added to App_LocalResources folder(ANS:A,B)
- b. App_LocalResources folder is created in the same folder as the page you want to localize(ANS:A,B)
- c. The application config file must contain details of the App_LocalResources folder
- d. App_LocalResources folder must contain the application config file

39. What is a Neutral culture?

- a. When you provide the culture name but no country/region code(ANS:A)
- b. When you provide country name & culture name as US
- c. When you provide a country/region code but no culture name
- d. When you do not specify either the country/region code or the culture name

40. How can you explicitly abort a previous asynchronous postback?

- a. By using PageRequestManagerabortAsyncPostBack() method
- b. By using PageRequestManagerabortPostBack() method(ANS:B)
- C. By using PageRequestManagerabortPreviousPostBack() method

d. By using `PageRequestManager.AbortPreviousAsyncPostBack()` method

41. What do the settings in the following web.config do?

```
<configuration>
```

```
<system.web>
```

```
<roleManager
```

```
enabled="true"
```

```
cacheRolesInCookie="true"
```

```
createPersistentCookie="true" />
```

```
</system.web>
```

```
</configuration>
```

- a. The settings enable role verification
- b. The settings enable caching roles in a database
- c. The settings enable user roles
- d. The settings enable caching roles in a browser cookie(ANS:D)

42. Which of the following method flushes the output buffer, and then closes the Listeners?

- a. Trace.Flush
- b. Trace.Write
- c. Trace.Close(ANS:C)
- d. Trace.AutoFlush

43. Which of the following enable you to share same content among multiple content pages in a website?

- a. Master Pages(ANS:A)
- b. User controls
- c. Layouts

d. Custom Controls

44. Which of the following are the different types of controls that you can use in ASP.NET Web pages?
(Check all that apply)

- a. ActiveX OCX controls
- b. Validation controls(ANS:B,E)
- c. HTML Server controls
- d. User controls
- e. Web Server controls(ANS:B,E)

53. What are the implications of inheriting the code behind page from a Page class in ASP.NET application ?

1. Inheriting the page class gives the code behind page access to the HTML elements in the webpage.
2. Inheriting the page class gives the code behind page access to the ASP.NET intrinsic objects , such a Request and Response
3. Inheriting the Page class provides the framework for handling events for controls within the ASP.NET page
4. Inheriting the Page class provides the framework for handling application configuration issues.

Select:

a.2,4 b.1,2,3 c.1,3,4 d.2,3

ans: d.2,3

1st.pdf -> word

1.Which all are non-generic collections from list?

1.ArrayLists 2.Dictionaryes 3.Lists 4.Stack 5.hashtable

Ans: 1&5

2. INTO statement in the SELECT clause will

- a. Creates a new table and inserts the resulting rows from the query into it .(ANS)
- b. Sort query result by one or more columns
- c. Calc the summary value for each group
- d. Specifies a search condition for the group by column

3. Which statements are true about Indexing about Large Object data types?

- 1.Can be a index key column only if a primary key is mentioned
- 2.Cannot be an index key column.
- 3. Can participate as nonkey columns in a clustered index except for image,ntext and text.
- 4.Can participate as nonkey columns in a non clustered index except for image,ntext and text.
- 5.Can participate if part of a computed column expression

ANS: 2,4& 5

4. What is the significance of System.WebServices.Protocols.Namespace?

- a.It contains the classes needed to configure a Web Service.
- b.It contains the classes needed to describe a Web Service.
- c.It consists of classes used to define the protocols that enable message transmission over HTTP between ASP.NET Web Services and ASP.NET Web Service clients (ANS)
- d. It consists of classes that enable web service to customers to locate available Web Services.

5. What does the following code denote?

```
EnumWeekday{Mon=1,Tue,Wed,Thu,Fri,Sat=10,Sun}
```

```
dayStr=Enum.GetName(typeof(Weekday),Weekday.Thu);
```

- a. Conversion of string to enum types.
- b. Conversion of enum types to integer.
- c. Conversion of enum types to string.(ANS)
- d. Conversion of integer types to enum.

6. Which of the following can implement an interface?

1.Date 2.Class 3.Enum 4.Structure

Select one:

a.3&4 b.1&3&4 c.1&2 d.2&4(ANS)

7. What is a Web Server?

a. A server application that runs on the web.

b. A network application that listens for HTTP requests & responds to the requests by sending data to the client which is usually a web server.(ANS)

c. A network application that connects multiple servers.

d. A server application that runs on the client.

8. Which all collections can be implemented using generics?

1. Arrays 2.Dictionaryes 3.Lists 4.Stacks

a. 1&2 b.1&3&4 c.2&3&4(ANS) d.2&3

9. How can you prevent a skin from being applied to a particular control ?

a. By Setting EnableTheming Property to false.(ANS)

b. By Setting DisableTheming Property to false.

c. By Setting DisableTheming Property to true.

d. By SettingEnableTheming Property to true.

10. What happens if SCHEMABINDING option is used in CREATE FUNCTION statement ?

1. The user defined function cannot be deleted unless the database is dropped

2. The user defined function cannot be modified unless the database is dropped

3. The database objects that the function references cannot be altered or dropped unless the Function is dropped first.

4. The database objects that the function references cannot be altered or dropped unless the Schema binding of the function is removed.

Select one:

a. 1&3 b.2&2&3 c.3&4 (ANS) d.2&4

11. Which statements are true about return types of CLR scalar valued functions?

1. The type returned from the scalar function can be any of the scalar data types supported by SQL server except varchar, char, rowversion, text, ntext,image, timestamp, table or cursor.

2. 1. The type returned from the scalar function should be from the following list varchar, char, rowversion, text, ntext,image, timestamp, table or cursor.

3. Scalar valued functions must ensure a match between the SQL server datatype and the return datatype of the implementation method

4. Scalar valued functions must ensure that the return type is a recordset.

Select one

a.2&4 b.1&2&4 c.1&3(ANS) d.3&4

12. What are the basic steps to use a user control ?

1. Include a user control in the ASP.Net page using the register directive

2. Upload the user control in the IIS root.

3. Insert the user control like a server control.

4. Set properties of the user control

Select one:

a.1&2 b.1&3&4 (ANS) c.3&4 d.2&4

13. _____ is the process of customizing your application for a given culture and locale

Select one:

a.Customization b.Culturalization c.Globalisation d.Localization(ANS)

14. For which all conditions you will go for partitioning a table?

1. Table contains large amounts of data that are used in different ways.

2. Database contains large amount of tables

3.Queries and updates are not performing as intended due to large data

4. if the table has many columns

Select one:

a.3&4 b.2&3&4 c.1&3(ANS) d.1&4

15. What all expressions are used to create a computed column?

1.subquery 2.non computed column 3.constant 4.function

Select one:

a.2&3 b.2&3&4(ANS) c.1&2&3 d.1&4

16. Which statements are true about Self Join?

1. Self-join should be used when you create a result set that joins records from two tables

2. Self-join should be used when you create a result set that joins records in a table with records in the same table

3. To list a table two times in the same query you must provide a table alias for at least one instance of the table name.

4. The table alias helps the query processor determine which rows should be selected from the right table and which from the left version of the table.

5. The table alias helps the query processor determine whether columns should present data from the right or left version of the table.

Select one:

a.3&4 b.3&5 c.1&2&4 d.2&3&5(ANS) d.1&2&5

17. Which of the following is the root of the .NET type hierarchy?

a.System.Type b.System.Object(ANS) c.system.base d.system.parent

18. Which of the statements are true for read only fields?

1. Read only fields cannot be changed during program execution

2. Read only fields have to be declared at the namespace level.

3. Read only fields are initialized during runtime

4. Read only fields can be read as many times as needed.

Choose:

a.2&4 b.1&3&4(ANS) c.1&4 d.2&3

19. Which of the following statements are correct?

1. Instance member of a class can be accessed Only through the object of that class.
2. A class can contain only instance data and instance member function
3. All objects created from a class will occupy equal number of bytes in memory.
4. A class is a blueprint or a template according to which objects are created.

Select one:

a.2&3 b.1&3&(ans) c.1&4 d.1&2&3

20. What are your observations on the following CSS code?

```
P{color:red;text-align:center;}
```

1. CSS declarations always end with a semicolon.
2. CSS declarations always begin and end with curly brackets
3. Declaration groups end with a semicolon
4. Declaration groups are surrounded by curly brackets.

Select one:

a.2&3&4 b.1&2&3 c.1&4(ans) d.2&4

21. Identify the statements that are applicable to the literal control

1. Literal control does not support CSS class.
2. Literal control does not support CSS class(Backcolor)
3. Contents in a literal control are contained in a tag.
4. Contents in a literal control are not contained in a tag.

Choose:

a.2&4 b.1&2&4(ans) c.1&3&4 d.1&3

22. What does the following example denote?

```
var myAge=25;
```

1. A constant is declared

2. A variable is declared

3. A constant is initialized

4. A variable is initialized

a. 3&4 b.1&2&3 c.2&4(ans) d.1&3

23. What does AuthorizationStoreRoleProvider do ?

1. Enables you to use Microsoft Windows groups to represent role info

2. Enables you to use the Authorization Manager to role information in an XML file .Active Directory , or Active Directory Application Mode(ans)

3. Enables you to store role information a Microsoft SQL Server database

4. Enables you to use Active Directory to represent role information.

24.How does the ROWCOUNT_BIG function work , identify all statements applicable

1. Returns the total no of rows in the table

2. Returns the total no of rows affected by the last statement executed

3. The returntype of ROWCOUNT_BIG is bigint

4.The returntype of ROWCOUNT_BIG is int

Choose:

a.1&2&3 b.2&3 (ans) c.3&4 d.1&3&4

25. Identify deterministic functions from the list.

1.ABS 2.GETDATE 3.DATEADD 4.CURRENT_TIMESTAMP 5.ISNULL

Choose:

a.2&3&5 b.2&3&4 c.1&3&4 d.1&2&3 e.1&3&5(ans)

26. How do you convert an existing aspx page with 2 drop down list boxes to become AJAX

Compliant?

1.By rewriting the page to implement AJAX

2. By wrapping the controls in a Script Manager control.

3. By wrapping the controls in a Update Panel control.

4. By adding Script Manager control to the page

Choose:

a.3&4 (abs) b.2&3&4 c.1&2&3 d.1&3

27.Which statements are true about primary XML index?

1. It is a shredded and persistent representation of XML BLOBs in the xml data type columns

2. For each XML binary large object(BLOB) in the column, the index creates several rows of data.

3. For each XML binary large object(BLOB) in the row, the index creates several columns of data.

4. The number of rows in the object is approximately equal to the number of nodes in the XML binary large object.

5. The number of columns in the object is approximately equal to the number of nodes in the XML binary large object.

a. 2&5 b.1&2&3&5 c.1&2&4(ans) d.3&4 e.1&3&5

28. Which of the following statements are correct ?

1. C# allows a function to have arguments with default values.

2. C# allows a function to have variable number of arguments

3. Omitting the return value type in method results into an exception.

4. params is used to specify the syntax of a function with variable no of arguments

Select:

a.3&4 b.1&2&3 c.2&4(ans) d.1&3

29. How do you call base class members from a derived class?

1. By declaring them as private.

2. By declaring them as public.

3. By declaring them as protected

4. By declaring them as static

Choose:

a. 3&4 b.2&3(ans) c.1&4 d.1&2

30. What does the following code denote?

```
List <patient> patients = new List <patient>
```

```
{
```

```
New Patient {Doctor="Michael",Name="George"}
```

```
New Patient {Doctor="Simpson",Name="Katy"}
```

```
New Patient {Doctor="Michael",Name="Sara"}
```

```
};
```

```
var patientsandDoctors = from doctor in hospitalStaff join patient in patients on doctor.name equals  
patient.Doctor select new{Doctor=doctor.name, Patient=patient.name}
```

1.The following code is an example of Database query.

2.The following code is an example of LINQ query.

3. The following code shows the syntax for ordering data.

4. The following code shows the syntax for grouping data.

5. The following code shows the syntax for joining data.

Choose:

a.1&2 b.2&4 c.2&5(ans) d.1&2&3 e.1&3&4&5

31. Which attribute of the @Register directive indicates the namespace you want to associate with the user control for the current page?

Select: a.src(ans) b.Cntrl c.TagName d.TagPrefix

32. Which event is raised after the start stage is complete and before the initialization stage begins in a page life cycle?

a. InitComplete b.PreInit(ans) c.PreLoad d.Init

33. Identify the difference between Inner Joins and Outer Joins

1.Inner joins can be specified in the FROM clause only.

2. Inner join can be specified in either the FROM or the WHERE clauses .

3. Outer joins can be specified in the FROM clause only.

4. Outer join can be specified in either the FROM or the WHERE clauses .

Select: a.2&4 b.&3&4 c.3&4 d.2&3(ans)

34. Which namespace has to be included in the code if you want to use DataSets and DataReaders?

a.System.DataSource b.System.XML c.System.Data(ans) d.syste.web

35. Which statements are true about Extended stored procedures ?

1. They are inherited from another user defined stored procedure

2.They are DLLs developed in the programming languages like c that an instance of Microsoft SQL server can dynamically load and run.

3. They run directly in the address space of an instance of SQL server

4. They are programmed using the SQL server extended stored procedure API

Select: a.2&4 b.1&3 c.1&2&4 d.2&3&4(ans)

36. What is the significance of the INSTEAD OF argument of the CREATE TRIGGER statement ?

1. Specifies that the DML trigger is executed instead of the triggering SQL statements.

2. It overrides the actions of the triggering statements

3. It can be specified for DDL or logon triggers.

4. It cannot be specified for DDL or logon triggers.

Choose: a.1&2&4 b.3&4 c.1&2&3(ans) d.1&4.

37. Which all permission types are applicable to functions?

1.SELECT 2.INSERT 3.UPDATE 4.DELETE 5.EXECUTE

Ans: 1&5

38. What are the different types of controls you can use in ASP.Net webpages?

1.ActiveX OCX controls 2.HTML Server controls 3.Web Server controls 4.Validation Controls

5.User controls

a.1,2,4,5 b.1,3,5 c.1,4,5 d.2,3,4,5 (ans) e.2,3,4

39. How does ODBC specify the characteristics of a Cursor?

1.Setting Cursor Types 2. Setting Cursor Attributes 3.Setting Cursor Behavior 4. Setting Cursor Elements
select: a.1,3 b.3,4 c.1,2,3(ans) d.2,4

40. What are the different types of buttons that can be used in HTML forms?

1.Submit buttons 2.Control buttons 3.Reset buttons 4.Push buttons

a.1,4 b.1,3,4(ans) c.1,2,3 d.2,3

41. Which all statements are true about the <blockquote> tag?

1. It defines a long quotation

2. It defines a paragraph quotation

3. Browsers inserts white space before and after a blockquote statement.

4. Browsers insert margins for the blockquote element

Choose: a.1,3,4 (ans) b.1,2,3 c.2,4 d.3,4

42. Which control lets you display a progress indicator while an UpdatePanel is updating its content ?

a.UpdatePanel Control b.Updatestatus control c.ScriptManager control
d.UpdateProgressControl(ans)

43. For which attributes of columns are clustered indexes not advisable?

1. Columns are unique or contain distinct values
2. Columns change frequently
3. Columns are accessed sequentially
4. When there are wide keys

a.1,3,4 b.1,3 c.2,3 d.2,4(ans)

44. Which all statements are applicable to System catalogs?

1. Provide a set of views that show metadata that describes the object in an instance of SQL Server
2. Provide a set of stored procedures that show metadata that describes the objects in an instance of SQL server
3. Provide a mechanism for dynamic applications to determine the structure and attributes of the objects in any database that they connect.
4. Provide a mechanism for dynamic applications to analyze data contained in a particular table

Of the database

a.1,3(ans) b.1,2,3 c.3,4 d.2,4

45. In what ways are entities like objects?

1. Entities have a known type
2. Entities have properties and these properties can hold scalar values
3. Entity properties can hold references to other entities
4. Each entity has a distinct identity
5. Entities have primary keys that uniquely identify the entity

a. 1,3,4 b.2,5 c.1,3,4,5 d.1,2,4,5 e.1,2,3,4(ans)

46. The space required for structure variables is allocated on stack

a.True(ans) b.False

47. Which statements are true about unit type?

- 1. Unit type can hold 32 bits of data
- 2. Unit type can hold 16 bits of data
- 3. unit type can hold data from -2147483648 to 2147483647
- 4. unit type can hold data from 0 to 4294967295

Select: a.1,4 (ans) b.3,4 c.2,3 d.1,2,3

48. What is the significance of Document Type Definition(DTD)?

- 1. It is set of markup declarations that define a document type
- 2. Its syntax declares precisely which elements and references may appear where in the document
- 3. It describes exactly the programming logic used for each element in the document
- 4. It declares entities which may be used in the HTML document
- 5. It declares what contents and attributes are for each element

a.1,2,4 b.1,2,3,4 c.3,5 d.1,2,4,5 (ans) e.2,3,4,5

49. How can the execution plans of queries on partitioned tables and indexes be examined?

- 1. By using the TRANSACT-SQL SET SHOWPLAN XML
- 2. By using the TRANSACT-SQL SET STATISTICS XML
- 3. By using the TRANSACT-SQL SET PARTITION XML
- 4. By using the TRANSACT-SQL SET INDEX XML

a.2,3 b.3,4 c.1,4 d.1,2(ans)

50. What is referred to as specific culture?

- a. If you provide either a language code or a region/country code
- b. If you provide only a country/region code but not a language code.
- c. If you provide both a language code and a country/region code.(ANS)
- d. If you provide only a language code but no country/region code.

51. What happens if you specify the encryption option in CREATE FUNCTION statement?

- 1. The SQL statements used to define the function are encrypted.

- 2. The statements are encrypted into a .NET assembly
- 3. The statements are encrypted in the syscomments table
- 4. The statements are encrypted in the master table.

Select one:

a.2,4 b.1,3 (ans) c.2,3,4 d.1,2

52. What are the advantages of using EXECUTE AS clause?

- 1.The execution becomes faster
- 2. You can control the which user account the Database Engine uses to validate permissions on any objects that are referenced by the module.
- 3. It provides additional flexibility and control in managing permissions across the object chain that exists between user-defined modules and the object referenced by those modules.
- 4. Users of the module only need permissions to execute the module itself, explicit permissions on the referenced objects are not required.
- 5. Users of the module need explicit permissions on the referenced objects thereby making it more secure

Select one:

a.1,2,4 b.3,4,5 c.1,2,4,5 d.1,3,5 e.2,3,4 (ans)

53. What are the implications of inheriting the code behind page from a Page class in ASP.NET application ?

- 1. Inheriting the page class gives the code behind page access to the HTML elements in the webpage.
- 2. Inheriting the page class gives the code behind page access to the ASP.NET intrinsic objects , such a Request and Response
- 3. Inheriting the Page class provides the framework for handling events for controls within the ASP.NET page
- 4. Inheriting the Page class provides the framework for handling application configuration issues.

Select:

a.2,4 b.1,2,3 c.1,3,4 d.2,3(ans)

54. Why are ASP.NET applications slightly slower on the first load?

Select one:

- a. Because on first load ASP.NET files are converted to native executables that are recognized by the operating system and then executed.
- b. Because .NET loads the entire application in memory.
- c. Because .NET framework execution is slower compared to ASP
- d. Because on first load ASP.NET files are compiled if necessary into .NET page classes and then executed.(Ans)

55. public T field

Public void TestSub()

{

Ti=Field +1;

}

}

Class MyProgram

{

Static void Main(string args[])

{

Generic <int> gen=new Generic<int>();

Gen.TestSub();

}

}

Select one:

- a. Program will generate runtime exception
- b. Addition will produce result 1
- c. Compiler will report an error : operator is not defined for types and int (Ans)
- d. Result of addition is system dependant

56. Which of these are correct ways to declare a delegate for calling the function func() defined in the sample class given below

Class Sample

```
{
```

```
Public int func(int l,single j)
```

```
{
```

```
/*Add code here*/
```

```
}
```

```
}
```

Select one:

- a. delegate void(int l,single j)
- b. delegate d(int l,single j)
- c. delegate int d(int l,single j)(ans)
- d. delegate void d(int,single)

1.Which of the controls in asp.net can be used to display text in a page?(check all that apply)

a. listbox

b. label

c. literal

d. checkboxlist

Ans - Label,literal

2.which of the following is cleared when the server is restarted?

a.local variables

b.cookies

c.application variables

d.session variables

Ans- c

3.what attributes does the @ register contain?(check all that apply)

a.antrl

b.tagprefix

c.src

d.tagname

Ans-b,c,d

4.whenever a browser makes a request for a web page,the browser sends _____ header.

a.accept-language

5.which of the following are the different types of authentication mechanism that asp.net frame work supports?

a. identity authentication

b. .net passport authentication

c. windows authentication

d. forms authentication

Ans-b,c,d

6.which of the following two properties of a page class have an effect on localization?(check all that apply)

a.localize

b.globalize

c.uiculture

d.culture

Ans-c,d

7.how do you convert an HTML element on the page to a HTML server control?

a.by adding an attribute control="servercontrol" in the page

b. by adding an attribute runat="client" in the page

c.HTML elements cannot be converted to HTML server controls

d.by adding an attribute runat="server" in the page

Ans-d

8.What does the following code denote?

```
String username=System.Security.Principle.WindowsIdentity.GetCurrent().Name;
```

- a.It denotes how to authenticate a user
- b. It denotes how to enable authorization of a user
- c. It denotes how to programmatically read the identity of the impersonated user
- d. It denotes how to programmatically configure the impersonated user

Ans-c

9.What is the significance of the System.Web.Services.Protocols.namespace?

- a.It contains the classes needed to configure a Web Service
- b.It consists of the classes used to define the protocols that enable message transmission over HTTP between ASP.NET Web Services and ASP.NET Web Service clients
- c.It contains of the classes that enable Web Service consumers to locate available Web Services
- d.It contains the classes needed to describe a Web Service

Ans-b

10.Which of the following activities can happen during the Initialization stage of the page life cycle?(check all that apply)

- a..each control's UniqueID property is set
- b.a master page and the themes are applied to the page
- c.post back data is loaded
- d.control property values are restored to the values from view state

Ans-c,d

11.which of the following two properties of updatepanel control determine when the control updates its contents?

12.Is it possible to customize the layout of the controls rendered by the Login control? If yes, how?

- a.by setting the layoutTemplate property to a template
- b.bt setting the setTemplate property to a template
- c..It is not possible to customize the layout of the controls rendered by the Login control
- d.by manually manipulating the layout

Ans-a

13.What is the System.Diagnostics namespace used for?(chech all that apply)

- a. It provides classes that allow you to place diagnostic details in text files

- b. It provides classes that allow you to interact with event logs
- c. It provides classes that allow you to monitor system performance
- d. It provides classes that allow you to interact with system processes

Ans-b,c,d

14. Please re-arrange the steps to denote how view state works:

- a. the default value for the property is returned if there is not an entity in the ViewState
- b. when the property is assigned, the assigned value is written directly to the ViewState
- c. the control's ViewState is consulted
- d. a control's property is read

Ans=4,3,1,2//d,c,a,b

15. Which of the following method of the Role class will enable you to add an array of users to a role?

- a. AddUsers to Roles
- b. AddUsers to Role
- c. AddUser to Roles
- d. AddUser to Role

Ans-b

16. Which of the following statements are true about DataBinding Expression?

- a. you mark a databinding expression in a page by wrapping the expression in opening <%@ and closing %> brackets
- b. you mark a databinding expression in a page by wrapping the expression in opening <%# and closing %> brackets
- c. a databinding expression is evaluated at runtime
- d. a databinding expression is evaluated at design time

Ans-b,c

17. Which of the following statements are true about App_GlobalResources folder?

- a. App_GlobalResources folder must be located in the root of the application
- b. App_GlobalResources folder must contain the application config file
- c. all the resource files to be associated with the entire application must be added to App_GlobalResources folder
- d. the application config file must contain details of the App_GlobalResources folder

Ans-a,c

18.what is the significance of system.web.services.protocols namespace?

- a.it contains the classes needed to configure a web service
- b.it consists of the classes used to define the protocols that enable message transmission over HTTP between ASP.NET web service and ASP.NET web service clients
- c.it consists of the classes that enable web service consumers to locate available web services
- d.it contains the classes needed to describe a web service

Ans-b

19.which of the following activities can happen during the initialization stage of the page life cycle?

- a.each control's uniqueID property is set
- b.a master page and themes are applied to the page
- c.postback data is loaded
- d.control property values are restored to the values from view state

Ans-c,d

20.which of the following two properties of updatepanel control determine when the control updates its contents?

- a.IsInPartialRendering
- b.ContentTemplateContainer
- c..RenderMode
- d.ChildrenAsTriggers
- e.UpdateMode

Ans-a,e

21.what is the effect on the currency amount values by setting the Culture information?

- a.Currency values are automatically converted
- b. Currency symbol is automatically placed
- c.no effect on the currency values
- d. Currency values are fetched from web.config file

Ans-b

22.what precautions should be taken while using Hidden fields?

a.in order for the hidden-field values to be available during page processing,you must submit the page using an HTTP GET command

b.hidden fields should have unique names

c.sensitive informatin should not be stored in the hidden fields

d.in order for hidden-field values to be available during page processing ,you must submit the page using an HTTP POST command

Ans-c ,d

23.how does asp.net leverage on the .net framework?

a.by using the framework class library(FCL) of .net

b.by using configuration files

c.by executing in web browsers

d.by taking advantage of common language runtime(cclr)

Ans-d

24.how does OneWay DataBinding work?

a. changes to the target property are propagated back to the source property

b. changes to the source property will automatically update the target property

c. changes to the source property will not automatically update the target property

d. changes to the target property are not propagated back to the source property

Ans – b ,d

25._____ are small amounts of data sent by a program to the browser and stored on the user's machine to be retrieved later.

a. objects

b. session variables

c. application variables

d. cookies

Ans-d

26.how do you implement code behind?

a.all the business logic is written in a .cs or .vb file

b.all the user interface related code is written in a .aspx file

c.all the user interface related code is written in a .cs or .vb file

d. all the business logic is written in a .aspx file

Ans-a,b

27.what does the following code snippet denote?

```
String itle = (string)reader["FirstName"];
```

28.what does the following directive do in a user control?

```
<%@OutputCache Duration ="240" VaryByParam="None" %>
```

a. if you include the following directive at the top of a user control file, a version of the control is stored in the output cache for 240 seconds

b. if you include the following directive at the top of a user control file, the output cache is cleared for 240 seconds

c. if you include the following directive at the top of a user control file, a version of the entire page is stored in the output cache for 240 seconds

d. if you include the following directive at the top of a user control file, a version of the control is stored in the output cache after 240 seconds

Ans-a

29.how do you control refresh of only a certain portion of the page during an asynchronous postback?

a. by using nested updatepanel controls

b. by using asynctrigger

c. by using asyncpostbacktrigger

d. by using scriptmanager control

Ans-a

30. How does OneWay databinding work? (Check all that apply)

a. Changes to the target property are propagated back to the source property

b. Changes to the source property will automatically update the target property

c. Changes to the source property will not automatically update the target property

d. Changes to the target property are not propagated back to the source property

Ans-b, d

31.Which of the following statements are true about Cascading Stylesheets? (Check all that apply)

a. You can add only one cascading stylesheet to a Theme folder

- b. You can add multiple cascading stylesheets to a Theme folder
- c. Cascading stylesheet files have a .css extension
- d. Style sheets are linked to a page in alphabetical order
- e. Style sheets are linked to a page in the given order

Ans-b,c,e

32.How is Warn method of TraceContext class different from Write method?

- a. The message written with warn method can only be shown on the page & not in trace log
- b. The warn method does not write information, just displays it
- c. The warn method halts the execution of the page
- d. The message written with Warn method appears in red text

Ans-d

33.What is the significance of a SOAP Envelope?

- a. SOAP Envelope transmits the SOAP message
- b. SOAP Envelope defines the XML document as a SOAP message
- c. SOAP Envelope defines the Text document as a SOAP message
- d. SOAP Envelope defines the mechanism of transporting a SOAP message

Ans-b

34.Which of the following controls in ASP.NET can be used to display text in a page

(Check all that apply)

35.Is it possible to customize the layout of the controls rendered by the Login control? if yes, how?

- a. By setting the LayoutTemplate property to a template
- b. By setting the SetTemplate property to a template
- c. It is not possible to customize the layout of the controls rendered by the Login control
- d. By manually manipulating the layout

Ans-a

36.What is the System.Diagnostics namespace used for? (Check all that apply)

- a. It provides classes that allow you to place diagnostic details in text files

- b. It provides classes that allow you to interact with event logs
- c. It provides classes that allow you to monitor system performance
- d. It provides classes that allow you to interact with system processes

Ans-b,c,d

37. Please re-arrange the steps to denote how view state works:

- I. The default value for the property is returned if there is not an entry in the ViewState
- II. When the property is assigned, the assigned value is written directly to the ViewState
- III. The control's ViewState is consulted
- IV. A control's property is read

- a. I,II,III,IV
- b. IV,III,I,II (Ans)
- c. III,I,II,IV

38. What are your observations on the following entry in web.config file?

```
<configuration>  
<system.web>  
  <urlMappings>  
    <add url= "~/index.aspx"  
      mappedUrl= "~/default.aspx" />  
  </urlMappings>  
</system.web>  
</configuration>
```

- a. It redirects default.aspx
- b. It remaps default.aspx to index.aspx
- c. It remaps index.aspx to default.aspx
- d. It ignores default.aspx

Ans-c

39. How is POST different from GET?

- a. POST & GET do the same thing
- b. POST sends information in a HTTP Header (Ans)

c. POST sends information embedded in the URL

d. POST does not send any information back to the server

Ans : b

40. Which of the following are the different types of authentication mechanisms that ASP.NET framework supports?

(Check all that apply)

a. Identity Authentication

b..NET Passport Authentication

41. What does Precompiling for deployment option produce? (Check all that apply)

a. Assemblies

b. Configuration information

c. Database objects

d. Static files

e. Site's folder information

Ans-a,b,d,e

42.Which of the following statements are true about a SqlDataAdapter? (Check all that apply)

a. The connection to the database is automatically created & opened when the Fill method is called

b. The connection to the database should be explicitly created & opened before the Fill method is called

c. The connection to the database is automatically closed by the Fill method after the data is fetched from the database

d. The connection to the database should be explicitly closed after the Fill method after the data is fetched from the database

Ans-a,c

43.what does the following code denote?

```
<% @page language="c#" Inherits="MyStuff.MyClass" %>
```

```
<HTML>
```

```
<body>
```

```
<form id="MyForm" runat="server">
```

```
<asp:textbox id="MyTextBox" text="Hello World" runat="server"></asp:textbox>
```

```
<asp:button id="MyButton" text="Echo Input" Onclick="MyButton_Click" runat="server"></asp:button>
```

```
<asp:label id="MyLabel" runat="server" />
```

```
</form>
```

```
</body>
```

```
</HTML>
```

44. What does AuthorizationStoreRoleProvider do?

a. Enables you to use Authorization Manager to store role information in an XML file,

Active Directory, or Activity Directory Application Mode

b. Enables you to use Microsoft Windows groups to represent role information

c. Enables you to use ActiveDirectory to represent role information

d. Enables you to store role information in a Microsoft SQL Server database

Ans-a

45.What does the following code denotes? (Check all that apply)

```
// File -A
```

```
public partial struct CurrencyDetails
```

```
private double amount;
```

```
public double Amount
```

```
{ get
```

```
{
```

```
return amount;
```

```
}
```

```
Set
```

```
{
```

```
amount = value;
```

```
AmountChanged(amount);
```

```
}
```

```
}
```

```
partial void AmountChanged(double amount);
```

```
}
```

```
// File -B
```



```

public partial struct CurrencyDetails
{
    partial void AmountChanged(double amount)
    {
        MessageBox.Show(" Amount is" + amount.ToString());
    }
}

```

- a. AmountChanged method has only defining partial
- b. It is an example of sealed class

ASP_NEW

Which of the following can happen before and during the rendering stage of the page life cycle? (Check all that apply)

- a) Page load event is triggered
- b) Control properties are loaded with information recovered from view state and control state
- c) View state is saved for the page and all controls
- d) The Render method for each control is called by the page

Ans c,d

How can you inject a JavaScript into a page dynamically?

- a) By using Page.ClientScript.RegisterClientScriptInclude method
- b) By using Page.ClientScript.RegisterStartupScript method
- c) By using Page.ClientScript.RegisterClientScriptResource method
- d) By using Page.ClientScript.RegisterClientScriptBlock method

Ans: b

What does the following code denote?

```

<table>
<tr>
<td>

```

```

<asp:Textbox id="txtAge" runat="server"></asp:Textbox>

</td>

<td>

<asp:CompareValidator id="CompareValidator1" runat="server"

ForeColor="Blue"

ControlToValidate="txtAge"

ValueToCompare="0"

Type="Integer"

Operator="GreaterThanEqual"

ErrorMessage="Please enter a whole number zero or greater.">

</asp:CompareValidator>

</td>

</tr>

</table>

```

- a) A Usage of RequiredFieldValidator
- b) Usage of RegularExpressionValidator
- c) Usage of RangeValidator
- d) Usage of ComparisonValidator

Ans: d

Custom control can be inherited from which of the following base classes? (check all that apply)

- a) System.UI.WebControls.WebControl
- b) System.Web.UI.WebControls.WebControl
- c) System.Web.UI.WebControls.CompositeControl
- d) System.UI.WebControls.CompositeControl
- e) System.Web.UI.Control

Ans: b,e

Which of the following event is raised at the end of the event-handling stage of the page life cycle?

- a) Init
- b) LoadComplete
- c) Unload
- d) InitComplete

Ans: c

What does the following code snippet denote?

```
<%@ Application Inherits="Customers.Object" Description="Our Customers" %>
```

- a) Explicitly imports a namespace into an application
- b) Defines application-specific attributes used by the ASP.NET application compiler
- c) Links an assembly to the application at design time
- d) Links an assembly to the application at design time

Ans: a

What does WindowsTokenRoleProvider do?

- a) Enables you to use ActiveDirectory to represent role information
- b) Enables you to store role information in a Microsoft SQL Server database
- c) Enables you to use Authorization Manager
- d) Enables you to use Microsoft Windows groups to represent role information

Ans: d

What is the difference in working of a Repeater control compared to a GridView or DataList control?

- a) Repeater control is not a databound control
- b) Repeater control allows you to edit data
- c) Repeater control allows you to page data
- d) Repeater control does not automatically render an HTML table

Ans: d

How does the PasswordRecovery control work? (Check all that apply)

- a) It recovers all the old passwords
- b) It sends the user's original password
- c) It determines whether the password can be recovered or not
- d) It resets the password and sends the new password

Ans: c,d

Which of the following statements are true about skip navigation link? (Check all that apply)

- a) Only SiteMapPath control renders skip navigation link
- b) The skip navigation link is read by a screen reader, but it is not displayed in a normal browser
- c) All navigation controls automatically render skip navigation link
- d) The skip navigation link enables users of screen readers to skip the repetitive reading of links

What is the significance of System.Web.Services.Discovery namespace?

- a) It consists of the classes used to define the protocols that enable message transmission over HTTP between ASP.NET Web Services and ASP.NET Web Service clients
- b) It consists of the classes that enable Web Service consumers to locate available Web Services
- c) It contains the classes needed to configure a Web Service
- d) It contains the classes needed to describe a Web Service

Ans:b

What are the differences between a user control & a page control ? (Check all that apply)

- a) The file name extension for the user control is .ascx
- b) The user control contains an @ Control directive that defines configuration and other properties
- c) The user control contains an @ Page directive that defines the page in which it is embedded
- d) The user control contains cannot run as stand-alone file
- e) The user control does not have html,body, or form elements in it. These elements must be in the hosting page

Ans a,b,d,e

Which of the following is cleared when the server is restarted?

- a) Cookies
- b) Session Variables
- c) Local Variables
- d) Application Variables

Ans:d

Which of the following statements are true about creating themes? (Check all that apply)

- a) Themes are created by adding a folder in App_Directory folder
- b) Each folder that you add to the App_Themes folder represents a different Theme
- c) Themes are created by adding a folder in App_Themes folder
- d) Each folder that you add to the App_Directory folder represents a different Theme

Ans: b,c

Which of the following method enables you to add a reference to a JavaScript file embedded in an assembly?

- a) RegisterClientScriptInclude
- b) RegisterClientScriptResource
- c) RegisterClientScriptBlock
- d) RegisterArrayDeclaration

Ans: b

Which of the following statements are true about Trace class? (Check all that apply)

- a) This class cannot be inherited
- b) You can inherit a custom class from this class
- c) It denotes the context of execution of an ASP.NET page
- d) It provides a set of methods and properties that help you trace the execution of your code
- e) It captures and presents execution details about a Web request

Ans: a,c,d

How is the content of a hidden field handled when a page is submitted to the server?

- a. The content of the hidden field is lost.
- b. The content of the hidden field is stored locally in a cookie.
- c. The content of a hidden field is sent in the HTTP form collection along with the values of the other controls.

- d. The content of the hidden field is stored in a session.

Ans: c

What does the following code snippet denote? (Check all that apply)

```
<%@ Page Xlanguage= "C#" Culture="en-GB" UICulture="en-GB"%>
```

- a. How to set the Culture property manually
- b. How to set the UICulture property manually
- c. How to set the UICulture property dynamically
- d. How to set the Culture property dynamically

Ans a,b

What does the Profile service do?

- a. It enables you to store information associated with a user across multiple visits to a web application.
- b. It shows user profiles
- c. It enables you to load information associated with a user across multiple visits to a web application
- d. It enables you to display information associated with a user across multiple visits to a web application

Ans:a

Which of the following enables you to transfer data from a physical database to the in-memory database?

- a. DataTable
- b. DataSet
- c. DataView
- d. DataAdapter

Ans:d

What happens when a button on an ASP.NET page is clicked?

- a. The click event is raised only when the page containing the button is posted back to the server.
- b. The click event calls a web service.
- c. The click event is directly sent to the server from the client page.
- d. The click event is executed in the browser at the client side.

Ans:a

How is the view state is serialized and deserialized?

- a. By using System.Web.UI.AttributeCollection
- b. By using System.Web.UI.Control
- c. By using System.Web.UI.LosFormatter
- d. By using System.Web.UI.StateBag

Ans:c

What is the System.Diagnostics namespace used for? (Check all that apply)

- a. It provides classes that allow you to interact with event logs.
- b. It provides classes that allow you to place diagnostic details in text files.
- c. It provides classes that allow you to interact with system processes.
- d. It provides classes that allow you to monitor system performance.

Ans: a,c,d

Which of the following statements are true about template user controls? (Check all that apply)

- a. The user interface for the user control is supplied by the developer at design time.
- b. The code for the user control is supplied by the developer at design time.
- c. A templated control does not provide a user interface.
- d. A templated control provides only the user interface.

Ans: a,c

Which of the following statements are applicable to multiview control? (Check all that apply)

- a. You can render multiple view controls at any time.
- b. Multiview is useful when you need to create a tabbed page.
- c. Multiview control enables you to hide and display different areas of a page.
- d. Multiview control contains one or more View controls.

Ans : b,d (if option is not available then a,b,d is ans)

Which of the following attributes work like the position:fixed Cascading Style Sheet attribute?

- a. AutoComplete
- b. CollapsiblePanel
- c. Calendar

d. AlwaysVisibleControl

Ans : d

Which of the following are the different ways of handling errors in ASP.NET? (Check all that apply)

a. Custom Error Object

b. Try....Catch block

c. Custom Error Page

d. Error Events

Ans : b,c,d

How do you set the culture for UICulture properties once for the entire application instead of each page?

a. By calling the GetCultures method of the CultureInfo class.

b. By using the Request.UserLanguages property.

c. By setting the value in web.config.

d. By setting UICulture and Culture properties to auto.

Ans : c

What does the following code denote?

```
Using System;
```

```
Using System.Web;
```

```
Using System.Web.UI;
```

```
Using System.Web.UI.WebControls;
```

```
namespace MyStuff
```

```
{
```

```
public class MyClass : Page
```

```
{
```

```
protected System.Web.UI.WebControls.Label MyLabel;
```

```
protected System.Web.UI.WebControls.Button MyButton;
```

```
protected System.Web.UI.WebControls.TextBox MyTextBox;
```

```
public void MyButton_Click(Object Sender,EventArgs e)
```

```
{
```



```
MyLabel.Text=MyTextBox.Text.ToString();
```

```
}
```

```
}
```

```
}
```

- a. It denotes an aspx page
- b. It denotes a header file
- c. It denotes a code-behind page.
- d. It denotes a user control.

Ans : c

Which of the following class enables ASP.NET to read the HTTP values sent by a client during a Web Request?

- a. HTTPRequest
- b. Response
- c. Request
- d. HTTPResponse

Ans : c

GridViewControl is derived from which of the following class?

- a. CompositeDataBoundControl
- b. CustomControl
- c. CompositeControl
- d. DataBoundControl

Ans : a

Which of the following statements are true about App_LocalResources folder? (Check all that apply)

- a. All the resource files to be associated to a page must be added to App_LocalResources folder.
- b. App_LocalResources folder is created in the same folder as the page you want to localize.
- c. App_LocalResources folder must contain the application config file
- d. The application config file must contain details of the App_LocalResources folder

Ans :a,b

What is the significance of @Control directive in a aspx page? (Check all that apply)

- a. It defines page specific attributes used by the ASP.NET page parser and compiler.
- b. It can be include only in .ascx files.
- c. It defines control specific attributes used by the ASP.NET page parser and compiler.
- d. It can be included only in .aspx files.

Ans : b,c

Which of the following are the different Role providers provided by ASP.NET framework?

- a. AuthorizationStoreRoleProvider
- b. SQLRoleProvider
- c. WindowsTokenRoleProvider
- d. ActiveDirectoryRoleProvider

Ans : a,b,c

What is a Neutral culture?

- a. When you do not specify either the country/region code or the culture name
- b. When you provide the culture name but no country/region code
- c. When you provide a country/region code but no culture name
- d. When you provide country name & culture name as US

Ans : b

_____ define regions where replaceable content can appear in a master page.

- a. User Custom controls
- b. User Layouts
- c. Static Controls
- d. ControlPlaceHolder Controls

Ans : d

Which statements are applicable to SqlCommand.ExecuteNonQuery() method? (Check all that apply)

- a. Executed when you want to run a select query
- b. Executed when a command needs to return multiple rows
- c. Executed when a command does not need to return rows
- d. Executed when you want to insert data
- e. Executed when you want to update data

Ans : c,d,e

Which of the following statements are true about Application State? (Check all that apply)

- a. Application state is specific to a single user session
- b. Application state is stored on the server
- c. Application state is stored on the client
- d. Application state applies to all the users & sessions

Ans : b,d

Which of the following are the basic steps to use a user control? (Check all that apply)

- a. Insert the user control like a server control
- b. Include a User control in another ASP.NET page using the register directive
- c. Upload the user control in IIS root
- d. Set properties of the user control

Ans :a,b,d

What are your observations on the following code snippet of a configuration file? (Check all that apply)

```
<configuration>
```

```
<system.web>
```

```
<identity impersonate="true" userName="cognizantlohn" password="cognizant" />
```

```
</system.web>
```

```
</configuration>
```

- a. You can add support for specific names to run an application as a configurable identity.
- b. For better security it is advisable to encrypt and move the <identity> entry to machine config
- c. All users can run the application with their individual identities
- d. For better security it is advisable to encrypt the <identity> entry in web.config
- e. It is used to control impersonation by using the identity configuration element

Ans :c,e

What does the following code denote?

```
public class Sample
```

```
{
```

```
[WebMethod]
```

```
public string CompanyName()
```

```
{
```

```
    return "Cognizant";
```

```
}
```

```
}
```

- a. It is an example of a remoting client
- b. It is an example of a web method of a web service
- c. It is an example of a web method of an aspx page
- d. It is an example of a Windows service

Ans : b

What is the primary performance improvement in case of Precompiling a site in place?

- a. Memory management is handled better
- b. Exception handling is reinforced
- c. Garbage collection is handled better
- d. Pages do not have to be compiled for the first request

Ans : d

Which of the following can be used by the browser to recognize a user who returns back to a website after several hours?

- a. Local variables
- b. Cookies
- c. Session Variables
- d. Application Variables

Ans : b

1. How do you generate a new window using javascript?

- a. Using window.generate() method
- b. Using window.open() method(ANS:B)
- c. Using window.new() method
- d. Using window.create() method

2. Is it possible to run some Web applications in worker process isolation mode and others in IIS 5.0 isolation mode

on the same IIS 6.0 server? If yes, why?

- a. Yes, because each web application runs in separate process space
- b. No, because all web applications run in the same process space
- c. Yes, because each web application runs in separate process space
- d. No, because IIS 6.0 cannot run both the application modes simultaneously (ANS:D)

3. Which functionality allows users to edit, delete and move files and directories, and share documents over the

internet, in IIS 5.0?

- a. Support for Web Authoring
- b. Support for Web Distributed Authoring and Versioning (ANS:B)
- c. Support for Web Integrated Authoring and Distribution
- d. Support for Web Integrated Authoring and Versioning

4. What does the IsapiModule native module in IIS 7.0 do?

- a. It hosts ISAPI filter DLLs
- b. It processes server-side includes code
- c. It hosts ISAPI extension DLLs (ANS:C)
- d. It supports ISAPI filter DLLs

5. Which of the following statements are true about CSS? (Check all that apply)

- a. Styles are saved in an external file with extension .xml
- b. All formatting is removed from the HTML & stored in a separate CSS file (ANS:B,C,D)
- c. Styles are saved in an external file with extension .css (ANS:B,C,D)
- d. CSS defines how HTML elements are to be displayed (ANS:B,C,D)
- e. CSS defines individual HTML elements of a web page

6. How does the application server operate between the client and the database?

- a. It supports a distributed computing three tier model operating in the middle layer (ANS:A)

b. It hosts the database

c. It supports a distributed computing two tier model operating in the User Interface Layer.

d. It hosts the client

7. Which of the following statements are true about HyperText Transfer Protocol (HTTP)? (Check all that apply)

a. The server submits a request to the client & the client returns a response message to the server

b. The client submits an HTTP request message to the server & the server returns a response message to the client(ANS:B,C,D)

c. HTTP is a networking protocol for distributed collaborative, hypermedia information systems(ANS:B,C,D)

d. HTTP is the foundation of data communication for the World Wide Web(ANS:B,C,D)

e. HTTP is a networking protocol for monolithic applications

8. What is Podcasting? (Check all that apply)

a. Podcasting is a series of digital media files that are streamed continuously

b. Podcasting is a streamed webcast

c. The files are often downloaded through web syndication(ANS:C,D)

d. Podcasting is a series of digital media files that are released episodically(ANS:C,D)

e. Podcasting is a non-streamed webcast

9. What are the features a typical Web2.0 website should have? (Check all that apply)

a. Search(ANS:A,C,D)

b. Load

c. Tags(ANS:A,C,D)

d. Links(ANS:A,C,D)

10. Which of the following are the different ways of accessing a Form object? (Check all that apply)

- a. by ID, if you assign an identifier to the ID attribute inside the tag
- b. Directly in the document object
- c. by name, if you assign an identifier to the NAME attribute inside the tag
- d. by its position in the array of forms contained by a document

Ans : a,c

11. What rules should be followed while naming variables? (Check all that apply)

- a. A variable name cannot be just one character long
- b. A variable name should not be a reserved word (ANS:B,D)
- c. A variable name cannot begin with a character
- d. A variable name cannot contain spaces (ANS:B,D)

12. Which of the following are the conditions when you decide to use a javascript? (Check all that apply)

- a. When you want to convert frequently used CGI processes to client -side javascripts to reduce server load (should be an answer)
- b. When you want to make HTML pages more dynamic in nature(ANS:B,D)
- c. When you want to execute a script on the server
- d. When you want to conduct data -entry validations(ANS:B,D)

13. Which of the following controls can be used to input text? (Check all that apply)

- a. input
- b. inputbox
- c. textarea(ANS:C,D)
- d. textbox(ANS:C,D)

14. What does the following example denote? (Check all that apply)

<object data="movie.swf"

type="application/x-shockwave-flash"

`width="400" height="200">`

`<param name="movie" value="movie.swf">`

`<param name="wmode" value="opaque">`

`</object>`

- a. Object tag is used to embed flash objects(ANS:A,C)
- b. Object tag is used to embed HTML animation objects
- c. Object support in browsers depend on the object type(ANS:A,C)
- d. Object tag support is universal in all the browsers

15. HTML table has two kinds of cells; which are they? (Check all that apply)

- a. Formatted cells
- b. Standard cells(ANS:B,D)
- c. Footer cells
- d. Header cells(ANS:B,D)

16. _____ is a structure for storing Internet Information Server configuration settings.

- a. Metabase(ANS:A)
- b. Metadata
- c. Registry
- d. Database

17. A Web server exclusively handles _____ requests.

- a. Remoting
- b. RPC
- c. HTTP(ANS:C)
- d. TCP/IP

18. What are the significance of a tag in HTML? (Check all that apply)

- a. The tag defines a column or a row in an HTML document (ANS:A,B,C)
- b. The tag defines a division or a section in an HTML document (ANS:A,B,C)
- c. The tag is often used to group block -elements to format them with styles (ANS:A,B,C)

d. The tag is often used to divide HTML elements to format them with styles

19. How does the browser handle objects of same types when the document loads?

- a. The browser creates arrays of same objects in the document
- b. The browser creates one array for all objects in the document
- c. The browser treats each object distinctly(ANS:C)
- d. The browser plays no role in handling objects in the document

20. What is often used with (div> tag to format HTML elements on a webpage?

- a. Include file
- b. Template file
- c. Header file
- d. CSS(ANS:D)

21. Which of the following are the different ways of accessing a Form object? (Check all that apply)

- a. by ID, if you assign an identifier to the ID attribute inside the tag
- b. Directly in the document object
- c. by name, if you assign an identifier to the NAME attribute inside the tag
- d. by its position in the array of forms contained by a document

22. There are three ways of inserting a style sheet, which are they? (Check all that apply)

- a. Extended Style Sheets
- b. Included Style Sheets
- c. Inline Style(ANS:C,D,E)
- d. Internal Style Sheets(ANS:C,D,E)
- e. External Style Sheets(ANS:C,D,E)

23. Which of the following statements are true about an application server? (Check all that apply)

- a. It is dedicated to the efficient execution of procedures - programs, routines, scripts -for supporting the construction of applications (ANS:A,D)

- b. It is a software framework that provides an environment where applications can be generated based on established standards
- c. It works similar to a File server where files are served to the client environment
- d. It is a software framework that provides an environment where applications can run, no matter what the applications are or what they do (ANS:A,D)

24. Which of the following elements are used to create a menu (Check all that apply)

- a. option
- b. select(ANS:B,C,D)
- c. list(ANS:B,C,D)
- d. menu(ANS:B,C,D)

25. How does Microblogging differ from traditional blogging? (Check all that apply)

- a. Microblogs restrict users from exchanging video links
- b. Microblogs allow users to exchange short sentences(ANS:B,D,E)
- c. Microblogs restrict users from exchanging individual images
- d. Microblogs allow users to exchange video links(ANS:B,D,E)
- e. Microblogs allow users to exchange individual images(ANS:B,D,E)

26. What is a Mashup?

- a. A mashup is a Web page or application that contains large amounts disparate data from two or more sources
- b. A mashup is a Web page or application that uses and combines data, presentation or functionality from two or more sources to create new services(ANS:B)
- c. A mashup is a Web page or application that uses and combines data, presentation or functionality through remote invocation
- d. A mashup is a Web page or application that creates a combination of data from various different sources in the memory

27. It is mandatory to have application server on the same computer as the web server. State True or False.

Answer:

1. True

2. False(ANS)

28.What is a Selector?

- a. It is an Assembly that you want to style
- b. It is a Webpage that you want to style
- c. It is an HTML element that you want to style (ANS:C)
- d. It is the HTML document that you want to style

29. Can administrators send a message to clients when HTTP errors or issues exist on the Web site; in IIS 5.0?

- a. Administrators cannot send a message to clients when HTTP errors occur or issues exist on the Web site, in IIS 5.0
- b. Yes, using MSMQ
- c. Yes, using Custom Error Messages(ANS:C)
- d. Yes, using Messaging API

30. The _____ makes it possible for users to execute full text queries of the web content hosted on IIS through content searches.

- a. FTP Server
- b. File Server
- c. Index Server(ANS:C)
- d. Application Server

31. Which of the following statements are true about the Window object? (Check all that apply)

- a. It is at the top of the document object hierarchy(ANS:A,D)
- b. It is at the bottom of the document object hierarchy
- c. It is the master container for all the contents that you view in the browser
- d. It includes the dimensions of the window as well as the area where the scroll bars,tool bars, status bars & menu bars live(ANS:A,D)

32. Which of the following statements are true about object control? (Check all that apply)

- a. Allow the users to insert generic objects in forms such that associated values are submitted along with other controls(ANS:A,C)
- b. Allow the users to insert generic objects in forms such that the objects themselves are submitted along with other controls
- c. Object controls are created with the OBJECT element(ANS:A,C)
- d. Object controls are created with the EMBED element

33.Which of the following will let you run Java on the server?

- a. Virtual directories
- b. Java Virtual Machine(ANS:B)
- c. Java Virtual service
- d. Java Virtual Web Server

34.How do you display a dialog box that shows a message & provides a text field for the user to enter a value?

- a. window.alert() method
- b. window.prompt() method(ANS:B)
- c. window.confirm() method
- d. window.show() method

35. What are Form control elements? (Check all that apply)

- a. They represent all the elements defined in a form object (ANS:A,D)
- b. They represent all the elements defined in a control object
- c. Each element in the containing object is a separate object
- d. All the elements in the containing object are grouped together as a separate object (ANS:A,D)

36. Which of the following are the different authentication mechanisms supported by IIS 5.0? (Check all that apply)

- a. Basic Access Authentication(ANS:A,C,D)
- b. Microsoft Passport Authentication
- c. Integrated Windows Authentication(ANS:A,C,D)
- d. Digest Access Authentication(ANS:A,C,D)
- e. Web Server Authentication

37. What is the significance of the Select object? (Check all that apply)

- a. You can display this as a pop-up list
- b. You can display this as a scrolling list(ANS:B,C)
- c. It contains an array of Option objects(ANS:B,C)
- d. It contains only two option objects with the first one selected by default

38. The Web server doesn't provide any functionality beyond simply providing an environment in which the server- side program can execute and pass back the generated responses. State True or False.

- 1.True(ANS)
- 2.False

39. Which of the following are font -style tags? (Check all that apply) < >

- a. (ANS:A,B,C,D)
- b. <tt> (ANS:A,B,C,D)
- c. <i> (ANS:A,B,C,D)
- d. <big> (ANS:A,B,C,D)
- e. <abbr>

40. What are your observations on the following code snippet? (Check all that apply)

```
body {background-color: #b0c4de;}
```

- a. The background -color property specifies the background color of all the elements in a web site
- b. The background color of a page is defined in the body selector(ANS:B,D)
- c. The background color of a page is defined in the head selector

d. The background-color property specifies the background color of an element(ANS:B,D)

41. What is a Wiki? (Check all that apply)

- a. It is a website that allows creation and editing of any number of interlinked web pages via a web browser using an object oriented programming language
- b. It is often used to create collaborative works(ANS:B,D)
- c. It is often used to create bookmarks
- d. It is a website that allows creation and editing of any number of interlinked web pages via a web browser using a simplified markup language(ANS:B,D)

42. What are your observations on the following CSS code? (Check all that apply)

P{color:red;text-align:center;}

- a. Declaration groups are surrounded by curly brackets (ANS:A,D)
- b. Declaration groups end with a semi-colon
- c. CSS declarations always begin & end with curly brackets
- d. CSS declarations always end with a semi-colon (ANS:A,D)

What does following directive denote?

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

- 1.It denotes that the html details of the page are in Default.aspx.cs
- 2.It denotes that the .NET code of the page is in Default.aspx.cs
- 3.It denotes that the language used for coding is C#
- 4.It denotes that C# code blocks are embedded in the html elements

Ans: 2,3,4

How are Null values handled in Joins sql server 2008?

- 1.When there are null values in the columns of the tables being joined, null value of the right table is matched with the null value of the left table
- 2.When there are null values in the columns of the tables being joined, the null values do not match each other

3.The presence of null values in a column from one of the tables being joined can be returned only by using an inner join

4.The presence of null values in a column from one of the tables being joined can be returned only by using an outer join

5.When null values are present in data being joined, it is usually preferable to omit them from the results by using a regular join

3&5

2&5

2&4&5

1&3

1&2&4

Ans:2&4&5

What will happen if there is an implementing partial without a defining partial in a partial method?

Compiler generates an error

Compiler will consider the implementing partial as a normal method and compile the code

Compiler will generate the defining partial

Compiler omits the code

Ans: Compiler generates an error

What does following directive denote?

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>
```

- 1.It denotes that the html details of the page are in Default.aspx.cs
- 2.It denotes that the .NET code of the page is in Default.aspx.cs
- 3.It denotes that the language used for coding is C#
- 4.It denotes that C# code blocks are embedded in the html elements

Ans: 2,3,4

What is the significance of the @ Register directive in a ASP.NET web page?

The directive is used to register a web site

The directive is used to register a user control

The directive is used to register a web page

The directive is used to register an application

Ans: The directive is used to register a user control , The directive is used to register a web page

Ques 29

What are the advantages of partial classes?

1. When multiple deployments are required
2. When working on large projects, spreading a class over separate files allows multiple programmers to work on it simultaneously
3. When multiple versions of assembly are required
4. When working with automatically generated source, code can be added to the class without having to recreate the source file

Select one:

a. 2&4 (ans)

- b. 2&3
- c. 1&3&4
- d. 1&3

ques 28

What is the significance of Culture property of a page class?

Select one:

- a. The Culture property determines how resource files are used for formatting dates, numerals, and currency amounts
- b. The Culture property determines the default culture of the operating system
- c. The Culture property determines how strings such as dates, numerals, and currency amounts are formatted (ans)
- d. The Culture property is used to specify which resource files are loaded for the page

What all features are supported by SQLXML in SQL Server?

- 1. Ability to transform the result of a query into XML on the client side
- 2. Ability to create an XML view of relational data by using an annotated XSD mapping schema file
- 3. Ability to access SQL Server using HTTP
- 4. Ability to access SQL Server using TCP/IP
- 5. Ability to expose functionality offered by stored procedures, user -defined functions, and template queries as SOAP –based Web services

Select one:

- a. 1&2&4
- b. 1&5
- c. 1&2&3&5 (ans)
- d. 3&4&5

ques 27

What is the significance of Document Type Definition (DTD)? Please select all the relevant options?

- 1. Is a set of markup declarations that define a document type
- 2. It's syntax declares precisely which elements and references may appear where in the document

3. It declares precisely the programming logic used for each element in the document
4. It declares entities which may be used in the HTML document
5. It declares what the contents and attributes are for each element

Select one:

- a. 2&5
- b. 3&4&5
- c. 1&3&4
- d. 1&2&4&5 (ans)
- e. 1&2&3&4

page 26

What describes the web service, its parameters & how to use it?

Select one:

- a SOAP
- b UDDI
- c. WSDL (ans)
- d. XML

Which statements are true about Clustered index?

- 1 .A clustered index sorts and stores the data rows of the table or view in order based on the clustered index key
2. A clustered index sorts and stores the data columns of the table or view in order based on the clustered index key
3. A clustered index is implemented as a B -tree index structure
4. A clustered index is implemented as a Linked -list structure

Select one:

- a.1 &3 (ans)
- b.1 &4
- c.2&3
- d.2&3&4

Which are the conditions when indexes of views can provide significant performance advantages?

1. When the view contains aggregations
2. When the view contains compositions
3. When the view contains table joins
4. When the view contains a combination of aggregations & joins
5. When the view contains locks

Select one:

- a. 2&5
- b. 1&5
- c. 1&2&4
- d. 3&5
- e. 1&3&4 (ans)

What does the following code denote?

```
<table>
```

```
<tr>
```

```
<td>
```

```
<asp:Textbox id="txtAge" runat="server"></asp:Textbox>
```

```
</td>
```

```
<td>
```

```
<asp:CompareValidator id="CompareFieldValidator1" runat="server"
```

```
ForeColor="Blue"
```

```
ControlToValidate="txtAge"
```

```
ValueToCompare="0"
```

```
Type="Integer"
```

```
Operator="GreaterThanOrEqual"
```

ErrorMessage="Please enter a whole number zero or greater.">

</asp:CompareValidator >

</td>

</tr>

</table>

Select one:

- a. Usage of ComparisonValidator (ans)
- b. Usage of RangeValidator
- c. Usage of RequiredFieldValidator
- d. Usage of RegularExpressionValidator

PAGE 23

How do you implement code behind?

- 1 .All the user interface related code is written in a .aspx file
- 2.All the user interface related code is written in a .cs or .vb file
- 3.All the business logic is written in a .cs or .vb file
- 4.All the business logic is written in a .aspx file

Select one:

- a 2&3&4
- b 1&3 (ans)
- c 1&2
- d 3&4

page 22

Which statements are true about return types of CLR Scalar values functions?

- 1.The type returned from a scalar valued function can be any of the scalar data types supported by SQL Server, except varchar, char, rowversion, text, ntext, image, timestamp, table, or cursor
- 2.The type returned from a scalar valued function should be from the following list varchar, char, rowversion, text, ntext, image, timestamp, table, or cursor
- 3.Scalar valued functions must ensure a match between the SQL Server data type and the return data type of the implementation method

4. Scalar valued functions must ensure that the return type is a recordset

Select one:

- a. 3&4
- b. 1&3 (ans)
- c. 1&2&4
- d. 2&4

QUES 21

What does the generics constraint of type Interface do?

- 1. Forces type parameter to inherit the base class defined by the constraint
- 2. Forces type parameter to inherit the interfaces defined by the constraint
- 3. Ensures that the object passed as a parameter implements specific members
- 4. Forces type parameter to be a reference type object

Select one:

- a. 2&3&4 (ans)
- b. 1&4
- c. 2&3
- d. 1&2&4

page 20

Which statements are true about Extension Methods?

- 1. Extension methods are defined as protected methods
- 2. Extension methods are defined as static methods
- 3. Extension methods are called by instance method syntax
- 4. Extension methods are called like static methods

Select one:

- a. 1&4
- b. 1&2&3
- c. 2&3 (ans)
- d. 1&3&4

page 19

For the code snippet shown below, which of the following statements are valid? public class Generic<T>

```
{
```

```
public T Field;
```

```
public void TestSub()
```

```
{
```

```
Ti = Field + 1;
```

```
}
```

```
}
```

```
class MyProgram
```

```
{
```

```
static void Main(string[] args)
```

```
{
```

```
Generic<int> gen = new Generic<int>();
```

```
gen.TestSub();
```

```
}
```

```
}
```

Select one:

- a. Compiler will report an error: Operator '+' is not defined for types T and int. (ans)
- b. Addition will produce result 1.
- c. Program will generate run-time exception.
- d. Result of addition is system-dependent.

Page 18

Which statements are true about the following code?

```
class Contact
```

```
{
```

```
protected internal bool Active { get; set;}
```

```
}
```

```
sealed class CustomerStats:Contact
```

```
{
```

```
internal bool Gender { get; set;}
```

```
internal decimal Income { get; set;}
```

```
internal int NumberOfVisits { get; set;}
```

```
}
```

- 1.Objects in the same assembly have access to the protected internal member Active
- 2.Derived classes inside the assembly have access to protected internal member Active
- 3.Derived classes outside the assembly have access to protected internal member Active
- 4.Derived classes do not have access to protected internal members

Select one:

- a. 1&3&4
- b. 1&2&3 (ans)
- c. 2&4
- d. 1&3

page 17

What does the SELECT statement define?

- 1 The format of the database
- 2.The format of the result set. This is specified mostly in the select list
- 3.The tables that contain the source data. This is specified in the FROM clause
- 4.How the tables are logically related for the purposes of the SELECT statement. This is defined in the join specifications,which may appear in the WHERE clause or in an ON clause following FROM
- 5.The conditions that the rows in the source tables must satisfy to qualify for the SELECT statement. These are specified in the WHERE and HAVING clauses

Select one:

- a. 2&3&4&5 (ans)
- b. 3&5
- c. 1&3
- d. 1&2&5
- e. 1&2&4

ques 0

Which of the following are comparison operators'?

1.==

2.!

3.!=

4.>

5.<=

Select one:

a. 1&3&4&5 (ANS)

b. 1&2&3

C. 1&2&4&5

d. 3&4

ques 1

Which statements are true about themes?

1. Themes enable you to apply consistent style to pages in your website

2. Themes can be used to control navigation order between pages

3. Themes can be used to control the appearance of HTML elements

4. Themes can be used to control the appearance of ASP.NET controls

Select one:

a. 3&4

b. 1&3&4 (ans)

c. 1&2&3

d. 2&4

Which of the following are comparison operators?

1.==

2.!

3.!=

4.>

5.<=

Ans-1345

Where all can aggregate functions be used as expressions only?

1.The select list of a SELECT statement

2.A COMPUTE or COMPUTE BY clause

3.A USING clause

4.A HAVING clause

5.A ORDER BY Clause

Select one:

ans.1&2&4

Which of the following problems of non-generic collection does generics solve'?

1.Lack of flexibility

2.Lack of type safety

3.Lack of security

4.Lack of performance while using value types

Select one:

a. 2&4

b1&2&3

c. 1&3

d.1&4 (ans)

Which elements are used to create a menu?

1.select

2.menu

3.list

4.option

5.optgroup

Select one:

- a. 1&2&3&4(ans)
- b. 2&3
- c. 4&5
- d. 1&4&5

How do you make the events raised by child controls in a user control available to the host page?

Select one:

- a. By raising the events of each child control
- b. By declaring the event public
- c. By defining events for the user control & raising them so that the host page is notified of the event
- d. By writing a delegate in the host page

Ans- c

What are your observation on the following syntax?

for (Boolean expression: initializer: modifier)

{

statement(s)

}

The syntax is correct

- 2.initializer should be the first statement
- 3.initializer should be the last statement
- 4.boolean expression should be the second statement

Select one:

Ans-doubt

In what ways entities are like objects?

- 1.Entities have a known type
- 2.Entities have properties, and these properties can hold scalar values
- 3.Entity properties can hold references to other entities
- 4.Each entity has a distinct identity
- 5.Entities have primary keys that uniquely identify the entity

Select one:

- a. 1&2&3&4 (ans)
- b. 1&2&4&5
- c. 2&5
- d. 1&3&4&5
- e. 1&3&4

1. Which statements are true about check constraint?

- 1 A Check constraint Is used to limit the value that can be placed in a column
 - 2 A Check constraint Is used to de-limit the value that can be placed in a column
 - 3.Check constraint used to enforce the domain integrity
 - 4.Check constraint used to enforce the entity integrity
- a.2,4 b.1,3(ANS) c.3,4 d.1,2

2. What is the significance of the <area> tag?

- 1.The <area> tag defines the area inside a form.
 2. The <area> tag defines the area inside an image map.
 3. The <area> tag is always nested inside a <form> tag.
 4. The <area> tag is always nested inside a <map> tag.
- a.3,4 b.1,2,3 c.2,4(ans) d.2,3

3. What is a web service class derived from?

- 1.System Web UI Control
- 2.System Web Util
- 3 System.Web Services WebSefy1ce
- 4 System.Web UI Page(ans)

4. How is ArrayList different from array?

- 1 Both are same
- 2 Array List can increase automatically
- 3 Array List can work generically with any type
- 4 Array can work generically with any type

a.3,4 b.1,3,4 c.1,2 d.2,3(ANS)

5. What all steps are involved in creating CLR functions?

- 1.Define the function as a static method of a class in a language supported by the .NET Framework
- 2.Define the function as a protected method of a class in a language supported by the .NET Framework
- 3.Create the assembly in SOL Server by using the CREATE ASSEMBLY statement
- 4.Register the assembly in SOL Server by using the CREATE ASSEMBLY statement
- 5.Create the function that references the registered assembly by using the CREATE FUNCTION statement

- a. 4&5
- b. 1&4
- c. 2&4
- d. 1,3,5
- e. 1,4,5(ANS)

6. What does the following code denote?

```
public class CustomerList List<Customer>
```

```

{
public inf DistinctCities
{
get
{
ff compute number of unique cities
ff that customers live in
return 7;
}
}
}

```

- a. A Class that implements an Interface
- b. A Class that derives from a Value type
- c. A Class that derives from an Indexer
- d. A Class that derives from a Generic type(ANS)

7. Which statements are true about Collation?

- 1.Collation specifies how strings are sorted and compared
- 2.Collation specifies how integers are stored
- 3.The selection of collation is language dependent and addresses differences in the way characters are ordered
- 4.The default collation for a database is based on the server default, which is set during the installation of SQL Server

a 1,3,4(ANS)

- b. 1&4
- c. 1&3 d.2,3,4

8. Can we use components developed in VB6.0 in ASP.NET?

Select one:

- a. Yes; you can use VB6.0 components using COM Callable Wrapper (COW)
- b. Yes; at the assembly level components developed in VB6.0 are same as components developed in .NET, hence they can be used as any other .NET component
- c. You cannot use components developed in VB6.0 in ASP.NET
- d. Yes you can use VB6.0 components using Runtime Callable Wrapper (RCW)(ANS)

9. What are the advantages of using .NET components over components developed in older technologies?

- 1.No registration required
- 2.No restart required
- 3.Components cannot be deleted
- 4.multiple version of components can exist

Select:

- a.1,2 b.2,3 c.1,4(ANS) d.1,3,4

.

10. A function returns a value, whereas a subroutine cannot return a value.State True or False.

Ans: True

11.Which of the following statements are correct about delegates?

Select one:

- 1.Delegates cannot be used to call a static method of a class.
- 2.If signatures of two methods are the same they can be called through the same delegate object(ANS)
- 3.Delegates can be used to call procedures that receive variable number of arguments
- 4.Delegates cannot be used to call an instance function .Delegates cannot be used to call an instance subroutine.

12. What you have understood from the following code? class Test Form { }

Select one:

- a. Creates the class form that inherits the class Test
- b. All of the listed options
- c. Creates the class Test that inherits the class Form - correct answer
- d. Creates the class Test Form

14. Identify the benefits of implementing EDM in data - intensive .NET projects

1.Generates a data access layer that isolates the data domain from the application domain

2.Handles relational database vendor or schema changes without the need to alter C# or VB source code and recompile the project

3.Models relational database concepts such as triggers & jobs

4.Models object-oriented concepts such as inheritance and hierarchical (nested) or polymorphic result sets,

which don't fit the relational model

Select: a.1,2 b.1,4 c.1,2,4 d.2,3

Ans:c

15.Which statements are true about a multistatement scalar function?

- 1.There is no function body, no declaration
- 2 The function body defined in BEGIN...END block contains a series of T-SQL statements
- 3.The scalar value is a result of a single statement with multi value
- 4.The scalar value is a result of all the statements in the BEGIN...END block

Select one:

- a. 2&4(ANS) b. 1&2
- c.1&3 d. 3&4

3.What are the steps for creating partition tables & indexes?

- 1.Create a partition function to specify how a table or index that uses the function can be partitioned
- 2 Create a partition function to specify the placement of the partitions of a partition function on filegroups
- 3.Create a partition scheme to specify the placement of the partitions of a partition function on filegroups

4.Create a partition scheme to specify how a table or index that uses the function can De partitioned

5.Create a table or index using the partition scheme

a 1&3&5(ANS) b. 2&3&4 c. 2&3&4 d.1&2&4 e.2&5

4. What can be used by the browser to recognize who returns back to a website after several hours?

a.Session variables b.cookies(ans) c.Local variables d.Application variables

5. Can we use components developed in .NET in legacy applications like VB6.0?

Select one:

- a. You cannot use components developed in .NET in VB6.0
- b. Yes; at the assembly level components developed in .NET are same as components developed in VB6.0 can be used in VB6.0
- c. Yes; you can use .NET components in VB6.0 using Runtime Callable Wrapper (RCW)
- d. Yes you can use .NET components in VB6.0 using COM Callable Wrapper (CCW)(ANS)

6. What does the following code denote?

`var premium = from customer in Customers where customer.Grade == 'Premium' select customer.Name`

1.The following code is an example of Database query

2 The following code is an example of LINQ query

3.The following code shows the syntax for Ordering data

4.The following code shows the syntax for Filtering data

a.1&3 b.1&4 c.3&4

d.2&4(ans)

7. A class implements two interfaces each containing three methods. The class contains no instancedata.Which_of_the_following correctly indicate the size of the object created from this class?

a.24 bytes b.8 bytes c.0byte(ANS) d.12 bytes

8. Which alt controls in ASP.NET can be used to display text in a page?

1.ListBox

2.Label

3.Literal

4.CheckBoxList

a.2&4 b.1&2&3 c.1&4 d.2&3(ans)

9. SQL_Server consists of which of the following three types of files?

1.Primary_data_files

2.Secondary_data_files

3.Hidden files

4.Log files

Select : a.1,2,4(ans) b.4 c.1,3,4 d.1,2,3,4

10. What all activities happen during the Start stage of the page life cycle?

1.Request and Response page properties are set

2 The page determines whether the request is a postback or a new request

3.The page_load event is called

4. The page sets the isPostBack property

Select: a.1,2 b.3,4 c.1,2,4 d.2,3,4(ans)

11. INTO statement in the SELECT CLAUSE will?

a. Sort query result by one or more columns

- b. Calculate the summary value for each group
- c. Specifies a search condition for the group by column
- d. .creates a new table and inserts the resulting rows from the query into it (ans)

12. Which method of the Role class will enable you to add an array of users to a role?

- a. AddUsersToRoles
- b. AddUsersToRole(ANS)
- c. AddUserToRole
- d. AddUserToRoles

13. using System;

struct SimpleStruct

{

protected int xval;

public int X

{

get

{

return xval;

}

set

{

if (value < 100)

xval=value;

}

}

Public void DisplayX()

{

Console.WriteLine("The stored value is :{0}",xval);

}

}

1. Following code is an example of a class
2. Following code is an example of a struct
3. Struct members can be inherited
4. Struct members can be declared as protected

a. 1,3 b. 2,4(ans) c. 1,2 d. 1,2,4

14. Which all permission types are applicable to functions?

1.SELECT 2.INSERT 3.UPDATE 4.DELETE 5.EXECUTE(scalar)

a. 1,2,5 b. 3,5 c. 1,5(ans) d. 3,4

15. What is the significance of Sequence Containers? Please choose all the relevant options

1. They define a repeating control flow in a package
2. They define conditions in a package
3. They define a control flow that is a subset of the package control flow
4. They group the package into multiple separate control flows, each containing one or more tasks and within the overall package control flow

a. 1,2,3

b. 3&4 (ans)

c. 2&4

d. 1&3

16. Which of the following are the correct ways to declare a delegate for calling the function func() defined in the sample class

given below?

```
class Sample
```

```
{
```

```
public int func(int i, Single j)
```

```
{
```

```
    r Add code here. ~/
```

```
}
```

```
}
```

Select one:

- a. delegate int d(int i Single j)(ans)
- b. delegate void (int i, Single j);
- c. delegate d(int i, Single j);
- d. delegate void d(int, Single);

17. Which alt data types cannot be return types of a scalar function?

1.text

2.ntext

3.integer

4.image

5.Cursor

a.1,2,4,5(ans) b.1,2,3,4 c.2,4,5 d.1,2,4 e.1,3,5

18. Which control lets you display a progress indicator while an Update Panel is updating its content?

- a. Update Panel control
- b.ScriptManager Control
- c.Update Status control
- d.Update Progress Control(ans)

19. Which of the statements are true about Fields?

- 1.Fields represent the Data portion of the class
2. Fields are declared in methods
- 3.They are the state of an object 4.They are the members of the class

a.1,4(ans) b.2,3 c.1,3,4 d.1,2,4

20. What happens when a button placed in the UpdatePanel control is clicked?

- 1.The page is posted back to the server
- 2.UpdatePanel sends the details of button_click event to the server via postback
- 3.UpdatePanel hijacks the button_click event
- 4.UpdatePanel performs a Ajax call instead of normal postback

Select one:

a.3,4(ans) b.1,4 c.1,2 d.2,3

21. What are the conditions for assemblies created by using EXTERNAL ACCESS permission sets?

- 1.The assembly code should be type"-safe
- 2.The assembly should contain only static data members in its classes unless they are marked as
- 3.The classes in the assembly must contain finalizer methods
- 4.The classes or methods of the assembly should be annotated only with allowed code attributes

Choose: a.1,4(ans) b.3,4 c.2,3 d.1,3,4

22. What does the following code denote?

```
enum Weekday { Mon = 1, Tue, Wed, Thu, Fri, Sat = 10, Sun }
```

```
Weekday Sunday = (Weekday)Enum.ToObject(typeof(Weekday),
```

Select one:

- a Conversion of integer to enum types
- b. Conversion of string to enum types
- c .Conversion of enum types to string(ANS)
- d. Conversion of enum types to integer.

23. Which of the following statements is correct about an Exception?

Select one:

- a It occurs during linking.
- b. It occurs during Just-In Time compilation
- c. It occurs during compilation
- d .it occurs at run-time(ANS)

24. Which statements are true about App_LocalResources folder?

- 1.Alf the resource files to be associated with a page must be added to App_LocalResources folder
- 2App_LocalResources folder must contain the application config file
- 3.The application config file must contain details of the App_LocalResources folder
- 4 App_LocalResources folder is created in the same folder as the page you want to localize

CHOOSE;

- a.3,4 b.2,3 c.1,2,3 d.1,4(ans)

25. What does the following code denote?

DECLARE @odetails orderdetails;

SELECT @odetails = orderdetails:.GetFirstitem();

PRINT @odetails.ToString();

- 1.it denotes usage of Scope Resolution operator
- 2 it denotes usage of Compound operator

- 3.The operator is denoted by a "::. symbol
- 4.The operator provides access to public non static members of a compound
- 5.The operator provides access to static members of a compound data type

Select:

- a 3&4&5
- b. 1&3&5
- C. 2&3&5
- d 4&5
- e.1,2,4

26. What is the significance of <fieldset> element?

- 1.The <fieldset> element groups thematically related controls and labels
- 2 The <fieldset> element inserts fields in pages
- 3.The usage of this element makes documents more accessible
4. The usage of this element makes documents more scalabale

Select one:

- a. 2&4
- b .1&3(ANS)
- C. 3&4
- d. 1&2

27. Which of the following is the feature of a local variable?

Select one:

- a. It can be used anywhere in the program

- b. It represent the class object
- c. It must accept a class
- d. It must be declared within a class(ANS)

28. What all expressions are used to create a computed column?

1.Subquery 2. Computed column name 3.Constant 4.Function

Choose:

a.1,2,3 b.2,3 c.2,3,4(ANS) d.1,4

CHN_FIRST PART

1. In ADO.NET which objects are involved in connected mode operations?

- 1.DataSet
- 2.Data Reader
- 3.Command
- 4.Connection

Select one:

a.3,4 b.1,2 c.2,3(ans) d.1,3,4

2. Which all statements are true about on client click property?

- 1.It is applicable to Check Box control, radio box control
- 2. It is applicable to Button, link Button and image button controls
- 3. It executes a javascript on the client side on click of the control.
- 4.It executes a server side script on click of the control

Select:

a.2,3(ans) b.2,4 c.1,4 d.1,3,4

What all services does an Entity Framework provide?

- 1.Query services
- 2.ClientView services
- 3.Remoting Services
- 4.Persistence services
- 5.Object services

2&3&4&5

1&2&4&5

1&4

1&2&4

1&3&5

Answer: 1&2&4&5

What statements are applicable to Panel control?

- 1.It can be used as a container to other controls
- 2.It is rendered as an HTML element
- 3.It is rendered as an HTML <div> element
- 4.It displays a link to another page

1&2

2&3&4

1&3&4

1&3

Answer: 1&3

Which statements are true about Indexers?

1. Indexers like Properties have get and set accessors
2. Indexers like Arrays use square bracket syntax to access members
3. Indexers are Read-Only
4. Indexers like Methods can have parameters

1&2

1&2&4

3&4

2&3&4

Answer : 1&2&4

How can you override Skin properties?

1. By applying a Theme to a page with the MasterPage attribute

- 2.By applying a Theme to a page with the Skin attribute
- 3.By applying a Theme to a page with the Theme attribute
- 4.By applying a Theme to a page with the StyleSheetTheme attribute

Answer: 4

What does the following code denote?

```
var orderedCustomers = from customer in Customers where customer.Grade == "Premium" orderby  
customer.Name select customer.Name;
```

- 1.The following code is an example of Database query
- 2.The following code is an example of LINQ query
- 3.The following code shows the syntax for Ordering data
- 4.The following code shows the syntax for Filtering data

1&3&4

1&2&3

1&4

2&3&4 ----Ans

- 1.Themes are created by adding a folder in App_Themes folder
- 2.Themes are created by adding a folder in App_Directory folder
- 3.Each folder that you add to the App_Directory folder represents a different Theme
- 4.Each folder that you add to the App_Themes folder represents a different Theme

1&4 -----Ans

3&4

1&2&4

2&3

Carefully read the question and answer accordingly.

What are your observations on the following code?

```
interface IImage
```

```
{
```

```
    void Paint();
```

```
}
```

```
struct Picture : IImage
```

```
{
```

```
    public void Paint()
```

```
    {
```

```
        // painting code goes here
```

```
    }
```

```
    private int x, y, z; // other struct members
```

```
}
```

1. Following code is an example of a class

2. Following code is an example of a struct

3.Following code shows how struct implements an interface

4.Following code denotes polymorphism

1&4

2&4

1&3

2&3 -----Ans

On what parameters will you choose a cursor type?

- 1.Size of the result set
- 2.Size of the Database
- 3.Percentage of data needed
- 4.Need for cursor operations
- 5.Level of visibility to data modified by other users

2&4

1&3&5

4&5

2&3&4

1&3&4&5

Answer : 1&3&4&5

How are Null values handled in Joins?

1. When there are null values in the columns of the tables being joined, null value of the right table is matched with the null value of the left table
2. When there are null values in the columns of the tables being joined, the null values do not match each other
3. The presence of null values in a column from one of the tables being joined can be returned only by using an inner join
4. The presence of null values in a column from one of the tables being joined can be returned only by using an outer join
5. When null values are present in data being joined, it is usually preferable to omit them from the results by using a regular join

3&5

1&3&4

1&3

2&4&5 -----Ans

2&3

What does the following code denote?

```
enum Weekday { Mon = 1, Tue, Wed, Thu, Fri, Sat = 10, Sun }
```

```
dayStr = Enum.GetName(typeof(Weekday), Weekday.Thu);
```

1. Conversion of string to enum types
2. Conversion of enum types to integer
3. Conversion of enum types to string
4. Conversion of integer to enum types

Answer : 3

Which of the following two are name types of SQL Server files ?

1. physical_file_name
2. logical_file_name
3. primary_file_name
4. os_file_name

Answer : 2&4

Which statements are true about CROSS APPLY operator?

1. CROSS APPLY operator is a mechanism to allow a developer to correlate a table valued function to another table
2. CROSS APPLY operator is a mechanism to allow a developer to correlate a table valued function to a stored procedure of another database
3. CROSS APPLY returns only rows from the outer table that produce a result set from the table-valued function
4. CROSS APPLY returns both rows that produce a result set, and rows that do not, with NULL values in the columns produced by the table-valued function

3&4

1&2&4

2&3

1&3 -----Ans

Which statements are true full outer joins?

- 1.The FULL JOIN keyword returns all the rows from the left table, and all the rows from the right table .
- 2.There are rows that do have matches, those rows will be listed as well.
- 3.There are rows that do not have matches, those rows will be listed as well.
- 4.The FULL JOIN keyword not returns the rows from the left table, and all the rows from the right table .

1&2

3&4

2&4

1&3 -----Ans

allows you to create dynamically generated web pages from the server side using a scripting language such as VBScript or JavaScript.

CGI

HTML

ASP -----Ans

SGML

Which statements are true about CROSS APPLY operator?

1. CROSS APPLY operator is a mechanism to allow a developer to correlate a table valued function to another table
2. The set of rows can be either a number or percentage and decimal value
3. Specifies that only the last set of rows will be returned from query result
4. TOP clause cannot be apply with the variable

1&4

1&2

only 1 ----Ans

2&3&4

What are the advantages of partitioning an ASP.NET web page?

1. Individual members of the development team can work on separate, individually-owned parts
2. Developers can work within environments that are familiar
3. Database administrators can create database related tasks independently
4. Web Authors can use HTML development tools to build the interface

1&2&4

3&4

2&3

1&4

How can you display dates with language specific month names?

By modifying the Culture property - Ans

By modifying the web.config file

You cannot display dates with language specific month names

By modifying the UICulture property

[?9/?25/?2015 4:29 PM] Pincha, Deepak (Cognizant):

Where all can aggregate functions be used as expressions only?

- 1.The select list of a SELECT statement
- 2.A COMPUTE or COMPUTE BY clause
- 3.A USING clause
- 4.A HAVING clause
- 5.A ORDER BY clause

3&5

3&4

1&2

1&3&5

1&2&4 -----Ans

[?9/?25/?2015 4:36 PM] Pincha, Deepak (Cognizant):

Carefully read the question and answer accordingly.

Where all can CLR functions be used?

1. CLR functions can be used to access external files
2. CLR functions can be used to access network resources
3. CLR functions can be used to configure the instance of SQL server
4. CLR functions can be used to access Web Services
5. CLR functions can be used to connect to other databases

4&5

1&2&4&5 -----Ans

2&4

2&3&4&5

1&3&5

Carefully read the question and answer accordingly.

Where all clustered indexes are useful?

1. For remotely used queries
2. For frequently used queries
3. For providing a high degree of uniqueness

- 4. Where the requirement is for range queries
- 5. For providing high degree of efficiency

Ans : 2,3,4

Which of the following statements are applicable to built-in table-valued functions?

- 1. The invocation of built-in user-defined functions is always qualified with the sys schema qualifier
- 2. The invocation of built-in user-defined functions can be either unqualified or can use the sys schema qualifier
- 3. You should use the sys schema qualifier because it prevents conflicts with user-defined functions of the same name
- 4. You should use the sys schema qualifier because it suppresses user-defined functions of the same name

1&2&3

1&4

2&3 -----Ans

3&4

What does the generics constraint of type Interface do?

1. Forces type parameter to inherit the base class defined by the constraint
2. Forces type parameter to inherit the interfaces defined by the constraint
3. Ensures that the object passed as a parameter implements specific members
4. Forces type parameter to be a reference type object

2&3&4 -----Ans

1&2&4

2&3

1&4

What is the significance of System.Web.Services.Discovery namespace?

It consists of the classes that enable Web Service consumers to locate available Web Services -----Ans

It consists of the classes used to define the protocols that enable message transmission over HTTP between ASP.NET Web Services and ASP.NET Web Service clients

It contains the classes needed to describe a Web Service

It contains the classes needed to configure a Web Service

What are the conditions for assemblies created by using EXTERNAL ACCESS permission sets?

1. The assembly code should be type-safe
2. The assembly should contain only static data members in its classes unless they are marked as read-only
3. The classes in the assembly must contain finalizer methods
4. The classes or methods of the assembly should be annotated only with allowed code attributes

2&3

1&4 -----Ans

1&3&4

3&4

Which statements are true about nonclustered indexes with respect to partitions?

- 1.Nonclustered indexes have one row in sys.partitions with index_id >0 for each partition used by the index
- 2.Nonclustered indexes have one column in sys.partitions with index_id >0 for each partition used by the index
- 3.By default, a nonclustered index has a single partition
- 4.By default, a nonclustered index has multiple partitions
- 5.Each partition has a B-tree structure that contains the index rows for that specific partition

Answer : 1,3,5

What does the generics constraint of type Interface do?

- 1.Forces type parameter to inherit the base class defined by the constraint
- 2.Forces type parameter to inherit the interfaces defined by the constraint
- 3.Ensures that the object passed as a parameter implements specific members
- 4.Forces type parameter to be a reference type object

Ans : 2,3,4

What does the below Query do ?

```
INSERT INTO docs SELECT 10, xCol FROM (SELECT * FROM OPENROWSET (BULK  
'C:\temp\xmlfile.xml', SINGLE_BLOB) AS xCol) AS R(xCol)
```

A new row is inserted into the table named docs -----Ans

Querying and Modifying XML Data

It is typed XML insert statement

Storing XML Data Generated Using FOR XML with TYPE Directive

What does the following code denote?

```
public class Contact  
{  
    public string Name { get; set; }  
    public string Email { get; set; }  
    public string Address { get; set; }  
    public string City { get; set; }  
  
    protected string FullAddress()  
    {  
        return Address + ' ' + City;  
    }  
}
```

```

class Customer : Contact
{
    public string GetAddressDetails()
    {

        string fullAddress = FullAddress();
        // Some statements

        return fullAddress;
    }
}

```

- 1.It is an example of polymorphism
- 2.It shows how a method in base class can be used in the derived class
- 3.It shows how a method in base class is hidden from the user
- 4.It is an example of inheritance

1&2&4

2&4 -----Ans

1&3

1&2&3


```
public class Sample
{
    [WebMethod]
    public string CompanyName()
    {
        return "Cognizant";
    }
}
```

It is an example of a Windows service

It is an example of a web method of an aspx page

It is an example of a remoting client

It is an example of a web method of a web service -----Ans

What does the following code snippet do?

```
<configuration>
<system.web>
    <roleManager enabled="true" />
    <authentication mode="Forms" />
</system.web>
</configuration>
```

It enables AuthorizationStoreRoleProvider

It enables WindowsTokenRoleProvider -----Ans

It enables SqlRoleProvider

It enables ActiveDirectoryRoleProvider

What are the advantages of partial classes?

1. When multiple deployments are required
2. When working on large projects, spreading a class over separate files allows multiple programmers to work on it simultaneously
3. When multiple versions of assembly are required
4. When working with automatically generated source, code can be added to the class without having to recreate the source file

iska ans 2 hoga?

2&3

1&3

2&4 -----Ans

1&3&4

Which statements are true about an inline table-valued function?

1. There is no function body
2. The function body defined in BEGIN...END block contains a series of T-SQL statements

3.The table is the result set of a single SELECT statement

4.The table is the result set of a multiple SELECT statements

1&3&4

1&2

2&4

1&3 ----- Ans

```
var conn = new SqlConnection("Data Source=INDIA;Initial Catalog=Products;Integrated Security=True");
```

Instantiation a new catalog

Instantiation a new Sql database

Instantiation a new Sql table

Instantiation a new SqlConnection object

answer:Instantiation a new SqlConnection object

Carefully read the question and answer accordingly.

What does the following code do?

```
enum Month: byte
```

```
{
```

```
    January,
```

```
    February,
```

```
    March,
```

```
    April,
```

```
    May,
```

```
    June,
```

```
    July,
```

```
    August,
```

September,

October,

November,

December

};

1. Declares an enum
2. Change the integral type for each member from int to byte
3. Inherit enum from type byte
4. Generates an error

1&2

2&3

1&4

3&4

answer: 1 and 4

6)

What are your observations on the following syntax?

for (Boolean expression; initializer; modifier)

{ { }

statement(s)

{ }

1. The syntax is correct
2. initializer should be the first statement
3. initializer should be the last statement
4. boolean expression should be the second statement

1&4

1&3&4

2&3

2&4

answer:2&4

7)How are stored procedures similar to procedures developed in other programming languages?

- 1.Accept input parameters and return multiple values in the form of output parameters to the calling procedure or batch
- 2.Contain programming statements that perform operations in the database, including calling other procedures
- 3.Return a status value to a calling procedure or batch to indicate success or failure
- 4.Can be interpreted externally

1&2&3

2&3&4

1&4

answer:1,2,3

9)Carefully read the question and answer accordingly.

What is the significance of the Results pane of the Query designer?

- 1.It shows a grid with data retrieved by the query or view
- 2.It shows the results of the most recently executed SELECT query
- 3.It shows the query syntax
- 4.You can modify the database by editing values in the cells of the grid
- 5.You can add or delete rows

1&3&5

2&3&5

1&2&5

1&2&3&4

1&2&4&5

Ans:1,2,4,5

10)

What does the below Query do ? INSERT INTO docs SELECT 10, xCol FROM (SELECT * FROM OPENROWSET (BULK 'C:\temp\xmlfile.xml', SINGLE_BLOB) AS xCol) AS R(xCol)

A new row is inserted into the table named docs

Querying and Modifying XML Data

It is typed XML insert statement

Storing XML Data Generated Using FOR XML with TYPE Directive

answer:A new row is inserted into the table named docs

11)Which all data types cannot be return types of a scalar function?

1.text

2.ntext

3.integer

4.image

5.Cursor

2&4&5

1&2&4&5

1&2&4

1&2&3&4

1&3&5

Ans:1,2,4,5

12)Carefully read the question and answer accordingly.

Identify statements that are applicable to AutoPostBack attribute.

- 1.It automatically submits form to the server
- 2.It submits form only on click of a button
- 3.It submits form on execution of a client script
- 4.Too many AutoPostBacks hamper the overall performance

3&4

1&2&4

1&4

2&3

Ans:1,4

Which controls can be used to submit form data to the server?

- 1.CheckBox
- 2.Button
- 3.Image
- 4.ImageButton
- 5.LinkButton

Ans:2,4,5

Which is/are the statement/statements true about the TOP Clause?

1. The TOP expression can be applied in select ,insert ,update and delete statements
- 2.The WHERE clause of the outer query tests whether data exists in the subquery for each row of the outer query
- 3.The subquery returns a list of rows that match the criteria
- 4.The subquery returns a value of TRUE or FALSE --124

What does AuthorizationStoreRoleProvider do?

Enables you to use Authorization Manager to store role information in an XML file, Active Directory, or Activity Directory Application Mode

Enables you to use Microsoft Windows groups to represent role information

Enables you to use ActiveDirectory to represent role information

Enables you to store role information in a Microsoft SQL Server database

Ans:1

Which statements are true about nonclustered indexes with respect to partitions?

1.Nonclustered indexes have one row in sys.partitions with index_id >0 for each partition used by the index

2.Nonclustered indexes have one column in sys.partitions with index_id >0 for each partition used by the index

3.By default, a nonclustered index has a single partition

4.By default, a nonclustered index has multiple partitions

5.Each partition has a B-tree structure that contains the index rows for that specific partition

2&5

1&3

1&3&5

1&2&3

2&3&4 ---135

What are the advantages of partial classes?

1.When multiple deployments are required

2.When working on large projects, spreading a class over separate files allows multiple programmers to work on it simultaneously

3.When multiple versions of assembly are required

4.When working with automatically generated source, code can be added to the class without having to recreate the source file

2&3

1&3

2&4 --24

1&3&4

Which statements are true about an inline table-valued function?

1. There is no function body
2. The function body defined in BEGIN...END block contains a series of T-SQL statements
3. The table is the result set of a single SELECT statement
4. The table is the result set of a multiple SELECT statements

1&3&4

1&2

2&4

1&3 --13

What are the benefits of using a Unique index?

1. It is less error prone
2. Data integrity of the defined columns is ensured
3. Additional information helpful to the query optimizer is provided
4. The performance is not degraded

3&4

2&3

1&2&4

1&4 --23

Carefully read the question and answer accordingly.

Can we use components developed in .NET in legacy applications like VB6.0?

Yes; you can use .NET components in VB6.0 using Runtime Callable Wrapper (RCW)

Yes; you can use .NET components in VB6.0 using COM Callable Wrapper (CCW)

You cannot use components developed in .NET in VB6.0

Yes; at the assembly level components developed in .NET are same as components developed in VB6.0, hence they can be used in VB6.0

Ans:RCW

Carefully read the question and answer accordingly.

How are HTML server control classes categorized in the HTML hierarchy?

- 1.The classes that mimic the HTML <ref> tag
- 2.The classes that mimic the HTML <input> tag
- 3.The classes that may act as container classes
- 4.The HtmlImage class

1&3&4

1&2&3

2&4

2&3&4

Ans:2,3,4

Carefully read the question and answer accordingly.

Which are the characteristics of a FOREIGN KEY constraint?

- 1.It identifies unique values in a table
- 2.It identifies & enforces relationship between tables
- 3.A foreign key in one table points to a candidate key in another table
- 4.Specifies a Boolean search condition that is applied to all values that are entered for the column
- 5.You cannot insert a row with a foreign key value, except NULL, if there is no candidate key with that value

2&4

1&3&5

3&5

2&3&5

1&3&4

Ans:2,3,5

Carefully read the question and answer accordingly.

What does the following code denote?

```
public string this[int i]
{
    get
    {
        if (i >= 5 && i < 25)
        {
            return customerNames [i];
        }
        return null;
    }

    set
    {
        if (i >= 5 && i < 25)
        {
            customerNames [i] = value;
        }
    }
}
```

Usage of an Array

Usage of an Indexer

Usage of a Property

Usage of a Method

Ans: Usage of a Property

What is the significance of <fieldset> element?

1. The <fieldset> element groups thematically related controls and labels
2. The <fieldset> element inserts fields in pages

- 3.The usage of this element makes documents more accessible
- 4.The usage of this element makes documents more scalable

Ans:1,3

Which of the following statements are applicable to built-in table-valued functions?

- 1.The invocation of built-in user-defined functions is always qualified with the sys schema qualifier
- 2.The invocation of built-in user-defined functions can be either unqualified or can use the sys schema qualifier
- 3.You should use the sys schema qualifier because it prevents conflicts with user-defined functions of the same name
- 4.You should use the sys schema qualifier because it suppresses user-defined functions of the same name

Ans:2,3

Which statements are true about nonclustered indexes with respect to partitions?

- 1.Nonclustered indexes have one row in sys.partitions with index_id >0 for each partition used by the index
- 2.Nonclustered indexes have one column in sys.partitions with index_id >0 for each partition used by the index
- 3.By default, a nonclustered index has a single partition
- 4.By default, a nonclustered index has multiple partitions
- 5.Each partition has a B-tree structure that contains the index rows for that specific partition

2&5

1&3

1&3&5

1&2&3

2&3&4

Ans:1,3,5

What is Type marshalling?

Type marshalling is the mapping of types from Web Service method calls to .NET intrinsic datatypes

Type marshalling is the mapping of Web Service method calls to SOAP datatypes

Type marshalling is consuming of types from Web Service method calls

Type marshalling is the mapping of types from Web Service method calls to SOAP datatypes

Ans:d

Carefully read the question and answer accordingly.

_____ allows you to create dynamically generated web pages from the server side using a scripting language such as VBScript or JavaScript.

SGML

CGI

ASP

HTML

Ans:Asp

Carefully read the question and answer accordingly.

Which all are the most severe exceptions?

1.ExecutionEngineException

2.InvalidCastException

3.StackOverflowException

4.OutOfMemoryException

1&2&4

1&3

1&3&4

2&4

Ans:1,3,4

How are HTML server control classes categorized in the HTML hierarchy?

- 1.The classes that mimic the HTML <ref> tag
- 2.The classes that mimic the HTML <input> tag
- 3.The classes that may act as container classes
- 4.The HtmlImage class

Ans:2,3,4

What will happen if there is an implementing partial without a defining partial in a partial method?

Compiler generates an error

Compiler will consider the implementing partial as a normal method and compile the code

Compiler will generate the defining partial

Compiler omits the code

Ans: Compiler generates an error

Which are the different elements of a WSDL?

- 1.types
- 2.enumerators
- 3.message
- 4.portType
- 5.binding

2&3&4

1&2&4&5

1&2&4

1&3&4&5

3&4&5

Ans:1,3,4,5

Which all statements are true about the ability of SQL Server to execute CLR code?

- 1.The ability to execute CLR code is enabled by default
- 2.The ability to execute CLR code is disabled by default
- 3.References to create, alter, and drop database objects that reference managed code modules will not execute in SQL Server unless CLR execution is enabled
- 4.References to create, alter, and drop database objects that reference managed code modules will get executed automatically by SQL Server

2&3

3&4

1&3

1&2

Ans:2,3

Which namespaces may cause the failure of a database collation change if duplicate names result from the changed collation?

- 1.Referential integrity constraints
- 2.Schema names
- 3.Scalar-type names such as system and user-defined types
- 4.Index names across multiple tables
- 5.Full-text catalog names

4&5

2&3&5

2&3&4

3&4

1&2&3

Ans:2,3,5

How are Null values handled in Joins sql server 2008?

1. When there are null values in the columns of the tables being joined, null value of the right table is matched with the null value of the left table
2. When there are null values in the columns of the tables being joined, the null values do not match each other
3. The presence of null values in a column from one of the tables being joined can be returned only by using an inner join
4. The presence of null values in a column from one of the tables being joined can be returned only by using an outer join
5. When null values are present in data being joined, it is usually preferable to omit them from the results by using a regular join

3&5

2&5

2&4&5

1&3

1&2&4

Ans: 2,4,5

How are HTML server control classes categorized in the HTML hierarchy?

- 1.The classes that mimic the HTML <ref> tag
- 2.The classes that mimic the HTML <input> tag
- 3.The classes that may act as container classes
- 4.The HtmlImage class

1&2&3

1&3&4

2&3&4

2&4

Ans:2,3,4

Which statements are true about the expression used in precedence constraints?

- 1.The expression must evaluate to an integer
- 2.The expression must evaluate to true or false
- 3.The expression can use literals, system & custom variables
- 4.The expression can use stored procedures
- 5.The expression can use functions & operators that SSIS grammar provides

2&3&5

1&4&5

1&3&4

2&4

1&2&5

Ans:2,3,5

What is the significance of hidden controls? Please choose all the relevant options

- 1.They are controls that are not rendered but whose values are submitted with a form
- 2.They are controls that are rendered but whose values are not submitted with a form
- 3.This control type is used to store information between client/server exchanges that would otherwise be lost due to the stateless nature of HTTP
- 4.The frameset element is used to create a hidden control
- 5.The input element is used to create a hidden control

1&2

1&2&3&5

2&4&5

1&3&5

3&4

Ans:1,3,5

What are your observations on the following code snippet?

table, th, td

```
{  
    border: 1px solid black;  
}
```

- 1.border property is used to specify table borders
- 2.border property is used to specify page border
- 3.black color is assigned to the table element
- 4.black color is assigned to the td element
- 5.black color is assigned to the tr element

3&5

1&2&3

1&2&5

1&3&4

2&4&5

Ans:1,3,4

What are the forms in which LINQ queries can be created?

- 1.Relational data syntax
- 2.Intrinsic data syntax
- 3.Query-Expression syntax
- 4.Method-based query syntax

Ans:3,4

Which controls can be used to submit form data to the server?

- 1.CheckBox
- 2.Button

3.Image

4.ImageButton

5.LinkButton

1&3

1&2&5

2&4&5

3&4&5

2&3&5

Ans:2,4,5

Which statements are true about @@FETCH_STATUS function?

1.It returns the status of the last cursor FETCH statement issued against any cursor currently opened by the connection

2.It returns the status of the first cursor FETCH statement issued against any cursor currently opened by the connection

3.It is a deterministic function

4.It is a nondeterministic function

only 1

1&3&4

2&3&4

1&4

Ans:1,4

In ADO.NET which objects enable disconnected mode operations?

1.DataSet

2.Data Reader

3.Data Adapter

4.Command

Ans: 1,3

Which statements are true about Out parameters?

- 1.Out parameters must be definitely assigned before calling the method
- 2.Out parameters don't need to be definitely assigned before calling the method
- 3.Out parameters must be definitely assigned before the method returns
- 4.Out parameters value need not change before the method returns

3&4

1&2

2&3

1&3&4

Ans:2,3

What is the significance of Culture property of a page class?

The Culture property is used to specify which resource files are loaded for the page

The Culture property determines how resource files are used for formatting dates, numerals,and currency amounts

The Culture property determines the default culture of the operating system

The Culture property determines how strings such as dates, numerals,and currency amounts are formatted

Ans:4

An instance variable:

is a property of class

is a method of a class

is an object of a class

represents an attribute of an object

Ans: 4(doubt about option 1)

What are your observations on the following code snippet?

table, th, td

```
{  
border: 1px solid black;  
}
```

- 1.border property is used to specify table borders
- 2.border property is used to specify page border
- 3.black color is assigned to the table element
- 4.black color is assigned to the td element
- 5.black color is assigned to the tr element

2&4&5

1&3&4

1&2&5

1&2&3

3&5

Ans:1,3,4(doubt)

Which statements are true about @@FETCH_STATUS function?

- 1.It returns the status of the last cursor FETCH statement issued against any cursor currently opened by the connection
- 2.It returns the status of the first cursor FETCH statement issued against any cursor currently opened by the connection
- 3.It is a deterministic function
- 4.It is a nondeterministic function

only 1

1&3&4

2&3&4

1&4

Ans:1,4

Which statements are true about Computed columns?

- 1.By default, computed columns are not physically stored in the table

- 2.Values are retrieved from the internal database cache when they are referenced in a query
- 3.Values are recalculated every time they are referenced in a query
- 4.A computed column once created cannot be persisted at a later stage
- 5.The Database Engine uses the PERSISTED keyword in the CREATE TABLE to physically store computed columns in the table

1&3&5

1&2&4

3&5

1&5

2&4

Ans: 1,3,5

What is the significance of Culture property of a page class?

The Culture property is used to specify which resource files are loaded for the page

The Culture property determines how resource files are used for formatting dates, numerals,and currency amounts

The Culture property determines the default culture of the operating system

The Culture property determines how strings such as dates, numerals,and currency amounts are formatted

Ans:4

What does the LOCAL argument in the DECLARE CURSOR statement denote?

1.Specifies that cursor can be available only in the batch, stored procedure, or trigger in which the cursor was created

2.Specifies that cursor can be available to all local resources

3.The LOCAL cursor will be implicitly deallocated when the batch, stored procedure, or trigger terminates

4.The LOCAL cursor will have to be explicitly deallocated when the batch, stored procedure, or trigger terminates

2&3

1&2

1&3

1&3&4

Ans:1,3

What are your comments on the following code?

```
Hashtable openWith = new Hashtable();
```

```
openWith.Add("txt", "notepad.exe");
```

```
openWith.Add("bmp", "paint.exe");
```

```
openWith.Add("bmp", "paint.exe");
```

```
openWith.Add("rtf", "wordpad.exe");
```

1.It is an example of Hashtable

2.It is an example of ArrayList

3.Hashtable cannot have duplicate keys

4.Hashtable cannot have duplicate values

2&4

1&3

1&2

3&4

Ans:1,3

Which statements are true about unit type?

1.unit type can hold 32 bits of data

2.unit type can hold 16 bits of data

3.unit type can hold data from -2147483648 to 2147483647

4.unit type can hold data from 0 to 4294967295

1&2&3

1&4

2&3

3&4

Ans: 1,4

Which are the characteristics of a FOREIGN KEY constraint?

- 1.It identifies unique values in a table
- 2.It identifies & enforces relationship between tables
- 3.A foreign key in one table points to a candidate key in another table
- 4.Specifies a Boolean search condition that is applied to all values that are entered for the column
- 5.You cannot insert a row with a foreign key value, except NULL, if there is no candidate key with that value

2&3&5

2&4

1&3&4

3&5

1&3&5

Ans:2,3,5

Which of the following statements are valid about generics in .NET Framework?

generic delegate or interface

Which of the following statements are valid about generics in .NET Framework?

- 1.Generics is a language feature.
- 2.We can create a generic class, however, we cannot create a generic interface in C#.NET.
- 3.Generics delegates are not allowed in C#.NET.
- 4.Generics are useful in collection classes in .NET framework.

1&4

1&2

2&3

1&3&4

Ans: 1&4

Which of the following statements are applicable to built-in table-valued functions?

1. The invocation of built-in user-defined functions is always qualified with the sys schema qualifier
2. The invocation of built-in user-defined functions can be either unqualified or can use the sys schema qualifier
3. You should use the sys schema qualifier because it prevents conflicts with user-defined functions of the same name
4. You should use the sys schema qualifier because it suppresses user-defined functions of the same name

1&2&3

1&4

2&3

3&4

Ans:2,3

Where all clustered indexes are useful?

- 1.For remotely used queries
- 2.For frequently used queries
- 3.For providing a high degree of uniqueness
- 4.Where the requirement is for range queries
- 5.For providing high degree of efficiency

1&4&5

3&5

1&2&3

1&4

2&3&4

Ans:2,3,4

What are the conditions for assemblies created by using EXTERNAL ACCESS permission sets?

- 1.The assembly code should be type-safe
- 2.The assembly should contain only static data members in its classes unless they are marked as read-only

3.The classes in the assembly must contain finalizer methods

4.The classes or methods of the assembly should be annotated only with allowed code attributes

2&3

1&4

1&3&4

3&4

Ans: 1,4

What are the forms in which LINQ queries can be created?

1.Relational data syntax

2.Intrinsic data syntax

3.Query-Expression syntax

4.Method-based query syntax

3&4

1&3

2&4

Ans:3,4

What are the similarities between UserControl class & Page class?

1.Both derive from the base TemplateControl class

2.Both derive from the base Control class

3.Both share same property, methods & events

4.Both share same interfaces

1&2&3

1&3

2&4

3&4

3

1&2

Ans:1,3

Which statements are true about Out parameters?

- 1.Out parameters must be definitely assigned before calling the method
- 2.Out parameters don't need to be definitely assigned before calling the method
- 3.Out parameters must be definitely assigned before the method returns
- 4.Out parameters value need not change before the method returns

3&4

2&3

1&2

1&3&4

Ans:2,3

Which all are the main features of Static classes?

- 1.They only contain static members
- 2.They cannot be instantiated
- 3.They have to be instantiated
- 4.They can be inherited
- 5.They are sealed

2&4

1&3

1&4&5

1&2&5

2&3&4

Ans:1,2,5

What is the significance of precedence constraints?

- 1.Precedence constraints link executables, containers, and tasks in packages into a control flow

2.A precedence constraint links two executables: the precedence executable and the constrained executable

3.The precedence executable runs before the constrained executable

4.The precedence executable runs after the constrained executable

1&2&3

1&2&3&4

1&3&4

2&4

Ans:1,2,3

What all statements are true about System.Enum struct?

1.Using System.Enum struct you can convert string to enum

2.Using System.Enum struct you can convert object to enum

3.loop through a list of enum members

4.Using System.Enum struct you can convert ArrayList to enum

1&3

2&4

1&3&4

1&2

Ans:1,2

What is the difference between corelated sub query & nested query?

1.In nested query the inner query is evaluated only once and from that result outer query is evaluated

2.In co-related sub query the inner query is evaluated only once and from that result outer query is evaluated

3.In co-related sub query the inner query is evaluated for multiple times for getting one row of that outer query

4.In nested query the inner query is evaluated for multiple times for getting one row of that outer query

5.Nested query contains a reference to the inner query row

2&4

1&4&5

1&2

3&5

1&2&4

Ans:1,3

How is the data of Partition tables managed?

1.The data of partitioned tables and indexes is divided into units that can be spread across more than one filegroup in a database

2.The data is partitioned horizontally, so that groups of rows are mapped into individual partitions

3.The data is partitioned vertically, so that groups of rows are mapped into individual partitions

4.The table or index is treated as a single logical entity when queries or updates are performed on the data

5.The table or index is treated as multiple logical entities when queries or updates are performed on the data

1&2&4

1&5

4&5

2&3

3&4&5

Ans:1,2,4

Which are the principals included in the Security context?

1.The login

2.The user

3.Authentication memberships

4.Role memberships

5.Role aggregation

1&4&5

1&3&4&5

2&4

1&2&4

1&4

Ans:1,3,4,5

Which are the basic steps for separating a ASP.NET web page?

1.Create a file for user interface

2.Create a file for database

3.Create a file for interface logic

4.Use page directive to link the two files

5.Call procedures in the code-behind page

1&2&3&5

3&4

1&3&4&5

2&5

1&2&4

Ans:1,3,4,5

Which of the following assemblies can be stored in Global Assembly Cache?

Friend Assemblies

Public Assemblies

Shared Assemblies

Private Assemblies

Ans:Shared Assemblies

Which statements are true about the GROUPING function?

1.It is an aggregate function that causes an additional column to be output with a value of 1 when the row is added by either the CUBE or ROLLUP operator

2.It is an aggregate function that causes an additional column to be output with a value of 0 (True) when the row is added by either the CUBE or ROLLUP operator

3.It is an aggregate function that causes an additional column to be output with a value of 0 when the row is not the result of CUBE or ROLLUP operator

4.It is an aggregate function that causes an additional column to be output with value equal to the number of rows added by either the CUBE or ROLLUP operator

5.Grouping is allowed only in the select list associated with a GROUP BY clause that contains either the CUBE or ROLLUP operator

1&3&4

1&2&4

1&3&5

3&4

3&5

Ans:1,3,5

What are the benefits of using a stored procedure?

1.The procedure can reside outside the SQL Server instance, hence manageable

2.Precompiled execution, hence faster

3.Reduced network traffic

4.Efficient reuse of code

5.Efficient compilation

2&3&4

3&5

1&2&4

2&3&5

1&3&5

Ans:2,3,4

What is the significance of clr enabled option?

1.It is used to specify whether user assemblies can be run by SQL Server

2.The clr enabled option can be set to value FALSE to denote that assembly execution is not allowed on SQL Server

3.The clr enabled option can be set to value TRUE to denote that assembly execution is allowed on SQL Server

4.The clr enabled option can be set to value 0 to denote that assembly execution is not allowed on SQL Server

5.The clr enabled option can be set to value 1 to denote that assembly execution is allowed on SQL Server

1&3&5

2&3&4

2&4

1&4&5

1&2

Ans:1,4,5

When you execute user-defined functions that return scalar values, how are the parameters specified?

1.The argument values are enclosed in parentheses

2.The argument values are not enclosed in parentheses

3.Parameter names can be specified

4.If parameter names are specified, the argument values do not have to be in the same sequence as the parameters

2&3&4

1&2&3&4

1&2&4

1&3

Ans:2,3,4

Which statements are true about cursors?

1.Opening a cursor on a result set allows processing the result set one row at a time

2.Opening a cursor on a result set allows processing the complete result set

3.You cannot assign a cursor to a variable or parameter

4.You can assign a cursor to a variable or parameter with a cursor data type

1&2&3

2&4

1&4

3&4

Ans:1,4

Which statements are true for a scenario where a data type is converted to varbinary?

1. When data is converted from a string data type to a binary or varbinary data type of unequal length, SQL Server pads or truncates the data on the right
2. When data is converted from a string data type to a binary or varbinary data type of unequal length, SQL Server pads or truncates the data on the left
3. When data types, except string, are converted to binary or varbinary, the data is padded or truncated on the left
4. When data types, except string, are converted to binary or varbinary, the data is padded or truncated on the right
5. Padding is achieved by using hexadecimal zeros

2&4&5

1&3&5

1&2&5

1&3&4&5

3&4&5

Ans:1,3,5

Identify Deterministic functions from the list:

1.ABS

2.GETDATE

3.DATEADD

4.CURRENT_TIMESTAMP

5.ISNULL

2&3&4

2&3&5

1&3&5

1&2&3

1&3&4

Ans:1,3,5

In ADO.NET which objects are involved in connected mode operations?

1.DataSet

2.Data Reader

3.Command

4.Connection

Ans:2&3&4

What does following directive denote?

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>
```

1.It denotes that the html details of the page are in Default.aspx.cs

2.It denotes that the .NET code of the page is in Default.aspx.cs

3.It denotes that the language used for coding is C#

4.It denotes that C# code blocks are embedded in the html elements

2&3&4

Can we use components developed in VB6.0 in ASP.NET?

You cannot use components developed in VB6.0 in ASP.NET

Yes; you can use VB6.0 components using COM Callable Wrapper (CCW)

Yes; at the assembly level components developed in VB6.0 are same as components developed in .NET, hence they can be used as any other .NET component

Yes; you can use VB6.0 components using Runtime Callable Wrapper (RCW)

2&4

Which of the following are Object Members?

- 1.Namespaces
- 2.Constructors
- 3.Fields
- 4.Nested Objects
- 5.Projects

123 sure

Carefully read the question and answer accordingly.

Identify the statements that are applicable to Three table joins

- 1.First two tables have to be used to bridge to the third table
- 2.Only one table can be used to bridge from one of the other tables to the third table
- 3.At least one column from the middle table have to be referenced in the select list
- 4.None of the columns from the middle table have to be referenced in the select list

1&2&4

3&4

1&3

2&4

Ans 2&4

Identify statements that are true for short type.

- 1.short type can hold 32 bits of data
- 2.short type can hold 16 bits of data
- 3.short type can hold data from 0 to 65535
- 4.short type can hold data from -32768 to 32767

Ans:2&4

1&3

1&2&4

2&4

3&4

How is the data of Partition tables managed?

- 1.The data of partitioned tables and indexes is divided into units that can be spread across more than one filegroup in a database
- 2.The data is partitioned horizontally, so that groups of rows are mapped into individual partitions
- 3.The data is partitioned vertically, so that groups of rows are mapped into individual partitions
- 4.The table or index is treated as a single logical entity when queries or updates are performed on the data
- 5.The table or index is treated as multiple logical entities when queries or updates are performed on the data

Ans 1&2&4

How do you make an assembly visible to all the web applications instead of just one?

By declaring the assembly public

By registering the assembly in the same folder as the IIS root folder

By registering the assembly in Global Assembly Cache

An assembly is private to a web application & cannot be shared

Ans: By registering the assembly in Global Assembly Cache

What are the advantages of partitioning an ASP.NET web page?

- 1.Individual members of the development team can work on separate, individually-owned parts
- 2.Developers can work within environments that are familiar
- 3.Database administrators can create database related tasks independently
- 4.Web Authors can use HTML development tools to build the interface

Ans:4 sure

Which all are the most severe exceptions?

- 1.ExecutionEngineException
- 2.InvalidCastException
- 3.StackOverflowException
- 4.OutOfMemoryException

1&2&4

2&4

1&3

1&3&4

Ans:1&3&4

What is the effect on the currency amount values by setting the Culture information?

Currency symbol is automatically placed

No effect on the currency values

Currency values are automatically converted

Currency values are fetched from web.config file

Ans:1&3

Which of the following problems of non-generic collection does generics solve?

- 1.Lack of flexibility
- 2.Lack of type safety
- 3.Lack of security
- 4.Lack of performance while using value types

Ans:2,4

What does the generics constraint of type Interface do?

- 1.Forces type parameter to inherit the base class defined by the constraint
- 2.Forces type parameter to inherit the interfaces defined by the constraint
- 3.Ensures that the object passed as a parameter implements specific members
- 4.Forces type parameter to be a reference type object

1&4

1&2&4

2&3&4

2&3

Ans:2&3

Which statements are true about Large CLR User defined types?

- 1.Extend existing SQL Server type system
- 2.Same as User-defined data type
- 3.Allow you to store CLR objects in SQL Server database
- 4.Allow you to store binary data in SQL Server database

1&3

2&4

1&2

1&4

Ans:1&3

Which statements are true about the GROUPING function?

- 1.It is an aggregate function that causes an additional column to be output with a value of 1 when the row is added by either the CUBE or ROLLUP operator
- 2.It is an aggregate function that causes an additional column to be output with a value of 0 (True) when the row is added by either the CUBE or ROLLUP operator
- 3.It is an aggregate function that causes an additional column to be output with a value of 0 when the row is not the result of CUBE or ROLLUP operator
- 4.It is an aggregate function that causes an additional column to be output with value equal to the number of rows added by either the CUBE or ROLLUP operator
- 5.Grouping is allowed only in the select list associated with a GROUP BY clause that contains either the CUBE or ROLLUP

Ans:135

Which statements are true about Global Temporary stored procedure?

- 1.A Global temporary procedure is available to all connections
- 2.A Global temporary procedure is available to all connections with explicit EXECUTE permission
- 3.A Global temporary procedure is dropped when the clean-up function is called by the calling procedure
- 4.A Global temporary procedure is dropped at the end of the last session using the procedure

5.If a global temporary procedure is created, all users with EXECUTE permissions can access it & permissions can also be revoked explicitly

Ans:1&4

What is the significance of clr enabled option?

- 1.It is used to specify whether user assemblies can be run by SQL Server
- 2.Theclr enabled option can be set to value FALSE to denote that assembly execution is not allowed on SQL Server
- 3.Theclr enabled option can be set to value TRUE to denote that assembly execution is allowed on SQL Server
- 4.Theclr enabled option can be set to value 0 to denote that assembly execution is not allowed on SQL Server
- 5.Theclr enabled option can be set to value 1 to denote that assembly execution is allowed on SQL Server

Ans:1&4&5

Which of the following statements are applicable to built-in table-valued functions?

- 1.The invocation of built-in user-defined functions is always qualified with the sys schema qualifier
- 2.The invocation of built-in user-defined functions can be either unqualified or can use the sys schema qualifier
- 3.You should use the sys schema qualifier because it prevents conflicts with user-defined functions of the same name
- 4.You should use the sys schema qualifier because it suppresses user-defined functions of the same name

2&3

3&4

1&2&3

1&4

What happens if you specify the ENCRYPTION option in CREATE FUNCTION statement?

- 1.The SQL Statements used to define the function are encrypted
- 2.The statements are encrypted into a .NET assembly
- 3.The statements are encrypted in the syscomments table
- 4.The statements are encrypted in the master table

2&4

1&3

2&3&4

1&2

Ans:1&3

sql_imp

Page: (Previous) 1 2 3 4 5 (Next)

which of the following statements are true about disabling CLR integration in SQL Server' (Choose 3)

- a. When you disable CLR integration, SQL Server unloads all CLR routines
- b. When you disable CLR integration, SQL Server unloads all application domains
- c. You can disable CLR integration by setting the clr enabled option to 0
- d. You can disable CLR integration by setting the clr enabled option to FALSE
- e. When YOU disable CLR integration, SQL Server stops executing all CLR routines

Ans: b,c,e

How does DECLARE CURSOR work' (Choose 3)

- a. It returns a Null value
- b. It accepts a syntax using a set of Transact-SQL extensions
- c. It defines the attributes of a Transact-SQL server cursor
- ? d. It accepts a syntax based on the ISO standard
- e. It defines the behavior of a Transact-SQL server cursor

Ans:b,c,d

Can you convert a Nonpartitioned Table to a Partitioned Table' If yes, how' (Choose 2)

O a. You cannot convert a Nonpartitioned Table to a Partitioned Table

- ☐ b. By creating a partitioned non-clustered index on the table by using the CREATE INDEX statement
- c. By creating a partitioned clustered index on the table by using the CREATE INDEX Statement
- d. By using the ALTER TABLE SWITCH statement to switch the data of the table to a range-indexed table that has a unique partition
- e. By using the ALTER TABLE SWITCH statement to switch the data of the table to a range-partitioned table that has only one partition

Ans:c&e

Identify the syntax for passing parameters to a stored procedure.

- ☐ a. PARAPI FirstName varchar
- ☐ b. :FirstName varchar(50)
- c. VALUE FirstName varchar(50)
- d. FirstName varchar(50)

Ans:b

Which of the following are the categories that the XPath operators are divided into? Choose 4)

- ☐ a. Relational operators
- b. Logical operators
- c. Arithmetic operators
- d. Boolean Operators
- e. Equality operators

Ans:a,c,d,e

what expressions are used to create a computed column/ (Choose 3)

- ? a. Non computed column name
- ? b. Constant
- ? c. Function
- ? d. Subducer?

Ans:a,b,c

When are Exclusive lock mode used/ (Choose 2)

- ? a. It ensures that multiple updates cannot be made to the same resource at the same time

- ? b. It is used for data-modification operations, such as INSERT, UPDATE, or DELETE
- ? c. It ensures that multiple updates can be made to the same resource at the same time
- d. It is used for operations such as SELECT

Ans:a,b

For which of the following conditions, server Cursors cannot be used/ (Choose 3)

- ? a. Batches or stored procedures that return multiple result sets
- ? b. SELECT statements that contain WHERE, GROUP BY clauses ? c. An EXECUTE statement referencing a remote stored procedure
- ? d. Batches or stored procedures that return scalar values
- ? e. SELECT statements that contain COMPUTE, COMPUTE BY, FOR BROWSE, or INTO

Ans:a,c,d

What are the significance of precedence constraints", (Choose 3)

- a. A precedence constraint links two executables: the precedence executable and the constrained executable
- b. The precedence executable runs after the constrained executable D
- C. The precedence executable runs before the constrained executable
- d. Precedence constraints link executables, containers, and tasks in packages into a control flow

Ans:a,c,d

Members of the fixed database role can switch the default filegroup from one filegroup to another.

- o a. db_ovater
- b. db_accessadmin
- c. db_ddladmin
- d. db_secuntyadmin

Ans:a

What does isolation mean in case of transactions'

O J. After a transaction has completed, its effects are permanently in place in the system. The modifications persist even in the event of a system failure

- b. All rules must be applied to the transaction's modifications to maintain all data integrity. All internal data structures, such as tree indexes or doubly-linked lists, must be correct at the end of the transaction
- c. Either all of its data modifications are performed, or none of them is performed

d. Modifications made by concurrent transactions must be isolated from the modifications made by any other concurrent transactions

Ans:d

For which attributes of columns, clustered indexes are not advisable' (Choose 2)

- a. Columns (have) frequently
- b. when there are Wide keys
- c. Columns are accessed sequentially
- d. Columns are unique or contain distinct values

Ans:a,b

What is the significance of a Site Map? (Check all that apply)

- a. Site Maps use the Object model
- b. Site Maps use the Provider model
- c. A Site Map enables you to represent the navigational relationships between the pages in an application
- d. A Site Map enables you to navigate from one website to the other

Ans:A,C

Culture & UICulture properties of a page class can have different culture values, State True or False

Answer:

'True

False

TRUE

Which of the following statements are true about directives? (Choose all that apply)

- a. A directive ends with a %)
- b. Directives are used to directly compile an ASP.NET page
- c. A directive begins with a c% w
- d. Directives are used primarily to provide the compiler with the information it needs to compile the page

ACD

What are the steps to convert a web page to a user control? (Choose 3)

- ? a. Retain the html, body, and form elements from the page
- b. Rename the control so the file name extension is .ascx
- c. Remove the html, body, and form elements from the page
- d. Change the ft. Page directive to an Control directive & remove following attributes: Language, AutoEventWireup, CodeFile; and Inherits
- e. Change the Page directive to an ciip Control directive & retain following attributes: Language, AutoEventWireup, CodeFile, and Inherits

Ans:BCE

In a DataSet, how is the parent/child relationship created between two DataTable objects?

- 0 a. With the help of GroupBy
- 0 b. With the help of Join
- 0 c. With the help of DataRelation
- d. With the help of Inner Join

Ans:c

What does the © Import directive do?

- Q a. Defines page-specific attributes used by the ASP.NET page parser and compiler
- 0 b. Explicitly imports an ASP.NET master page
- c. Explicitly imports a namespace into a page or user control
- 0 d. Defines control-specific attributes used by the ASP.NET page parser and compiler

Ans:c

Which of the following section in web.config can be used to allow or deny access to your web application to certain users or roles?

- a. <configuration> section
- b. <authorization> section
- c. <authentication section Cj
- d. <appSettings> section

Ans:b

which of the following statements are true about EnsureChildControls method? (Choose 2)

- a. The method overrides CreateChildControls method
- b. The method ensures that the CreateChildControls method is called only once
- c. The method forces the CreateChildControls method to be called
- d. The method calls CreateChildControls method whenever required

Ans:b,d

GridView control is derived from which of the following class?

- a. DataBoundControl
- b. CompositeDataBoundControl
- c. CustomControl
- d. CompositeControl

Ans:b

How do you set the Culture or UICulture properties once for the entire application instead of each page?

- a. By calling the GetCultures method of the CultureInfo class
- b. By setting UICulture & Culture properties to auto 11
- c. By setting the values in web.config
- d. By using the Request.Useitanguages property

Ans:c

What is a Web Server?

? a. A network application that listens for I-ITTP requests & responds to the requests by –

- sending data to the client which is usually a web browser
- b. A server application that runs on the client
- c. A server application that runs on the web
- d. A network application that connects multiple servers

Ans:a

Which of the following are the different security mechanisms that are included in the ASP.NET Framework? (Check all that apply)

- a. ASP.NET Membership

- b. ASP.NET Authorization
- c. ASP.NET Authentication
- d. ASP.NET Encryption
- e. Role Manager

Ans :a,b,c,e

How is the issue of DLL Hell taken care of in ASP.NET,

- a. Through COM interop
- b. Through Remoting
- c. Through versioning of .NET assemblies
- d. Through usage of web services

Ans:c

What will happen if we use standard methods of the ClientScriptManager class for working with javaSuipt during an asynchronous request?

- a. The methods will fail
- b. The methods will get disabled
- c. The methods will get executed at the client side
- d. The methods will get executed at the server side

Ans:????????????????????????????????????

Which of the following controls can be used to submit form data to the server? (Check all that apply)

- a. Button
- b. LinkButton
- c. ImageButton
- d. CheckBox
- e. Image

Ans:a,b,c

Which of the following property of Sys.UI.DomEvent class returns the name of the event

- a. charCode

- b. ? b. type
- c. ? c. target
- d. • d. altKey

Ans:b

When should you precompile a project for deployment? (Check all that apply)

- a. When you are concerned about configuration of the production server
- b. When you are concerned about database access on the production server
- c. When you are concerned about storing source-code files on the production server
- d. When you are concerned about possible delays when the first request is made to the Web site in production

Ans:c&d

Which of the following statements are true about AutoComplete control? (Check all that apply)

- a. The AutoComplete control caches items on the client
- b. With this control, all the major events of a text box are raised
- c. It retrieves the matching options from the web server
- d. With this control, as you enter text in a text box, a list of matching options is displayed beneath the control
- ? e. The AutoComplete control caches items on the server

Ans a,c,d by sir or a,d by dumps

What is the difference w.r.t working between Statement-1 & Statement-2? Statement-1: `SqlConnection con = new SqlConnection(" Data Source=localhost;Integrated Security=True;Initial Catalog=Pubs");`
Statement-2: `SqlConnection con = new SqlConnection(" Server=localhost;Integrated Security=True;Initial Catalog=Pubs");`

- a. Both statements work in the same manner
- b. Statement-1 is used for connecting to a local database
- c. Statement-2 will generate an error
- d. Statement-2 is used for connecting to a remote database

Ans:a

What is Type marshalling?

- a. Type marshalling is the mapping of Web Service method calls to SOAP datatypes
- b. Type marshalling is consuming of types from Web Service method calls
- c. Type marshalling is the mapping of types from Web Service method calls to SOAP datatypes

d. Type marshalling is the mapping of types from Web Service method calls to .NET intrinsic datatypes

Ans:c

Where you can specify Custom error pages? (Check all that apply)

- a. In the errorPage attribute of the @Page directive of the web form
- b. In the customErrors section of the web.config
- c. In the application section of web.config
- d. In the configuration section of web.config

Ans:b,c,d

How does ASP.NET react when a page is requested by the user? (Check all that apply)

- a. ASP.NET directly displays the page
- b. ASP.NET automatically compiles the page
- c. ASP.NET determines whether a cached version of the page can be sent in response without running the page
- d. ASP.NET determines whether the page needs to be parsed and compiled

Ans:c,d

What happens when you change the value of the Orientation property of the login control to Horizontal?

11, a. The orientation of Username & Password boxes changes to horizontal 0 b. The Username & Password boxes are rendered one below the other

- c. The Username & Password boxes are rendered in the same column
- d. The Username & Password boxes are rendered in the same row

Ans:a

What does the following code snippet denote? `Context.Trace.Write("My Class","This is a sample trace statement");`

- a. The following code snippet uses the `TraceContext.Write` method to write custom statements to a server control's trace log
- b. The following code snippet uses the `TraceContext.Write` method to write custom statements to a text file
- c. The following code snippet uses the `TraceContext.Write` method to write custom statements in the database
- d. The following code snippet uses the `TraceContext.Write` method to write custom statements to a page

Ans:a

Which of the following are the localization resource files that can be associated with a page called MyPage.aspx which is constructed for US English? (Check all that apply)

- a. MyPage.aspx.resx
- b. MyPage.aspx.en.resx
- c. MyPage.aspx.en-US.resx
- d. MyPage.resx

Ans:a,c

Carefully read the question and answer accordingly.

Which statements are true about data types ntext, text or image with respect to Joins?

- 1.Tables cannot be joined directly on ntext, text, or image columns by using the implicit assignment operator
- 2.Tables cannot be joined directly on ntext, text, or image columns
- 3.Tables can be joined on ntext, text, or image columns by using SUBSTRING Function
- 4.Tables can be joined on ntext, text, or image columns by using STR Function

Ans: 1&3

Carefully read the question and answer accordingly.

Which statements are true about Local Temporary stored procedure?

- 1.A local temporary procedure is visible to all local connections
- 2.A local temporary procedure is visible only to the connection that created it
- 3.A local temporary procedure is dropped through a Clean-up job that is created & triggered by the user at the end of the current session
- 4.A local temporary procedure is automatically dropped at the end of the current session
- 5.A local temporary procedure can be used by all the local users

Ans: 2&3&4

Carefully read the question and answer accordingly.

What happens when a Check box is checked or unchecked by the user?

CheckChanged event is raised on the server

Check event is raised on the server

Check event is raised at the client side

CheckChanged event is raised at the client side

Ans: CheckChanged event is raised on the server

How are themes different from master pages?

Themes allow you to share data across multiple pages in a web site

Themes & Master pages are both same

Themes allow you to share content across multiple pages in a web site

Themes allow you to control the appearance of contents

Ans: Themes allow you to control the appearance of contents

Carefully read the question and answer accordingly.

Which statements are true when a web method returns a dataset?

- 1.The web method can be used in Windows clients
- 2.The web method can be used in Web applications
- 3.The web method can be used in Java applications
- 4.The web method cannot be used directly in Java applications

Ans: 1&2&3

Identify the statements that are applicable to Windows authentication.

- 1.Users are identified by entries in the database
- 2.Users are identified by their Microsoft Windows account names
- 3.Roles correspond to Microsoft Windows groups
- 4.The responsibility of identifying users is delegated to Internet Information Server

1&2

3&4

2&3&4

1&4

Ans : 234

Carefully read the question and answer accordingly.

Which statements are true about Forms authentication?

- 1.Users are identified by a cookie
- 2.Users are identified by their Microsoft Windows account names
- 3.User and role information is stored in a custom data store
- 4.Roles correspond to Microsoft Windows groups

1&3&4

2&3

2&4

1&3

Ans:1&3

Carefully read the question and answer accordingly.

What are your observations on the following query?

```
SELECT name AS object_name
      ,SCHEMA_NAME(schema_id) AS schema_name
      ,type_desc
      ,create_date
      ,modify_date
FROM sys.objects
WHERE modify_date > GETDATE() - 10
ORDER BY modify_date;
```

- 1.It uses the sys.all_objects catalog view
- 2.It uses the sys.objects catalog view
- 3.It returns all database objects that have been modified in the last 10 days
- 4.It returns all database objects that have been newly added in the last 10 days

2&3

1&3&4

1&4

2&3&4

ANS: 2&3

Carefully read the question and answer accordingly.

What is your observation on the following code?

```
USE Inventory;
```

```
GO
```

```
SELECT p.Name, pr.ProductReviewID
```

```
FROM Production.Product p
```

```
WHERE LEFT OUTER JOIN Production.ProductReview pr
```

```
ON p.ProductID = pr.ProductID
```

- 1.In the following code a FULL JOIN in the form of LEFT OUTER JOIN is used in the WHERE clause
- 2.In the following code LEFT OUTER JOIN is used in the WHERE clause
- 3.There will be an error as an INNER JOIN will be required in the FROM clause
- 4.There will be an error as LEFT OUTER JOIN cannot be used in a WHERE clause

2&4

1&2&3

1&3

3&4

ANS:2&4

Carefully read the question and answer accordingly.

Which statements are true about inner joins?

The INNER JOIN keyword return all rows.

The INNER JOIN keyword return null.

The INNER JOIN keyword return rows when there is at least one match in both tables. (ANS)

The INNER JOIN keyword return rows when there is at least non match in both tables.

Carefully read the question and answer accordingly.

What is a stored procedure? Please select all the relevant options

- 1.A collection of compiled T-SQL commands that are directly accessible by SQL Server
- 2.A collection of commands written in any base .NET language that are directly accessible by SQL Server
- 3.Commands placed in a stored procedure are interpreted one line at a time during execution
- 4.Commands placed in a stored procedure are executed as one batch
- 5.Stored procedures reduce network traffic

1&4&5

1&2&3

2&4

2&3&5

3&4&5

ANS: 1&4&5

Carefully read the question and answer accordingly.

Please select all the relevant options; The change in execution context remains in effect until:

- 1.Another EXECUTE AS statement is run
- 2.A REVERT statement is run
- 3.An Update statement is run
- 4.A New session is created
- 5.The session is dropped

1&2&5

1&3&4

1&3

2&5

2&3&5

ANS: 1&2&5

Carefully read the question and answer accordingly.

What are your observations on Temporary stored procedures with respect to performance?

- 1.Heavy use of temporary stored procedures can lock system tables permanently in tempdb and adversely affect performance
- 2.Heavy use of temporary stored procedures can create contention on the system tables in tempdb and adversely affect performance
- 3.It is recommended that sp_executesql be used instead of temporary stored procedures
- 4.sp_executesql stores data in the system tables and therefore avoids the problem
- 5.sp_executesql discards data from the system tables and therefore avoids the problem

1&5

1&3&4

2&3

3&4

2&4&5

ANS: 1&3&4

Carefully read the question and answer accordingly.

Which statements are true about CLR stored procedures?

- 1.It is a reference to a Microsoft .NET Framework common language runtime (CLR) method
- 2.The method can take and return user-supplied parameters
- 3.The method can only take input parameters
- 4.They are implemented as public, static methods on a class in a .NET Framework assembly
- 5.They are implemented as private, protected methods on a class in a .NET Framework assembly

2&4&5

2&4

1&2&4

1&3

1&3&5

ANS: 1&2&4

Carefully read the question and answer accordingly.

What are the limitations of Ownership chaining?

- 1.Applies only to DML statements: SELECT, INSERT, UPDATE, and DELETE
- 2.The owners of the calling and the called objects must be the same
- 3.The owners of the calling and the called objects must be different
- 4.Does not apply to dynamic queries inside the module

3&4

1&3

2&3&4

1&2&4

Ans: 1&2&4

Carefully read the question and answer accordingly.

Please select all the relevant options; The change in execution context remains in effect until:

1. Another EXECUTE AS statement is run

2. A REVERT statement is run

3. An Update statement is run

4. A New session is created

5. The session is dropped

1&2&5

1&3

1&3&4

2&5

2&3&5

ANS: 1&2&5

Carefully read the question and answer accordingly.

Which class enables ASP.NET to read the HTTP values sent by a client during a Web request?

Response

Request

HttpResponse

HttpRequest

ans: Request

Carefully read the question and answer accordingly.

Which class encapsulates HTTP-response information from an ASP.NET operation?

Request

HttpResponse

HttpRequest

Response

ANs:HttpResponse

Carefully read the question and answer accordingly.

In a fully rendered control which class is used to write the HTML content to the browser?

TextWriter

HttpWriter

HttpTextWriter (Ans)

HttpWriter

Ans : c

Carefully read the question and answer accordingly.

Please choose statements that are true about creating themes.

- 1.Themes are created by adding a folder in App_Themes folder
- 2.Themes are created by adding a folder in App_Directory folder
- 3.Each folder that you add to the App_Directory folder represents a different Theme
- 4.Each folder that you add to the App_Themes folder represents a different Theme

2&3

1&4

1&2&4

3&4

and: 1&4

Carefully read the question and answer accordingly.

Which statements are true about Skins to Themes?

- 1.A theme can contain only one skin
- 2.A theme can contain one or more Skin files
- 3.A skin enables you to modify any of the events of an ASP.NET control that get triggered on certain conditions
- 4.A skin enables you to modify any of the properties of an ASP.NET control that have an effect on its appearance

1&3

2&4

1&2&4

2&3&4

ANS:2&4

Carefully read the question and answer accordingly.

Which statements are true about HTML server controls?

- 1.Expose Form controls to the server so that they can be accessed
- 2.Expose HTML elements to the server so that they can be programmed
- 3.Expose an object model that maps very closely to the HTML elements that they render
- 4.Expose an object model that maps very closely to the Forms collection

2&4

1&3&4

2&3

1&3

ANS: 2&3

Carefully read the question and answer accordingly.

Which all are the different mechanism of registering a user control?

- 1.By using a @ Register directive in the web page
- 2.By using @ RegisterControl directive in the web page
- 3.By manually installing the user control
- 4.By registering the user control in the web.config file

1&4

2&3

1&2&3

1&3&4

ANS:1&3&4

Carefully read the question and answer accordingly.

Which are the different mechanisms of setting a property of a user control once it is exposed?

- 1.The property can be set declaratively
- 2.The property can be set in a config file
- 3.The property can be set programmatically
- 4.The property can be set dynamically

1&3&4

1&2&4

2&4

1&3

Ans: 1&3

Carefully read the question and answer accordingly.

When using an API server cursor in OLE DB, ODBC, and ADO, how are the functions or methods of the API used?

- 1.To open a connection

2.To set attributes or properties defining the characteristics of the cursor the API automatically maps over each result set

3.To execute one or more Transact-SQL statements

4.To use API functions or methods to fetch the rows in the result sets

5.To handle errors

1&5

1&2&3&4

1&2&4&5

2&3&5

1&2&4

ANS: 1&2&3&4

Carefully read the question and answer accordingly.

How will you optimize the performance of the cursor if there are multiple rows & columns to be fetched?

1.Use all columns in the Declare statement

2.Use only the required columns in the Declare statement

3.Change your where clause in the declare statement to only return rows the cursor needs

4.Ensure you have optimal indexes in place

2&3&4

3&4

1&2

1&3&4

Carefully read the question and answer accordingly.

Identify disadvantages of using cursors.

- 1.They consume more resources
- 2.Performance gets hampered due to network round-trips if multiple rows have to be fetched
- 3.Performance gets hampered if only the required rows & columns are fetched
- 4.Performance gets hampered if all the rows & columns are fetched
- 5.Resources remain unused on the server if cursors are not closed properly

2&4&5

3&5

1&2&4&5

2&3&4

1&2&3&5

Ans:1245

Carefully read the question and answer accordingly.

What all is included in creation of Control flow?

- 1.Adding containers that implement repeating workflows in a package or divide a control flow into subsets
- 2.Adding containers that implement conditional statements
- 3.Adding tasks that support data flow, prepare data, perform workflow and business intelligence functions, and implement script

4. Separating containers and tasks into an ordered control flow by using precedence constraints

5. Connecting containers and tasks into an ordered control flow by using precedence constraints

2&4

1&4

3&4&5

1&3&5

1&2&3

Ans-135

Carefully read the question and answer accordingly.

How can you post form data to another page?

By using thePostBack property

By using thePostBackUrl property

By using thePostBackData property

By using theAutoPostBack property

Ans: PostBackUrl

Carefully read the question and answer accordingly.

What happens when a web service is consumed by a client?

A WSDL proxy is created on the client that consumes the web service

Web service methods are exposed at the server

A WSDL proxy is created on the server that consumes the web service (Ans by sir)(still doubt)

.NET framework creates a WSDL file on the server hosting the service

Ans: c

Which all statements are true about SOAP Header element?

- 1.SOAP Header element contains verbose description of a message
- 2.The SOAP Header element contains application-specific information, like authentication, payment, etc, about the SOAP message
- 3.SOAP Header is optional
- 4.SOAP Header is mandatory
- 5.SOAP Header element must be the first child element of the Envelope element

2&3&4

2&3&5 (Ans)

3&5

1&4

1&2&3&4

Ans-235

Carefully read the question and answer accordingly.

What is the significance of System.Web.Services.Description namespace?

It contains the classes needed to configure a Web Service

It contains the classes needed to describe a Web Service (Ans)

It consists of the classes that enable Web Service consumers to locate available Web Services

It consists of the classes used to define the protocols that enable message transmission over HTTP between ASP.NET Web Services and ASP.NET Web Service clients

Ans:b

What does WindowsTokenRoleProvider do?

Enables you to store role information in a Microsoft SQL Server database

Enables you to use Authorization Manager

Enables you to use Microsoft Windows groups to represent role information (ANS)

Enables you to use ActiveDirectory to represent role information

Ans-c

Carefully read the question and answer accordingly.

What happens when a web service is created on the server?

1..NET framework creates a WSDL proxy on the server hosting the service

- 2..NET framework creates a WSDL file on the server hosting the service
- 3.WSDL describes the web service interface
- 4.Web service proxies are automatically created on client computers

2&4

1&4

2&3

1&3

ANS: 1&3

Carefully read the question and answer accordingly.

Which all statements are true about varchar data type?

- 1.varchar can hold alphanumeric data
- 2.The storage size of Varchar datatype is fixed
- 3.Each row can hold different number of characters up to the max length defined
- 4.Each row can hold fixed number of characters as defined by max length

1&3 (ans)

2&4

1&2

1&3&4

Carefully read the question and answer accordingly.

SQL Server 2008 Security model is based on three categories that separate the basic elements of security, which among the following are those?

- 1.Principals
- 2.Constraints
- 3.Securables
- 4.Permissions

1&3&4 (ans)

1&2&3

2&4&3

1&2&4

Carefully read the question and answer accordingly.

Choose the different classes which the SQL Server divides principals into?

- 1.Windows-level principal
- 2.Field-level principal
- 3.Database-level principal
- 4.SQL Server-level principal

2&3&4

1&3&4 (ans)

1&4

1&3

Carefully read the question and answer accordingly.

Using which system Storeprocedure the administrator will register the Extended StoreProcedure DLL to the SQL Server.

sp_addlinkedsrvlogin

sp_addlinkedserver

sp_ActiveDirectory_Obj

sp_addextendedproc (ans)

Carefully read the question and answer accordingly.

Identify types of indexes from the list.

1.Clustered

2.Unique

3.Variable

4.Spatial

5.Filtered

1&2&3&5

1&4

1&2&4&5 (ans)

3&5

2&3&4

Carefully read the question and answer accordingly.

Which statements are true about the DATABASE argument of the CREATE TRIGGER statement?

- 1.Applies the scope of a DDL trigger to the current database
- 2.The trigger fires whenever event_type or event_group occurs in the current database
- 3.The trigger fires whenever a new record is inserted in tables of the current database
- 4.The trigger fires whenever a records are deleted from the tables in the current database

1&2 (ans)

2&4

1&3

3&4

Carefully read the question and answer accordingly.

Which of the following T-SQL statements are not allowed in a DML trigger?

- 1.ALTER DATABASE
- 2.LOAD DATABASE
- 3.CREATE
- 4.UPDATE
- 5.CREATE DATABASE

2&3

1&2&4

1&2&5 (ans)

3&4

4&5

Carefully read the question and answer accordingly.

Which all index options can be set without rebuilding the index?

1.ALLOW_PAGE_LOCKS

2.ALLOW_ROW_LOCKS

3.IGNORE_DUP_KEY

4.DATA_COMPRESSION

5.STATISTICS_NORECOMPUTE

1&2&3&5 (ans)

1&4

3&4&5

2&5

1&3&5

Carefully read the question and answer accordingly.

What are the column considerations for using clustered indexes?

1.Columns are unique or contain distinct values

2.Columns change frequently

3.Columns are accessed sequentially

4.Column is used frequently to sort data retrieved from a table

2&4

1&3&4 (ans)

2&3&4

1&3

Which statements are true about trigger creation?

1.CREATE TRIGGER must be the first statement in the batch

2.CREATE TRIGGER must be the last statement in the batch

3.CREATE TRIGGER can apply to only one table

4.CREATE TRIGGER can apply to multiple tables

5.A trigger is created only in the current database; however, a trigger can reference objects outside the current database

1&4

4&5

2&3&4

2&4

1&3&5 (ans)

Carefully read the question and answer accordingly.

What is the impact of disabling an index for clustered indexes?

- 1.Prevents user access to the index
- 2.Prevents user access to all the indexes
- 3.Prevents user access to the underlying table data
- 4.Prevents user access to the underlying database

2&3

1&3 (ans)

2&4

1&3&4

Carefully read the question and answer accordingly.

On what conditions does the SQL Server query optimizer not use a parallel execution plan for a query?

- 1.The serial execution cost of the query is not high enough to consider an alternative, parallel execution plan
- 2.The parallel execution cost of the query is not high enough to consider an alternative serial execution plan
- 3.A serial execution plan is considered faster than any possible parallel execution plan for the particular query
- 4.The query contains scalar or relational operators that cannot be run in parallel

1&3&4 (ans)

2&4

1&2

2&3

Carefully read the question and answer accordingly.

Which are the different types of Secondary XML index?

- 1.PATH Secondary XML index
- 2.FILE Secondary XML index
- 3.VALUE Secondary XML index
- 4.PROPERTY Secondary XML index

1&4

1&2

1&3&4 (ans)

2&3

What does the following syntax do? Please select all the relevant options

CREATE TABLE T1(Col1 int primary key, Col2 xml)

- 1.It creates a row in a table
- 2.It creates a column of type int in the table & sets it as a primary key
- 3.It creates a column of type xml
- 4.It creates an empty table

2&3 (ans)

2&4

1&3

1&4

Carefully read the question and answer accordingly.

How does SQL server handle Parallel query processing?

1. During query optimization, SQL Server looks for queries or index operations that might benefit from parallel execution
2. SQL Server inserts exchange operators into the query execution plan to prepare the query for parallel execution
3. After exchange operators are inserted, the result is a parallel-query execution plan which can use more than one thread
4. After exchange operators are inserted, the queries are compiled into an executable

1&3&4

1&2

2&4

1&2&3 (ans)

Carefully read the question and answer accordingly.

What are the restrictions a sub-query is subjected to?

1. If the WHERE clause of an outer query includes a column name, it cannot be join-compatible with the column in the subquery select list
2. If the WHERE clause of an outer query includes a column name, it must be join-compatible with the column in the subquery select list
3. The DISTINCT keyword cannot be used with subqueries that include GROUP BY
4. The DISTINCT keyword cannot be used with subqueries that include ORDER BY
5. ORDER BY can only be specified when TOP is also specified

3&5

2&3

2&3&5 (ans)

1&4&5

1&4

Carefully read the question and answer accordingly.

What does Referential integrity indicate?

- 1.It refers to each occurrence of a column having a correct data value
- 2.It indicates that the relationships between tables have been correctly maintained
- 3.Data in one table should only point to existing rows in another table and not point to rows that do not exist
- 4.Data in one table should have multiple fields

1&4

1&3

2&3&4

2&3 (ans)

Carefully read the question and answer accordingly.

What statements are true about a Correlated Sub query?

- 1.A correlated subquery contains cross-references to the parent query that can force the execution of the parent query each time the sub query retrieves a new row
- 2.A correlated subquery contains cross-references to the parent query that can force the execution of the subquery each time the parent retrieves a new row

3.For each record fetched in outer query corresponding matching records are fetched in sub-query because of join condition within inner sub-query

4.For each record in the sub-query there are multiple matching records in the outer query because of join condition in the outer query

3&4

1&2

2&3 (ans)

1&4

Carefully read the question and answer accordingly.

Which all are the options of ON DELETE clause of a FOREIGN KEY constraint?

1.CLOSE

2.NO ACTION

3.CASCADE

4.SET NULL

5.SET DEFAULT

1&2&3&4

1&2&4

2&3&4

1&3&5

2&3&4&5 (ans)

How does a subquery with EXISTS work?

- 1.The subquery functions as an existence test
- 2.The WHERE clause of the outer query tests whether data exists in the subquery for each row of the outer query
- 3.The subquery returns a list of rows that match the criteria
- 4.The subquery returns a value of TRUE or FALSE

2&4

2&3&4

1&3

1&2&4 (ans)

Carefully read the question and answer accordingly.

What all tasks can Scalar queries be used for?

- 1.To establish an implicit inner join
- 2.To remove an outer join
- 3.To create computed columns from multiple tables
- 4.To aggregate from multiple tables
- 5.To insert into tables based on values from other tables

1&2&4

2&4&5

2&5

1&3&5 (ans)

1&3&4

Which are the basic types of a sub query?

- 1.Those that operate on lists introduced with IN
- 2.Those that a comparison operator modified by ALL or NOT
- 3.Those that are introduced with an unmodified relational operator and must return a computed value
- 4.Those that are introduced with an unmodified comparison operator and must return a single value
- 5.Those that are existence tests introduced with EXISTS

1&3&5

2&3&5

1&4&5 (Ans)

3&4

1&5

Carefully read the question and answer accordingly.

What all components can a subquery nested in the outer SELECT statement have?

- 1.A regular SELECT query including the regular select list components
- 2.A regular FROM clause including one or more table or view names
- 3.A mandatory WHERE clause
- 4.A mandatory GROUP BY clause
- 5.A optional HAVING clause

3&5

1&4&5

1&2&4

2&5

1&2&5 (Ans)

Carefully read the question and answer accordingly.

Which statements are true about large varchar?

- 1.A sql_char cannot contain a large varchar data type
- 2.A sql_variant cannot contain a large varchar data type
- 3.Large varchar columns can be specified as a key column in an index
- 4.Large varchar columns are the only columns that can be used as partitioning key columns
- 5.Large varchar columns cannot be used as partitioning key columns

2&5 (Ans)

1&2&3

1&3&4

2&4&5

only 4

Carefully read the question and answer accordingly.

Which statements are true about the max constant in a varchar type?

- 1.It can be used when the data can exceed more than 8000 characters
- 2.It can be used to fix the max length of characters for the entire column
- 3.It can be used to store large blocks of text

4.It can be used to store large image types

1&3&4

1&2

2&3

1&3 (ans)

Carefully read the question and answer accordingly.

Which all statements are true about varbinary data type?

1.varbinary can hold binary data

2.varbinary can hold character data

3.The stored data can exceed 8,000 bytes

4.The value is based on regular expression logic

1&3

2&4

2&3

1&2&4 (ans)

Carefully read the question and answer accordingly.

Which are the different methods that can be used to retrieve individual database options?

1.By using DATABASEPROPERTY Function

2.By using DATABASEPROPERTYEX Function

3.By using sp_dboption system stored procedure

4.By using sp_database system stored procedure

3&4

1&2&4 (ans)

1&3

2&3

Carefully read the question and answer accordingly.

How does partition function work?

1.A partition function specifies how the table or index is partitioned

2.The function maps the database into a set of partitions

3.The function maps the domain into a set of partitions

4.To create a partition function, you must specify the number of partitions, the partitioning rows & the number of constraints for each partition

5.To create a partition function, you must specify the number of partitions, the partitioning column & the range of partition column values for each partition

4&5

2&5

1&2&3

1&3&5 (ans)

1&2&3

Carefully read the question and answer accordingly.

How is replication affected by partitioning of tables & indexes?

- 1.Partitioning cannot be applied in case of transactional replication
- 2.The performance of transactional replication can be optimized through partitioning by effectively reducing the amount of data and metadata that has to be managed by the replication system
- 3.The performance of merge replication can be optimized through partitioning by effectively reducing the amount of data and metadata that has to be managed by the replication system
- 4.Partitioning cannot be applied in case of merge replication
- 5.Replication supports a maximum of 1024 partitions per table

1&2

2&4&5

2&3&5 (ans)

3&4

1&3&4

What is the significance of Recovery model setting?

- 1.It determines how much data can be recovered in the event of a media failure
- 2.It determines the location where the data should be recovered in the event of a media failure
- 3.The default recovery is Full, which provides the greatest level of recovery
- 4.The default recovery is Partial, which provides the greatest level of recovery

1&2&3

1&3&4

1&3 (ans)

2&4

How is an id selector used? (Check all that apply)

- a. It is defined with a # symbol
- b. It uses the id attribute of the HTML element
- c. It is defined with a "*" symbol
- d. It is used to specify a style for a single, unique element

Ans : a,b

Which modules in IIS 7.0 support managed integration in the IIS request -processing pipeline? (Check all that

apply)

- a. ProtocolSupportModule
- b. DefaultDocumentModule
- c. ConfigurationValidationModule
- d. ManagedEngine

Ans : c,d

Which of the following are the different types of virtual communities? (Check all that apply)

- a. Social Networking Services
- b. Virtual Worlds
- c. Online Shopping
- d. Online Chat rooms

e. Internet message boards

Ans :a,b,d

What is the impact of OPEN statement on the cursor?

- 1.It opens a Database connection
- 2.It opens a Transact-SQL server cursor
- 3.It populates the cursor by executing the Transact-SQL statement specified on the DECLARE CURSOR or SET cursor_variable statement
- 4.It populates the recordset by executing the Transact-SQL statement

Ans : 2,3

1. Which of the following can be declared in an interface?

1. Properties
2. Methods
3. Enumerations
4. Events
5. Structures

[A.](#) 1, 3

[B.](#) 1, 2, 4

[C.](#) 3, 5

[D.](#) 4, 5

Answer: Option **B**

2. A class implements two interfaces each containing three methods. The class contains no instance data. Which of the following correctly indicate the size of the object created from this class?

[A.](#) 12 bytes

[B.](#) 24 bytes

[C.](#) 0 byte

[D.](#) 8 bytes

[E.](#) 16 bytes

Answer: Option **C**

3. Which of the following statements is correct about an interface used in C#.NET?

[A.](#) One class can implement only one interface.

[B.](#) In a program if one class implements an interface then no other class in the same program can implement this interface.

[C.](#) From two base interfaces a new interface cannot be inherited.

[D.](#) Properties can be declared inside an interface.

[E.](#) Interfaces cannot be inherited.

Answer: Option D

4. Which of the following statements is correct about Interfaces used in C#.NET?

[A.](#) All interfaces are derived from an *Object* class.

[B.](#) Interfaces can be inherited.

[C.](#) All interfaces are derived from an *Object* interface.

[D.](#) Interfaces can contain only method declaration.

[E.](#) Interfaces can contain static data and methods.

Answer: Option B

5. Which of the following statements is correct about an interface used in C#.NET?

[A.](#) If a class implements an interface partially, then it becomes an abstract class.

[B.](#) A class cannot implement an interface partially.

[C.](#) An interface can contain static methods.

[D.](#) An interface can contain static data.

[E.](#) Multiple interface inheritance is not allowed.

Answer: Option A

6. Which of the following statements is correct about an interface?

[A.](#) One interface can be implemented in another interface.

[B.](#) An interface can be implemented by multiple classes in the same program.

[C.](#) A class that implements an interface can explicitly implement members of that interface.

[D.](#) The functions declared in an interface have a body.

Answer: Option C

7. Which of the following statements are correct about an interface in C#.NET?

1. A class can implement multiple interfaces.

2. Structures cannot inherit a class but can implement an interface.

3. In C#.NET, `:` is used to signify that a class member implements a specific interface.

4. An interface can implement multiple classes.

5. The static attribute can be used with a method that implements an interface declaration.

[A.](#) 1, 2, 3

[B.](#) 2, 4

[C.](#) 3, 5

[D.](#) None of the above.

Answer: Option A

8. Which of the following statements is correct?

- [A.](#) When a class inherits an interface it inherits member definitions as well as its implementations.
- [B.](#) An interface cannot contain the signature of an indexer.
- [C.](#) Interfaces members are automatically public.
- [D.](#) To implement an interface member, the corresponding member in the class must be public as well as static.

Answer: Option C

9. Which of the following statements are correct about an interface used in C#.NET?

- 1. An interface can contain properties, methods and events.
- 2. The keyword `must implement` forces implementation of an interface.
- 3. Interfaces can be overloaded.
- 4. Interfaces can be implemented by a class or a struct.
- 5. Enhanced implementations of an interface can be developed without breaking existing code.

- [A.](#) 1, 2
- [B.](#) 1, 4, 5
- [C.](#) 3, 4
- [D.](#) 3 only

Answer: Option B

10. Which of the following can implement an interface?

- 1. Data
- 2. Class
- 3. Enum
- 4. Structure
- 5. Namespace

- [A.](#) 1, 3
- [B.](#) 2, 4
- [C.](#) 3, 5
- [D.](#) 4 only

Answer: Option B

11. Which of the following unary operators can be overloaded?

- 1. *true*
- 2. *false*
- 3. *+*
- 4. *new*
- 5. *is*

- [A.](#) 1, 2, 3
- [B.](#) 3, 4, 5
- [C.](#) 3 only
- [D.](#) 5 only

Answer: Option A

12. A derived class can stop virtual inheritance by declaring an override as

- [A.inherits](#)
- [B.extends](#)
- [C.inheritable](#)
- [D.not inheritable](#)
- [E.sealed](#)

Answer: Option E

13. Which of the following keyword is used to change the data and behavior of a base class by replacing a member of a base class with a new derived member?

- [A.new](#)
- [B.base](#)
- [C.overloads](#)
- [D.override](#)
- [E.overridable](#)

Answer: Option A

14. Which of the following statements is correct?

- [A.](#)When used as a modifier, the *new* keyword explicitly hides a member inherited from a base class.
- [B.](#)Operator overloading works in different ways for structures and classes.
- [C.](#)It is not necessary that all operator overloads are static methods of the class.
- [D.](#)The cast operator can be overloaded.

Answer: Option A

15. Which of the following keyword is used to overload user-defined types by defining static member functions?

- [A.op](#)
- [B.opoverload](#)
- [C.operator](#)
- [D.operatoroverload](#)
- [E.udoperator](#)

Answer: Option C

16. Which of the following statements is correct?

- [A.](#)Static methods can be a virtual method.
- [B.](#)Abstract methods can be a virtual method.
- [C.](#)It is necessary to override a virtual method.
- [D.](#)When overriding a method, the names and type signatures of the override method must be the same as the virtual method that is being overridden.
- [E.](#)We can override virtual as well as non-virtual methods.

Answer: Option D

17. Which of the following statements are correct about a delegate?

1. Inheritance is a prerequisite for using delegates.
2. Delegates are type-safe.
3. Delegates provide wrappers for function pointers.
4. The declaration of a delegate must match the signature of the method that we intend to call using it.

5. Functions called using delegates are always late-bound.

- [A.](#) 1 and 2 only
- [B.](#) 1, 2 and 3 only
- [C.](#) 2, 3 and 4 only
- [D.](#) All of the above
- [E.](#) None of the above

Answer: Option D

18. Which of the following statements are correct about delegates?

- 1. Delegates are not type-safe.
- 2. Delegate is a user-defined type.
- 3. Only one method can be bound with one delegate object.
- 4. Delegates can be used to implement callback notification.
- 5. Delegates permit execution of a method on a secondary thread in an asynchronous manner.

- [A.](#) 1 and 2 only
- [B.](#) 1, 2 and 3 only
- [C.](#) 2, 4 and 5 only
- [D.](#) 4 and 5 only
- [E.](#) All of the above

Answer: Option C

20. Suppose on pushing a button an object is to be notified, but it is not known until runtime which object should be notified. Which of the following programming constructs should be used to implement this idea?

- | | |
|----------------------------------|------------------------------|
| A. Attribute | B. Delegate |
| C. Namespace | D. Interface |
| E. Encapsulation | |

Answer: Option B

21. Which of the following statements is incorrect about a delegate?

- [A.](#)A single delegate can invoke more than one method.
- [B.](#)Delegates can be shared.
- [C.](#)Delegate is a value type.
- [D.](#)Delegates are type-safe wrappers for function pointers.
- [E.](#)The signature of a delegate must match the signature of the method that is to be called using it.

Answer: Option C

22. Suppose a Generic class called *SortObjects* is to be made capable of sorting objects of any type (*Integer*, *Single*, *Byte* etc.). Which of the following programming constructs should be used to implement the comparison function?

- | | |
|----------------------------------|------------------------------|
| A. Namespace | B. Interface |
| C. Encapsulation | D. Delegate |
| E. Attribute | |

Answer: Option D

23. With which of the following can the *ref* keyword be used?

1. Static data
2. Instance data
3. Static function/subroutine
4. Instance function/subroutine

[A.](#) 1, 2

[B.](#) 3, 4

[C.](#) 1, 3

[D.](#) 2, 4

[E.](#) All of the above

Answer: Option **B**

24. Which of the following statements are correct about an *ArrayList* collection that implements the *IEnumerable* interface?

1. The *ArrayList* class contains an inner class that implements the *IEnumerator* interface.
2. An *ArrayList* Collection cannot be accessed simultaneously by different threads.
3. The inner class of *ArrayList* can access *ArrayList* class's members.
4. To access members of *ArrayList* from the inner class, it is necessary to pass *ArrayList* class's reference to it.
5. Enumerator's of *ArrayList* Collection can manipulate the array.

[A.](#) 1 and 2 only

[B.](#) 1 and 3 and 4 only

[C.](#) 2 and 5 only

[D.](#) All of the above

[E.](#) None of the above

Answer: Option **B**

25. How many enumerators will exist if four threads are simultaneously working on an *ArrayList* object?

[A.](#) 1

[B.](#) 3

[C.](#) 2

[D.](#) 4

[E.](#) Depends upon the Project Setting made in Visual Studio.NET.

Answer: Option **D**

26. In which of the following collections is the Input/Output index-based?

1. *Stack*
2. *Queue*
3. *BitArray*
4. *ArrayList*
5. *HashTable*

[A.](#) 1 and 2 only

- [B.](#)3 and 4 only
- [C.](#)5 only
- [D.](#)1, 2 and 5 only
- [E.](#)All of the above

Answer: Option **B**

27. Which of the following statements are correct about the *Stack* collection?

1. It can be used for evaluation of expressions.
2. All elements in the *Stack* collection can be accessed using an enumerator.
3. It is used to maintain a FIFO list.
4. All elements stored in a *Stack* collection must be of similar type.
5. Top-most element of the *Stack* collection can be accessed using the *Peek()* method.

- [A.](#)1 and 2 only
- [B.](#)3 and 4 only
- [C.](#)1, 2 and 5 only
- [D.](#)All of the above
- [E.](#)None of the above

Answer: Option **C**

28. A *HashTable* *t* maintains a collection of names of states and capital city of each state. Which of the following is the correct way to find out whether "*Kerala*" state is present in this collection or not?

- [A.](#)*t.ContainsKey("Kerala");*
- [B.](#)*t.HasValue("Kerala");*
- [C.](#)*t.HasKey("Kerala");*
- [D.](#)*t.ContainsState("Kerala");*
- [E.](#)*t.ContainsValue("Kerala");*

Answer: Option **A**

29. Which of the following is NOT an interface declared in *System.Collections* namespace?

- [A.](#)*IComparer*
- [B.](#)*Enumerable*
- [C.](#)*Enumerator*
- [D.](#)*IDictionaryComparer*
- [E.](#)*IDictionaryEnumerator*

Answer: Option **D**

30. Suppose value of the *Capacity* property of *ArrayList* Collection is set to 4. What will be the capacity of the Collection on adding fifth element to it?

- [A.](#)4
- [B.](#)8
- [C.](#)16
- [D.](#)32

31. Which of the following is an ordered collection class?

1. *Map*
2. *Stack*
3. *Queue*
4. *BitArray*

5. *HashTable*

- [A.](#)1 only
- [B.](#)2 and 3 only
- [C.](#)4 and 5 only
- [D.](#)All of the above
- [E.](#)None of the above

Answer: Option **B**

32. Which of the following is the correct way to find out the number of elements currently present in an *ArrayList* Collection called *arr*?

- [A.](#)*arr.Count*
- [B.](#)*arr.GrowSize*
- [C.](#)*arr.MaxIndex*
- [D.](#)*arr.Capacity*
- [E.](#)*arr.UpperBound*

Answer: Option **A**

33. Which of the following statements are correct about a *HashTable* collection?

1. It is a keyed collection.
2. It is a ordered collection.
3. It is an indexed collection.
4. It implements *alDictionaryEnumerator* interface in its inner class.
5. The key - value pairs present in a *HashTable* can be accessed using the *Keys* and *Values* properties of the inner class that implements the *IDictionaryEnumerator* interface.

- [A.](#)1 and 2 only
- [B.](#)1, 2 and 3 only
- [C.](#)4 and 5 only
- [D.](#)1, 4 and 5 only
- [E.](#)All of the above

Answer: Option **D**

34. Which of the following statements are correct about the *Collection* Classes available in Framework Class Library?

- [A.](#)Elements of a collection cannot be transmitted over a network.
- [B.](#)Elements stored in a collection can be retrieved but cannot be modified.
- [C.](#)It is not easy to adopt the existing Collection classes for newtype of objects.
- [D.](#)Elements stored in a collection can be modified only if allelements are of similar types.
- [E.](#)They use efficient algorithms to manage the collection, thereby improving the performance of the program.

Answer: Option **E**

35. Which of the following statements are correct?

1. Instance members of a *class* can be accessed only through an object of that *class*.
2. A *class* can contain only instance data and instance member *function*.
3. All objects created from a *class* will occupy equal number of bytes in memory.
4. A *class* can contain Friend functions.

5. A *class* is a blueprint or a template according to which objects are created.

- [A.](#) 1, 3, 5
- [B.](#) 2, 4
- [C.](#) 3, 5
- [D.](#) 2, 4, 5
- [E.](#) None of these

Answer: Option A

36. Which of the following statements is correct?

- [A.](#) Procedural Programming paradigm is different than structured programming paradigm.
- [B.](#) Object Oriented Programming paradigm stresses on dividing the logic into smaller parts and writing procedures for each part.
- [C.](#) Classes and objects are corner stones of structured programming paradigm.
- [D.](#) Object Oriented Programming paradigm gives equal importance to data and the procedures that work on the data.
- [E.](#) C#.NET is a structured programming language.

Answer: Option D

37. The *this* reference gets created when a member function (non-shared) of a class is called.

- [A.](#) True

Answer: Option A

38. Which of the following statements are correct?

1. Data members of a class are by default *public*.
2. Data members of a class are by default *private*.
3. Member functions of a class are by default *public*.
4. A private function of a class can access a *public* function within the same class.
5. Member function of a class are by default *private*.

- [A.](#) 1, 3, 5
- [B.](#) 1, 4
- [C.](#) 2, 4, 5
- [D.](#) 1, 2, 3
- [E.](#) None of these

Answer: Option C

39. Which of the following statements are correct about the *this* reference?

1. *this* reference can be modified in the instance member function of a class.
2. Static functions of a class never receive the *this* reference.
3. Instance member functions of a class always receive a *this* reference.
4. *this* reference continues to exist even after control returns from an instance member function.
5. While calling an instance member function we are not required to pass the *this* reference explicitly.

- [A.](#) 1, 4
- [B.](#) 2, 3, 5
- [C.](#) 3, 4

- [D.](#)2, 5
- [E.](#)None of these

Answer: Option **B**

40. Which of the following statements are correct about objects of a user-defined class called *Sample*?

1. All objects of *Sample* class will always have exactly same data.
2. Objects of *Sample* class may have same or different data.
3. Whether objects of *Sample* class will have same or different data depends upon a Project Setting made in Visual Studio.NET.
4. Conceptually, each object of *Sample* class will have instance data and instance member functions of the *Sample* class.
5. All objects of *Sample* class will share one copy of member functions.

- [A.](#)1, 3
- [B.](#)2, 4
- [C.](#)4, 5
- [D.](#)3, 5
- [E.](#)None of these

Answer: Option **C**

41. Which of the following statements is correct about classes and objects in C#.NET?

- [A.](#)Class is a value type.
- [B.](#)Since objects are typically big in size, they are created on the stack.
- [C.](#)Objects of smaller size are created on the heap.
- [D.](#)Smaller objects that get created on the stack can be given names.
- [E.](#)Objects are always nameless.

Answer: Option **E**

42. The [Serializable()] attribute gets inspected at

- [A.](#)Compile-time
- [B.](#)Run-time
- [C.](#)Design-time
- [D.](#)Linking-time
- [E.](#)None of the above

Answer: Option **B**

43. Which of the following are correct ways to specify the targets for a custom attribute?

- [A.](#)By applying *AttributeUsage* to the custom attribute's class definition.
- [B.](#)By applying *UsageAttribute* to the custom attribute's class definition.
- [C.](#)Once an attribute is declared it applies to all the targets.
- [D.](#)By applying *AttributeUsageAttribute* to the custom attribute's class definition.
- [E.](#)None of the above.

Answer: Option **D**

44. Which of the following are correct ways to pass a parameter to an attribute?

1. By value
2. By reference
3. By address
4. By position
5. By name

[A.](#) 1, 2

[B.](#) 1, 2, 3

[C.](#) 4, 5

[D.](#) All of the above

Answer: Option C

45. Which of the following statements are correct about inspecting an attribute in C#.NET?

1. An attribute can be inspected at link-time.
2. An attribute can be inspected at compile-time.
3. An attribute can be inspected at run-time.
4. An attribute can be inspected at design-time.

[A.](#) 1, 2

[B.](#) 3, 4

[C.](#) 1, 3, 4

[D.](#) All of the above

[E.](#) None of the above

Answer: Option A

46. Which of the following statements are correct about Attributes used in C#.NET?

[A.](#) If there is a custom attribute *BugFixAttribute* then the compiler will look ONLY for the *BugFix* attribute in the code that uses this attribute.

[B.](#) To create a custom attribute we need to create a custom attribute structure and derive it from *System.Attribute*.

[C.](#) To create a custom attribute we need to create a class and implement *IAttribute* interface in it.

[D.](#) If a *BugFixAttribute* is to receive three parameters then the *BugFixAttribute* class should implement a zero-argument constructor.

[E.](#) The CLR can change the behaviour of the code depending upon the attributes applied to it.

Answer: Option E

47. Which of the following statements are correct about Attributes in C#.NET?

1. On compiling a C#.NET program the attributes applied are recorded in the metadata of the assembly.
2. On compilation all the attribute's tags are deleted from the program.
3. It is not possible to create custom attributes..
4. The attributes applied can be read from an assembly using Reflection class.
5. An attribute can have parameters.

[A.](#) 1 and 2 only

[B.](#) 2 and 4 only

[C.](#) 1, 4 and 5 only

[D.](#) All of the above

[E.](#)None of the above

Answer: Option C

48. Which of the following correctly describes the contents of the filename AssemblyInfo.cs?

- [A.](#)It contains method-level attributes.
- [B.](#)It contains class-level attributes.
- [C.](#)It contains assembly-level attributes.
- [D.](#)It contains structure-level attributes.
- [E.](#)It contains namespace-level attributes.

Answer: Option C

49. It possible to create a custom attribute that can be applied only to specific programming element(s) like ____ .

- [A.](#)Classes
- [B.](#)Methods
- [C.](#)Classes and Methods
- [D.](#)Classes, Methods and Member-Variables

Answer: Option C

50. Which of the following CANNOT be a target for a custom attribute?

- [A.](#)Enum
- [B.](#)Event
- [C.](#)Delegate
- [D.](#)Interface
- [E.](#)Namespace

Answer: Option E

51. Once applied which of the following CANNOT inspect the applied attribute?

- [A.](#)CLR
- [B.](#)Linker
- [C.](#)ASP.NET Runtime
- [D.](#)Visual Studio.NET
- [E.](#)Language compilers

Answer: Option B

52. Attributes can be applied to

1. Method
2. Class
3. Assembly
4. Namespace
5. Enum

- [A.](#)1 and 2 only
- [B.](#)1, 2 and 3
- [C.](#)4 and 5 only
- [D.](#)All of the above
- [E.](#)None of the above

Answer: Option B.

53. If a namespace is present in a library then which of the following is the correct way to use the elements of the namespace?

- [A.](#) Add Reference of the namespace.
Use the elements of the namespace.
Add Reference of the namespace.
- [B.](#) Import the namespace.
Use the elements of the namespace.
- [C.](#) Import the namespace.
Use the elements of the namespace.
- [D.](#) Copy the library in the same directory as the project that is trying to use it.
Use the elements of the namespace.
- [E.](#) Install the namespace in Global Assembly Cache.
Use the elements of the namespace.

Answer: Option B

54. Which of the following is NOT a namespace in the .NET Framework Class Library?

- [A.](#) *System.Process*
- [B.](#) *System.Security*
- [C.](#) *System.Threading*
- [D.](#) *System.Drawing*
- [E.](#) *System.Xml*

Answer: Option A

55. Which of the following statements is correct about a namespace in C#.NET?

- [A.](#) Namespaces help us to control the visibility of the elements present in it.
- [B.](#) A namespace can contain a class but not another namespace.
- [C.](#) If not mentioned, then the name 'root' gets assigned to the namespace.
- [D.](#) It is necessary to use the using statement to be able to use an element of a namespace.
- [E.](#) We need to organise the classes declared in Framework Class Library into different namespaces.

Answer: Option A

56. Which of the following is absolutely necessary to use a class *Point* present in namespace *Graph* stored in library?

- [A.](#) Use fully qualified name of the *Point* class.
- [B.](#) Use using statement before using the *Point* class.
- [C.](#) Add Reference of the library before using the *Point* class.
- [D.](#) Use using statement before using the *Point* class.
- [E.](#) Copy the library into the current project directory before using the *Point* class.

Answer: Option C

57. Which of the followings are NOT a .NET namespace?

1. *System.Web*
2. *System.Process*
3. *System.Data*
4. *System.Drawing2D*
5. *System.Drawing3D*

- [A.](#) 1, 3
- [B.](#) 2, 4, 5
- [C.](#) 3, 5
- [D.](#) 1, 2, 3

Answer: Option B

58. Which of the following statements is correct about namespaces in C#.NET?

- [A.](#) Namespaces can be nested only up to level 5.
- [B.](#) A namespace cannot be nested.
- [C.](#) There is no limit on the number of levels while nesting namespaces.
- [D.](#) If namespaces are nested, then it is necessary to use using statement while using the elements of the inner namespace.
- [E.](#) Nesting of namespaces is permitted, provided all the inner namespaces are declared in the same file.

Answer: Option C

59. Which of the following statements is correct about the using statement used in C#.NET?

- [A.](#) *using* statement can be placed anywhere in the C#.NET source code file.
- [B.](#) It is permitted to define a member at namespace level as a *using* alias.
- [C.](#) A C#.NET source code file can contain any number of *using* statement.
- [D.](#) By using *using* statement it is possible to create an alias for the namespace but not for the namespace element.
- [E.](#) By using *using* statement it is possible to create an alias for the namespace element but not for the namespace.

Answer: Option C

60. Which of the following statements are correct about a namespace used in C#.NET?

1. Classes must belong to a namespace, whereas structures need not.
2. Every *class*, *struct*, *enum*, *delegate* and *interface* has to belong to some or the other namespace.
3. All elements of the namespace have to belong to one file.
4. If not mentioned, a namespace takes the name of the current project.
5. The namespace should be imported to be able to use the elements in it.

- [A.](#) 1, 3
- [B.](#) 2, 4, 5
- [C.](#) 3, 5
- [D.](#) 4 only

Answer: Option B

61. Which of the following CANNOT belong to a C#.NET Namespace?

- [A.](#) *class*
- [B.](#) *struct*
- [C.](#) *enum*
- [D.](#) *Data*
- [E.](#) *interface*

Answer: Option D

62. Which of the following statements is correct about a namespace used in C#.NET?

- [A.](#) Nested namespaces are not allowed.
- [B.](#) Importing outer namespace imports inner namespace.
- [C.](#) Nested namespaces are allowed.
- [D.](#) If nested, the namespaces cannot be split across files.

Answer: Option C

63. A property can be declared inside a class, struct, Interface.

[A. True](#)

[B. False](#)

Answer: Option A

64. Which of the following statements is correct about properties used in C#.NET?

[A. A property can simultaneously be read only or write only.](#)

[B. A property can be either read only or write only.](#)

[C. A write only property will have only get accessor.](#)

[D. A write only property will always return a value.](#)

Answer: Option B

65. A *Student* class has a property called *rollNo* and *stu* is a reference to a *Student* object and we want the statement *stu.RollNo = 28* to fail. Which of the following options will ensure this functionality?

[A. Declare *rollNo* property with both get and set accessors.](#)

[B. Declare *rollNo* property with only set accessor.](#)

[C. Declare *rollNo* property with get, set and normal accessors.](#)

[D. Declare *rollNo* property with only get accessor.](#)

[E. None of the above](#)

Answer: Option D

66. Which of the following statements are correct?

[1. The signature of an indexer consists of the number and types of its formal parameters.](#)

[2. Indexers are similar to properties except that their accessors take parameters.](#)

[3. Accessors of interface indexers use modifiers.](#)

[4. The type of an indexer and the type of its parameters must be at least as accessible as the indexer itself.](#)

[5. An interface accessor contains a body.](#)

[A. 1, 3, 5](#)

[B. 1, 2, 4](#)

[C. 3, 5](#)

[D. 2, 4](#)

Answer: Option B

67. A property can be declared inside a namespace or a procedure.

[A. True](#)

[B. False](#)

Answer: Option B

68. Which of the following statements is correct about properties used in C#.NET?

[A. Every property must have a set accessor and a get accessor.](#)

[B. Properties cannot be overloaded.](#)

[C. Properties of a class are actually methods that work like data members.](#)

[D. A property has to be either read only or a write only.](#)

Answer: Option C

69. Which of the following does an indexer allow to index in the same way as an array?

1. A class
2. A property
3. A struct
4. A function
5. An interface

- A. 1, 3, 5
B. 2, 4
C. 3, 5
D. 3, 4, 5

Answer: Option A

70. An *Employee* class has a property called *age* and *emp* is reference to a *Employee* object and we want the statement *Console.WriteLine(emp.age)* to fail. Which of the following options will ensure this functionality?

- A. Declare *age* property with only get accessor.
B. Declare *age* property with only set accessor.
C. Declare *age* property with both get and set accessors.
D. Declare *age* property with get, set and normal accessors.
E. None of the above

Answer: Option B

71. Which of the following statements are correct about an *enum* used in C#.NET?

1. By default the first enumerator has the value equal to the number of elements present in the list.
2. The value of each successive enumerator is decreased by 1.
3. An enumerator contains white space in its name.
4. A variable cannot be assigned to an *enum* element.
5. Values of *enum* elements cannot be populated from a database.

- A. 1, 2
B. 3, 4
C. 4, 5
D. 1, 4

Answer: Option C

72. Which of the following statements is true about an *enum* used in C#.NET?

- A. An implicit cast is needed to convert from *enum* type to an integral type.
B. An *enum* variable cannot have a *public* access modifier.
C. An *enum* variable cannot have a *private* access modifier.
D. An *enum* variable can be defined inside a class or a namespace.
E. An *enum* variable cannot have a *protected* access modifier.

Answer: Option D

73. Which of the following statements are correct about an *enum* used in C#.NET?

1. To use the keyword *enum*, we should either use [*enum*] or *System.Enum*.

2. *enum* is a keyword.
3. Enum is class declared in *System.Type* namespace.
4. Enum is a class declared in the current project's root namespace.
5. Enum is a class declared in *System* namespace.

[A.](#) 1, 3

[B.](#) 2, 4

[C.](#) 2, 5

[D.](#) 3, 4

Answer: Option C

74. An *enum* that is declared inside a class, struct, namespace or interface is treated as public.

[A.](#) True

[B.](#) False

Answer: Option A

75. An *enum* can be declared inside a class, struct, namespace or interface.

[A.](#) True

[B.](#) False

Answer: Option A

76. Which of the following CANNOT be used as an underlying datatype for an *enum* in C#.NET?

[A.](#) *byte*

[B.](#) *short*

[C.](#) *float*

[D.](#) *int*

Answer: Option C

77. Which of the following statements are correct about *enum* used in C#.NET?

1. Every *enum* is derived from an Object class.
2. Every *enum* is a value type.
3. There does not exist a way to print an element of an *enum* as a string.
4. Every *enum* is a reference type.
5. The *default* underlying datatype of an *enum* is *int*.

[A.](#) 1, 2, 5

[B.](#) 1, 4

[C.](#) 3, 5

[D.](#) 2, 3, 4

Answer: Option A

78. Which of the following statements is correct about an *enum* used in C#.NET?

[A.](#) *enum* is a reference type.

[B.](#) *enum* is a value type.

[C.](#) Whether it is a value type or a reference type depends upon size.

[D.](#) Whether it is a value type or a reference type depends upon a Project Setting made in Visual Studio.NET.

[E.](#) We can programmatically control whether it is a value type or a reference type.

Answer: Option B

79. Which of the following statements are correct about an *enum* used in C#.NET?

1. An *enum* can be declared inside a class.
2. An *enum* can take Single, Double or Decimal values.
3. An *enum* can be declared outside a class.
4. An *enum* can be declared inside/outside a namespace.
5. An object can be assigned to an *enum* variable.

[A.](#) 1, 3, 4

[B.](#) 2, 5

[C.](#) 3, 4

[D.](#) 2, 4, 5

Answer: Option A

80. The string built using the String class are immutable (unchangeable), whereas, the ones built- using the StringBuilder class are mutable.

[A.](#) True

[B.](#) False

Answer: Option A

11.

Which of the following statements about a String is correct?

[A.](#) A String is created on the stack.

[B.](#) Whether a String is created on the stack or the heap depends on the length of the String.

[C.](#) A String is a primitive.

[D.](#) A String can be created by using the statement *String s1 = new String;*

[E.](#) A String is created on the heap.

Answer: Option E

81. Which of the following statement is correct about a String in C#.NET?

[A.](#) A String is mutable because it can be modified once it has been created.

[B.](#) Methods of the *String* class can be used to modify the string.

[C.](#) A number CANNOT be represented in the form of a String.

[D.](#) A String has a zero-based index.

[E.](#) The *System.Array* class is used to represent a string.

Answer: Option D

82. Which of the following statements are correct about the String Class in C#.NET?

1. Two strings can be concatenated by using an expression of the form $s3 = s1 + s2$;
2. String is a primitive in C#.NET.
3. A string built using *StringBuilder* Class is Mutable.
4. A string built using *String* Class is Immutable.
5. Two strings can be concatenated by using an expression of the form $s3 = s1 \& s2$;

[A.](#) 1, 2, 5

[B.](#) 2, 4

[C.](#) 1, 3, 4

[D.](#) 3, 5

Answer: Option C

83. Which of the following statements are correct?

1. String is a value type.
2. String literals can contain any character literal including escape sequences.
3. The equality operators are defined to compare the values of string objects as well as references.
4. Attempting to access a character that is outside the bounds of the string results in an *IndexOutOfRangeException*.
5. The contents of a string object can be changed after the object is created.

[A.](#) 1, 3

[B.](#) 3, 5

[C.](#) 2, 4

[D.](#) 1, 2, 4

Answer: Option C

84. Which one of the following statements is correct?

- [A.](#) Array elements can be of integer type only.
- [B.](#) The rank of an Array is the total number of elements it can contain.
- [C.](#) The length of an Array is the number of dimensions in the Array.
- [D.](#) The default value of numeric array elements is zero.
- [E.](#) The Array elements are guaranteed to be sorted.

Answer: Option D

85. Which of the following statements are correct about arrays used in C#.NET?

1. Arrays can be rectangular or jagged.
2. Rectangular arrays have similar rows stored in adjacent memory locations.
3. Jagged arrays do not have an access to the methods of *System.Array* Class.
4. Rectangular arrays do not have an access to the methods of *System.Array* Class.
5. Jagged arrays have dissimilar rows stored in non-adjacent memory locations.

[A.](#) 1, 2

[B.](#) 1, 3, 5

[C.](#) 3, 4

[D.](#) 1, 2, 5

[E.](#) 4, 5

Answer: Option D

86. The space required for structure variables is allocated on stack.

[A.](#) True

[B.](#) False

Answer: Option A

87. Creating empty structures is allowed in C#.NET.

[A.](#) True

[B.](#) False

Answer: Option B

88. Which of the following statements are correct?

1. A struct can contain properties.
2. A struct can contain constructors.
3. A struct can contain protected data members.
4. A struct cannot contain methods.
5. A struct cannot contain constants.

[A.](#) 1, 2

[B.](#) 3, 4

[C.](#) 1, 2, 4

[D.](#) 3, 5

Answer: Option A

89. C#.NET structures are always value types.

[A.](#) True

[B.](#) False

Answer: Option A

90. When would a structure variable get destroyed?

[A.](#) When no reference refers to it, it will get garbage collected.

[B.](#) Depends upon whether it is created using *new* or without using *new*.

[C.](#) When it goes out of scope.

[D.](#) Depends upon the Project Settings made in Visual Studio.NET.

[E.](#) Depends upon whether we free it's memory using *free()* or *delete()*.

Answer: Option C

91. Which of the following statements is correct?

[A.](#) A struct never declares a *default* constructor.

[B.](#) All value types in C# inherently derive from *ValueType*, which inherits from *Object*.

[C.](#) A struct never declares a *default* destructor.

[D.](#) In C#, classes and structs are semantically same.

Answer: Option B

92. Which of the following are true about classes and struct?

1. A *class* is a reference type, whereas a *struct* is a value type.
2. Objects are created using *new*, whereas structure variables can be created either using *new* or without using *new*.
3. A structure variable will always be created slower than an object.
4. A structure variable will die when it goes out of scope.
5. An object will die when it goes out of scope.

[A.](#) 1, 2, 4

[B.](#) 3, 5

[C.](#) 2, 4

[D.](#) 3, 4, 5

Answer: Option A

93. Which of the following statements are correct about Structures used in C#.NET?

1. A Structure can be declared within a procedure.
2. Structs can implement an *interface* but they cannot inherit from another *struct*.
3. struct members cannot be declared as *protected*.
4. A Structure can be empty.
5. It is an error to initialize an instance field in a *struct*.

[A.](#) 1, 2, 4

[B.](#) 2, 3, 5

[C.](#) 2, 4

[D.](#) 1, 3

Answer: Option B

94. Which of the following statements are TRUE about the .NET CLR?

1. It provides a language-neutral development & execution environment.
2. It ensures that an application would not be able to access memory that it is not authorized to access.
3. It provides services to run "managed" applications.
4. The resources are garbage collected.
5. It provides services to run "unmanaged" applications.

[A.](#) Only 1 and 2

[B.](#) Only 1, 2 and 4

[C.](#) 1, 2, 3, 4

[D.](#) Only 4 and 5

[E.](#) Only 3 and 4

Answer: Option C

95. Which of the following are valid .NET CLR JIT performance counters?

1. Total memory used for JIT compilation
2. Average memory used for JIT compilation
3. Number of methods that failed to compile with the standard JIT
4. Percentage of processor time spent performing JIT compilation
5. Percentage of memory currently dedicated for JIT compilation

[A.](#) 1, 5

[B.](#) 3, 4

[C.](#) 1, 2

[D.](#) 4, 5

Answer: Option B

96. Which of the following statements is correct about Managed Code?

[A.](#) Managed code is the code that is compiled by the JIT compilers.

[B.](#) Managed code is the code where resources are Garbage Collected.

[C.](#) Managed code is the code that runs on top of Windows.

- [D.](#)Managed code is the code that is written to target the services of the CLR.
- [E.](#)Managed code is the code that can run on top of Linux.

Answer: Option D

97. Which of the following utilities can be used to compile managed assemblies into processor-specific native code?

- [A.](#)gacutil
- [B.](#)ngen
- [C.](#)sn
- [D.](#)dumpbin
- [E.](#)ildasm

Answer: Option B

98. Which of the following are NOT true about .NET Framework?

1. It provides a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.
2. It provides a code-execution environment that minimizes software deployment and versioning conflicts.
3. It provides a code-execution environment that promotes safe execution of code, including code created by an unknown or semi-trusted third party.
4. It provides different programming models for Windows-based applications and Web-based applications.
5. It provides an event driven programming model for building Windows Device Drivers.

- [A.](#)1, 2
- [B.](#)2, 4
- [C.](#)4, 5
- [D.](#)1, 2, 4

Answer: Option C

99. Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

- [A.](#).NET class libraries
- [B.](#)Common Language Runtime
- [C.](#)Common Language Infrastructure
- [D.](#)Component Object Model
- [E.](#)Common Type System

Answer: Option A

100. Which of the following jobs are NOT performed by Garbage Collector?

1. Freeing memory on the stack.
2. Avoiding memory leaks.
3. Freeing memory occupied by unreferenced objects.
4. Closing unclosed database collections.
5. Closing unclosed files.

- [A.](#)1, 2, 3
- [B.](#)3, 5
- [C.](#)1, 4, 5
- [D.](#)3, 4

Answer: Option C

101. Which of the following .NET components can be used to remove unused references from the managed heap?

- [A.](#) Common Language Infrastructure
- [B.](#) CLR
- [C.](#) Garbage Collector
- [D.](#) Class Loader
- [E.](#) CTS

Answer: Option C

102. Which of the following statements correctly define .NET Framework?

- [A.](#) It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services.
- [B.](#) It is an environment for developing, building, deploying and executing only Web Applications.
- [C.](#) It is an environment for developing, building, deploying and executing Distributed Applications.
- [D.](#) It is an environment for developing, building, deploying and executing Web Services.
- [E.](#) It is an environment for development and execution of Windows applications.

Answer: Option A

103. Which of the following constitutes the .NET Framework?

1. ASP.NET Applications
2. CLR
3. Framework Class Library
4. WinForm Applications
5. Windows Services

- [A.](#) 1, 2
- [B.](#) 2, 3
- [C.](#) 3, 4
- [D.](#) 2, 5

Answer: Option B

104. Which of the following assemblies can be stored in Global Assembly Cache?

- [A.](#) Private Assemblies
- [B.](#) Friend Assemblies
- [C.](#) Shared Assemblies
- [D.](#) Public Assemblies
- [E.](#) Protected Assemblies

Answer: Option C

105. Code that targets the Common Language Runtime is known as

- [A.](#) Unmanaged
- [B.](#) Distributed
- [C.](#) Legacy
- [D.](#) Managed Code
- [E.](#) Native Code

Answer: Option D

106. Which of the following statements is correct about the .NET Framework?

- [A.](#) .NET Framework uses DCOM for achieving language interoperability.
- [B.](#) .NET Framework is built on the DCOM technology.
- [C.](#) .NET Framework uses DCOM for making transition between managed and unmanaged code.
- [D.](#) .NET Framework uses DCOM for creating unmanaged applications.
- [E.](#) .NET Framework uses COM+ services while creating Distributed Applications.

Answer: Option C

107. Which of the following is the root of the .NET type hierarchy?

- [A.](#) *System.Object*
- [B.](#) *System.Type*
- [C.](#) *System.Base*
- [D.](#) *System.Parent*
- [E.](#) *System.Root*

Answer: Option A

108. Which of the following benefits do we get on running managed code under CLR?

1. Type safety of the code running under CLR is assured.
2. It is ensured that an application would not access the memory that it is not authorized to access.
3. It launches separate process for every application running under it.
4. The resources are Garbage collected.

- [A.](#) Only 1 and 2
- [B.](#) Only 2, 3 and 4
- [C.](#) Only 1, 2 and 4
- [D.](#) Only 4
- [E.](#) All of the above

Answer: Option E

109. Which of the following security features can .NET applications avail?

1. PIN Security
2. Code Access Security
3. Role Based Security
4. Authentication Security
5. Biorhythm Security

- [A.](#) 1, 4, 5
- [B.](#) 2, 5
- [C.](#) 2, 3
- [D.](#) 3, 4

Answer: Option C

110. Which of the following jobs are done by Common Language Runtime?

1. It provides core services such as memory management, thread management, and remoting.
2. It enforces strict type safety.
3. It provides Code Access Security.

4. It provides Garbage Collection Services.

- [A.](#) Only 1 and 2
- [B.](#) Only 3, 4
- [C.](#) Only 1, 3 and 4
- [D.](#) Only 2, 3 and 4
- [E.](#) All of the above

Answer: Option E

111. Which of the following statements are correct about a .NET Assembly?

1. It is the smallest deployable unit.
2. Each assembly has only one entry point - *Main()*, *WinMain()* or *DLLMain()*.
3. An assembly can be a Shared assembly or a Private assembly.
4. An assembly can contain only code and data.
5. An assembly is always in the form of an EXE file.

- [A.](#) 1, 2, 3
- [B.](#) 2, 4, 5
- [C.](#) 1, 3, 5
- [D.](#) 1, 2

Answer: Option A

112. Which of the following statements are correct about JIT?

1. JIT compiler compiles instructions into machine code at run time.
2. The code compiled by the JIT compiler runs under CLR.
3. The instructions compiled by JIT compilers are written in native code.
4. The instructions compiled by JIT compilers are written in Intermediate Language (IL) code.
5. The method is JIT compiled even if it is not called

- [A.](#) 1, 2, 3
- [B.](#) 2, 4
- [C.](#) 3, 4, 5
- [D.](#) 1, 2

Which of the following are parts of the .NET Framework?

1. The Common Language Runtime (CLR)
2. The Framework Class Libraries (FCL)
3. Microsoft Published Web Services
4. Applications deployed on IIS
5. Mobile Applications

- [A.](#) Only 1, 2, 3
- [B.](#) Only 1, 2
- [C.](#) Only 1, 2, 4
- [D.](#) Only 4, 5
- [E.](#) All of the above

Answer: Option B

113. Which of the following statements are correct about data types?

1. If the integer literal exceeds the range of byte, a compilation error will occur.
2. We cannot implicitly convert non-literal numeric types of larger storage size to byte.
3. Byte cannot be implicitly converted to float.
4. A char can be implicitly converted to only int data type.
5. We can cast the integral character codes.

[A.](#) 1, 3, 5

[B.](#) 2, 4

[C.](#) 3, 5

[D.](#) 1, 2, 5

Answer: Option **D**

114. Which of the following is an 8-byte Integer?

[A.](#) Char

[B.](#) Long

[C.](#) Short

[D.](#) Byte

[E.](#) Integer

Answer: Option **B**

115. Which of the following is NOT an Integer?

[A.](#) Char

[B.](#) Byte

[C.](#) Integer

[D.](#) Short

[E.](#) Long

Answer: Option **A**

116. Which of the following statements is correct?

[A.](#) Information is never lost during narrowing conversions.

[B.](#) The *CInteger()* function can be used to convert a Single to an Integer.

[C.](#) Widening conversions take place automatically.

[D.](#) Assigning an Integer to an Object type is known as Unboxing.

[E.](#) 3.14 can be treated as Decimal by using it in the form *3.14F*.

Answer: Option **C**

117. Which of the following are value types?

1. *Integer*

2. *Array*

3. *Single*

4. *String*

5. *Long*

[A.](#) 1, 2, 5

- [B.](#) 1, 3, 5
- [C.](#) 2, 4
- [D.](#) 3, 5

Answer: Option B

118. Which of the following does not store a sign?

- [A.](#) *Short*
- [B.](#) *Integer*
- [C.](#) *Long*
- [D.](#) *Byte*
- [E.](#) *Single*

Answer: Option D

119. What is the size of a *Decimal*?

- [A.](#) 4 byte
- [B.](#) 8 byte
- [C.](#) 16 byte
- [D.](#) 32 byte

Answer: Option C

120. Which of the following is the correct size of a *Decimal* datatype?

- [A.](#) 8 Bytes
- [B.](#) 4 Bytes
- [C.](#) 10 Bytes
- [D.](#) 16 Bytes
- [E.](#) None of the above.

Answer: Option D

121. Which of the following statements are correct?

1. We can assign values of any type to variables of type *object*.
2. When a variable of a value type is converted to *object*, it is said to be unboxed.
3. When a variable of type *object* is converted to a value type, it is said to be boxed.
4. Boolean variable cannot have a value of *null*.
5. When a value type is boxed, an entirely new object must be allocated and constructed.

- [A.](#) 2, 5
- [B.](#) 1, 5
- [C.](#) 3, 4
- [D.](#) 2, 3

Answer: Option B

122. Which of the following statements are correct about data types?

1. Each value type has an implicit default constructor that initializes the default value of that type.
2. It is possible for a value type to contain the *null* value.
3. All value types are derived implicitly from *System.ValueType* class.
4. It is not essential that local variables in C# must be initialized before being used.

5. Variables of reference types referred to as objects and store references to the actual data.

- [A.](#)1, 3, 5
- [B.](#)2, 4
- [C.](#)3, 5
- [D.](#)2, 3, 4

Answer: Option A

123. Which of the following statements are correct about datatypes in C#.NET?

1. Every datatype is either a value type or a reference type.
2. Value types are always created on the heap.
3. Reference types are always created on the stack.
4. Mapping of every value type to a type in Common Type System facilitates Interoperability in C#.NET.
5. Every reference type gets mapped to a type in Common Type System.

- [A.](#)1, 3
- [B.](#)2, 5
- [C.](#)1, 4
- [D.](#)3, 4

Answer: Option C

124. Which of the following is the correct default value of a *Boolean* type?

- [A.](#)0
- [B.](#)1
- [C.](#)True
- [D.](#)False
- [E.](#)-1

Answer: Option D

125. Which of the following statements is correct?

- [A.](#)It is not possible to extend the *if* statement to handle multiple conditions using the *else-if* arrangement.
- [B.](#)The *switch* statement can include any number of *case* instances with two *case* statements having the same value.
- [C.](#)A jump statement such as a *break* is required after each *case* block excluding the last block *if* it is a *default* statement.
- [D.](#)The *if* statement selects a statement for execution based on the value of a Boolean expression.
- [E.](#)C# always supports an implicit fall through from one *case* label to another.

Answer: Option D

126. Which of the following can be used to terminate a *while* loop and transfer control outside the loop?

1. exit while
2. continue
3. exit statement
4. break
5. goto

- [A.](#)1, 3
- [B.](#)2, 4

- [C.](#)3, 5
- [D.](#)4, 5
- [E.](#)None of these

Answer: Option D

127. Which of the following statements are correct?

1. A *switch* statement can act on numerical as well as *Boolean* types.
2. A *switch* statement can act on *characters*, *strings* and *enumerations* types.
3. We cannot declare variables within a *case* statement if it is not enclosed by { }.
4. The *foreach* statement is used to iterate through the collection to get the desired information and should be used to change the contents of the collection to avoid unpredictable side effects.
5. All of the expressions of the *for* statement are not optional.

- [A.](#)1, 2
- [B.](#)2, 3
- [C.](#)3, 5
- [D.](#)4, 5
- [E.](#)None of these

Answer: Option A

128. Which of the following statements are correct?

1. The *switch* statement is a control statement that handles multiple selections and enumerations by passing control to one of the *case* statements within its body.
2. The *goto* statement passes control to the next iteration of the enclosing iteration statement in which it appears.
3. Branching is performed using jump statements which cause an immediate transfer of the program control.
4. A common use of *continue* is to transfer control to a specific *switch-case* label or the *default* label in a *switch* statement.
5. The *do* statement executes a statement or a block of statements enclosed in {} repeatedly until a specified expression evaluates to *false*.

- [A.](#)1, 2, 4
- [B.](#)1, 3, 5
- [C.](#)2, 3, 4
- [D.](#)3, 4, 5
- [E.](#)None of these

Answer: Option B

129. Which of the following statements is correct?

- [A.](#)It is not possible to extend the *if* statement to handle multiple conditions using the *else-if* arrangement.
- [B.](#)The *switch* statement can include any number of *case* instances with two *case* statements having the same value.
- [C.](#)A jump statement such as a *break* is required after each *case* block excluding the last block if it is a *default* statement.
- [D.](#)The *if* statement selects a statement for execution based on the value of a Boolean expression.
- [E.](#)C# always supports an implicit fall through from one *case* label to another.

Answer: Option D

130. Which of the following can be used to terminate a *while* loop and transfer control outside the loop?

1. exit while
2. continue
3. exit statement
4. break
5. goto

[A.](#) 1, 3

[B.](#) 2, 4

[C.](#) 3, 5

[D.](#) 4, 5

[E.](#) None of these

Answer: Option D

131. Which of the following statements are correct?

1. A *switch* statement can act on numerical as well as *Boolean* types.
2. A *switch* statement can act on *characters*, *strings* and *enumerations* types.
3. We cannot declare variables within a *case* statement *if* it is not enclosed by *{ }*.
4. The *foreach* statement is used to iterate through the collection to get the desired information and should be used to change the contents of the collection to avoid unpredictable side effects.
5. All of the expressions of the *for* statement are not optional.

[A.](#) 1, 2

[B.](#) 2, 3

[C.](#) 3, 5

[D.](#) 4, 5

[E.](#) None of these

Answer: Option A

132. Which of the following statements are correct?

1. The *switch* statement is a control statement that handles multiple selections and enumerations by passing control to one of the *case* statements within its body.
2. The *goto* statement passes control to the next iteration of the enclosing iteration statement in which it appears.
3. Branching is performed using jump statements which cause an immediate transfer of the program control.
4. A common use of *continue* is to transfer control to a specific *switch-case* label or the *default* label in a *switch* statement.
5. The *do* statement executes a statement or a block of statements enclosed in *{ }* repeatedly until a specified expression evaluates to *false*.

[A.](#) 1, 2, 4

[B.](#) 1, 3, 5

[C.](#) 2, 3, 4

[D.](#) 3, 4, 5

[E.](#) None of these

Answer: Option B

133. Which of the following is NOT an Arithmetic operator in C#.NET?

- [A.**](#)
- [C./](#)
- [E.*](#)

- [B.+](#)
- [D.%](#)

Answer: Option A

134. Which of the following are NOT Relational operators in C#.NET?

- 1. >=
- 2. !=
- 3. Not
- 4. <=
- 5. <>=

- [A.1, 3](#)
- [B.2, 4](#)
- [C.3, 5](#)
- [D.4, 5](#)
- [E.None of these](#)

Answer: Option C

135. Which of the following is NOT a Bitwise operator in C#.NET?

- [A.&](#)
- [C.<<](#)
- [E.~](#)

- [B.|](#)
- [D.^](#)

Answer: Option C

136. Which of the following statements are correct about the Bitwise & operator used in C#.NET?

- 1. The & operator can be used to Invert a bit.
- 2. The & operator can be used to put ON a bit.
- 3. The & operator can be used to put OFF a bit.
- 4. The & operator can be used to check whether a bit is ON.
- 5. The & operator can be used to check whether a bit is OFF.

- [A.1, 2, 4](#)
- [B.2, 3, 5](#)
- [C.3, 4](#)
- [D.3, 4, 5](#)
- [E.None of these](#)

Answer: Option D

137. Which of the following are Logical operators in C#.NET?

- 1. &&
- 2. ||
- 3. !

- 4. Xor
- 5. %

- [A.](#) 1, 2, 3
- [B.](#) 1, 3, 4
- [C.](#) 2, 4, 5
- [D.](#) 3, 4, 5
- [E.](#) None of these

Answer: Option A

138. Which of the following statements is correct about Bitwise / operator used in C#.NET?

- [A.](#) The / operator can be used to put OFF a bit.
- [B.](#) The / operator can be used to Invert a bit.
- [C.](#) The / operator can be used to check whether a bit is ON.
- [D.](#) The / operator can be used to check whether a bit is OFF.
- [E.](#) The / operator can be used to put ON a bit.

Answer: Option E

139. Which of the following is NOT an Assignment operator in C#.NET?

- | | |
|-----------------------|-----------------------|
| A. \= | B. /= |
| C. *= | D. += |
| E. %= | |

Answer: Option A

140. Which of the following statements is correct about Bitwise ^ operator used in C#.NET?

- [A.](#) The ^ operator can be used to put ON a bit.
- [B.](#) The ^ operator can be used to put OFF a bit.
- [C.](#) The ^ operator can be used to Invert a bit.
- [D.](#) The ^ operator can be used to check whether a bit is ON.
- [E.](#) The ^ operator can be used to check whether a bit is OFF.

Answer: Option C

141. Which of the following statements are correct?

- 1. The conditional operator (?:) returns one of two values depending on the value of a Boolean expression.
- 2. The as operator in C#.NET is used to perform conversions between compatible reference types.
- 3. The &* operator is also used to declare pointer types and to dereference pointers.
- 4. The -> operator combines pointer dereferencing and member access.
- 5. In addition to being used to specify the order of operations in an expression, brackets [] are used to specify casts or type conversions.

- [A.](#) 1, 2, 4
- [B.](#) 2, 3, 5
- [C.](#) 3, 4, 5
- [D.](#) 1, 3, 5
- [E.](#) None of these

Answer: Option A

142. Which of the following statements are correct?

1. An argument passed to a ref parameter need not be initialized first.
2. Variables passed as out arguments need to be initialized prior to being passed.
3. Argument that uses params keyword must be the last argument of variable argument list of a method.
4. Pass by reference eliminates the overhead of copying large data items.
5. To use a ref parameter only the calling method must explicitly use the *ref* keyword.

[A.](#)1, 2

[B.](#)2, 3

[C.](#)3, 4

[D.](#)4, 5

[E.](#)None of these

143. A function returns a value, whereas a subroutine cannot return a value.

[A.](#)True

[B.](#)False

Answer: Option A

144. Which of the following statements are correct about functions and subroutines used in C#.NET?

1. A function cannot be called from a subroutine.
2. The *ref* keyword causes arguments to be passed by reference.
3. While using ref keyword any changes made to the parameter in the method will be reflected in that variable when control passes back to the calling method.
4. A subroutine cannot be called from a function.
5. Functions and subroutines can be called recursively.

[A.](#)1, 2, 4

[B.](#)2, 3, 5

[C.](#)3, 5

[D.](#)4, 5

[E.](#)None of these

Answer: Option B

145. Which of the following statements are correct?

1. C# allows a function to have arguments with default values.
2. C# allows a function to have variable number of arguments.
3. Omitting the return value type in method definition results into an exception.
4. Redefining a method parameter in the method's body causes an exception.
5. params is used to specify the syntax for a function with variable number of arguments.

[A.](#)1, 3, 5

[B.](#)3, 4, 5

[C.](#)2, 5

[D.](#)4, 5

[E.](#)None of these

Answer: Option C

146. Which of the following statements are correct about functions used in C#.NET?

1. Function definitions cannot be nested.
2. Functions can be called recursively.
3. If we do not return a value from a function then a value *-1* gets returned.
4. To return the control from middle of a function exit function should be used.
5. Function calls can be nested.

[A.](#) 1, 2, 5
[B.](#) 2, 3, 5
[C.](#) 2, 3
[D.](#) 4, 5
[E.](#) None of these

Answer: Option A

147. How many values is a function capable of returning?

[A.](#) 1
[B.](#) 0
[C.](#) Depends upon how many params arguments does it use.
[D.](#) Any number of values.
[E.](#) Depends upon how many ref arguments does it use.

Answer: Option A

148. How many values is a subroutine capable of returning?

[A.](#) Depends upon how many params arguments does it use.
[B.](#) Any number of values.
[C.](#) Depends upon how many ref arguments does it use.
[D.](#) 0
[E.](#) 1

Answer: Option D

149. Which of the following CANNOT occur multiple number of times in a program?

A. namespace	B. Entrypoint
C. Class	D. Function
E. Subroutine	

Answer: Option B

150. Which of the following statements are correct about subroutines used in C#.NET?

1. If we do not return a value from a subroutine then a value *-1* gets returned.
2. Subroutine definitions cannot be nested.
3. Subroutine can be called recursively.
4. To return the control from middle of a subroutine exit subroutine should be used.
5. Subroutine calls can be nested.

[A.](#) 1, 2, 3
[B.](#) 2, 3, 5
[C.](#) 3, 5
[D.](#) 3, 4
[E.](#) None of these

Answer: Option B

151. A function can be used in an expression, whereas a subroutine cannot be.

[A.](#) True

[B.](#) False

Answer: Option A

152. Which one of the following classes are present *System.Collections.Generic* namespace?

1. *Stack*
2. *Tree*
3. *SortedDictionary*
4. *SortedArray*

[A.](#) 1 and 2 only

[B.](#) 2 and 4 only

[C.](#) 1 and 3 only

[D.](#) All of the above

[E.](#) None of the above

Answer: Option C

153. Which of the following statements are valid about generics in .NET Framework?

1. Generics is a language feature.
2. We can create a generic class, however, we cannot create a generic interface in C#.NET.
3. Generics delegates are not allowed in C#.NET.
4. Generics are useful in collection classes in .NET framework.
5. None of the above

[A.](#) 1 and 2 Only

[B.](#) 1, 2 and 3 Only

[C.](#) 1 and 4 Only

[D.](#) All of the above

[E.](#) None of the above

Answer: Option C

154. Which of the following statements is valid about generic procedures in C#.NET?

[A.](#) All procedures in a Generic class are generic.

[B.](#) Only those procedures labeled as Generic are generic.

[C.](#) Generic procedures can take at the most one generic parameter.

[D.](#) Generic procedures must take at least one type parameter.

[E.](#) None of the above.

Answer: Option D

155. Which of the following statements is valid about advantages of generics?
- [A.](#) Generics shift the burden of type safety to the programmer rather than compiler.
 - [B.](#) Generics require use of explicit type casting.
 - [C.](#) Generics provide type safety without the overhead of multiple implementations.
 - [D.](#) Generics eliminate the possibility of run-time errors.
 - [E.](#) None of the above.

Answer: Option C

1. When will you use READ ONLY cursors?

- a. When you want to fetch a single record
- b. When you do not need to update cursor result sets(ANS)
- c. When you need to update cursor result sets
- d. When you want to fetch multiple records

2. What is the significance of the Diagram pane of the Query designer?
(Choose 3)

- a. It displays the tables and other table -valued objects that you are querying(ANS)
- b. Joins are indicated by lines between the rectangles(ANS)
- c. It displays the stored procedures that you want to design
- d. Each rectangle represents a table or a table valued objects and shows the available data columns(ANS)

3. How does a subquery with EXISTS work? (Choose 3)

- a. The subquery functions as an existencetest(ANS)
- b. The subquery returns a value of TRUE or FALSE(ANS)
- c. The WHERE clause of the outer query tests whether data exists in the subquery(ANS)
for each row of the outer query
- d. The subquery returns a list of rows that match the criteria

4. What does the SELECT statement define? (Choose 4)

- a. The conditions that the rows in the source tables must satisfy to qualify for the SELECT statement, These are specified in the WHERE and HAVING clauses(ANS)
- b. The tables contain the source data. This is specified in the FROM clause(ANS)
- c. The format of the result set This is specified mostly in the select list(ANS)
- d. The format of the database
- e. How the tables are logically separated for the purpose of the SELECT statement...(ANS)

5. XPath operators implicitly convert their operands if necessary. State True or False
ANS: TRUE

6. **SQL Server 2008 Security model is based on three Categories that separate the basic elements Of security which are those?**
a.Constraints b.Securables c.Principles d.Permissions

Ans : b,c,d

7. Identify steps in handling errors in a stored procedure. (Choose 3)
a. When an error condition is detected in a T-SQL statement that is inside a TRY block control is immediately passed to the CATCH block
b. The error is processed in the catch block
c. T-SQL statements in the TRY block that follow the statement that generated the error are not executed
d. The Error is processed in the TRY block
Ans: a,b,c

8. **What are the significance of Sequence Containers?**

- a. They define a control flow that is a subset of the package control flow
[] b They define conditions in a package
[] c. They define a repeating control flow in a package
d.They group the packages into multiple separate control flows ,each containing one or more tasks and containers that run within the overall package control flow
Ans: a,d

9. **Which of the following command displays the last statement sent from a client to an instance of Microsoft sql server?**

- a. DBCC DRQPCLEANBUFFERS
b. DBCC INPUTBUFFER(ANS)
C. DBCC FREEPROCCACHE
d. DBCC OUTPUTBUFFER

10. **Identify Non deterministic functions from the list?**

- a.GETUTCDATE b.CURRENT_TIMESTAMP c.DAY d.MONTH
e.GETDATE
ANS:a,b,e

11. **Which of the following statements are true about varbinary data type? (Choose 2)**

- a. The stored data can exceed 8000 bytes
b.The value is based on regular expression logic

- c. varbinary can hold binary data
 - d. varbinary can hold character data
- ans: a,d

12. _____ statement creates DDL,DML and Logon Triggers?

- a. **CREATE TRIGGER(ANS)**
- b. ALTER TRIGGER
- c. NEW TRIGGER
- d. MODIFY TRIGGER

13. Which of the following options of ON DELETE clause of a Foreign Key constraint?

- a. CASCADE
 - b. NO ACTION
 - c. SET DEFAULT
 - d. SET NULL
 - e. CLOSE
- ans: a,b,c,d

14. Why cant there be just one clustered index per table?

- a. because the table can only be sorted in one order.
- b. because the data rows themselves can be sorted in one order.(ANS)
- c. because the data columns themselves can be sorted in one order.
- d. because having one clustered index improves performance

14. Which of the following command displays the last statement sent from a client to an instance of Microsoft_SQL_Server?

- a. DBCC FREEPROCCACHE
- b. DBCC OUTPUTBUFFER
- c. DBCC DROPCLEAN BUFFERS
- d. DBCC INPUTBUFFERS(ANS)

15. SQL Server files have two names, which are those? (Choose 2)

- a. physical_file_name
 - b. logical_file_name(ANS)
 - c. os_file_name(ANS)
 - d. primary_file_name
- Ans: b,c

16. Which of the following are the different Securable scopes? (Choose 3)

- a. Database
 - b. Schema
 - c. Server
 - d. Client
- ANS: a,b,c

17. Triggers can be created directly from Transact-SQL statements or from methods of assemblies that are created in the Microsoft .NET Framework common language runtime (CLR) and uploaded to an instance of SQL Server.

State True or False.

ANS: TRUE

18. Identify the correct syntax for creating a Transact-SQL stored procedure.

- a. CREATE PROCEDURE procedure_name
- [{ @parameter_name} datatype [= default_value] [OUTPUT]]
- [{ WITH [RECOMPILE | ENCRYPTION | RECOMPILE~ ENCRYPTION
- AS

```

[BEGIN]
statements
[END]      (ANS)

b.CREATE PROCEDURE procedure_name
AS
[BEGIN]
statements
[END]
[ { @ parameter_name} datatype [= default_value] [OUTPUT]]
[ { WITH [RECOMPILE | ENCRYPTION | RECOMPILE~ ENCRYPTION

c.CREATE PROCEDURE procedure_name
[ { @parameter_name} datatype [= default_value] [OUTPUT]]
[ { WITH [RECOMPILE | ENCRYPTION | RECOMPILE~ ENCRYPTION
[BEGIN]
statements
[END]

d.CREATE PROCEDURE procedure_name
AS
[BEGIN]
[ { @parameter_name} datatype [= default_value] [OUTPUT]]
[ { WITH [RECOMPILE | ENCRYPTION | RECOMPILE~ ENCRYPTION
statements
[END]

```

19. What features are supported by SQLXML in SQL Server? (Choose 4)

- a. Ability to create an XML view of relational data by using an annotated XSD mapping schema file**
- b. Ability to transform the result of a query into XML on the client side**
- c. Ability to expose functionality offered by stored procedures~ user defined functions, and template queries as SOAP-based Web services**
- d, Ability to access SQL Server using TCP/IP**

e.Ability to access SQL Server using HTTP

ANS: a,b,c,e

20. Identify disadvantages of using cursors. (Choose 4)

- a.They consume more resources
- b.Performance gets hampered if only the required rows & columns are fetched
- c.Resources remain unused on the server if cursors are not closed properly
- d.Performance gets hampered if all the rows & columns are fetched
- e.Performance gets hampered due to network round trips if multiple rows have fetched

Ans: a,c,d,e

21. What is the significance of the SQL panel of the Query

designer? (Choose 3)?

- a. It lets you specify how to group rows
- b. You can edit the SQL statement created by the Designer or you can enter your own SQL statement
- c. It displays the SQL statement for the query or view
- d. It is particularly useful for entering SQL statements that cannot be created in the Diagram and Criteria panes, such as union queries

ANS: b,c,d

22. How do you implement CLR table-valued functions? (Choose 3)

- a. A custom interface has to be implemented
- b. A collection or an array is converted to a result set
- c. A custom interface has to be implemented
- d. IE innumerable interface has to be implemented

ANS: b,c,d

23. How will you ensure that the database is created for optimal performance during its creation?

- a. By creating a virtual database
- b. By placing data & log files on same disk drive
- c. By placing data & log files on separate disk drives
- d. By compressing the database

Ans: c

24. What happens when there are NULL values in the value column when aggregate functions are used with

☐ a. It will generate a Divide By Zero error

☐ b. Null values in the value columns are considered as Zeros when computing an aggregation

☐ c. Null values in the value columns are not considered when computing an aggregation(ANS)

☐ d. It will generate a null value exception

25. Which of the following statements are true about Information Schema views? (Choose 2)

- a. They do not contain metadata specific to SQL Server 2008
- b. Applications that use these views are portable between heterogeneous ISO compliant database systems
- c. They present the catalog information in a format that is independent of any catalog table implementation and therefore are not affected by changes in the underlying(ANS)
- e. They contain metadata specific to SQL Server 2008(ANS)

ANS: c,d

26. What features are supported by SQLXML in SQL Server? (Choose 4)

- a. Ability to create an XML view of relational data by using an annotated XSD mapping schema file
 - b. Ability to transform the result of a query into XML on the client side
 - c. Ability to expose functionality offered by stored procedures, user"-defined functions, and template queries as SOAP"-based Web services
 - d. Ability to access SQL Server using TCP/IP
 - e. Ability to access SQL Server using HTTP
- ANS: a,b,c,e

27. Which of the following argument of the CREATE TRIGGER statement specifies the security context under which the trigger is executed?

- ☐ a. ALL SERVER
- ☐ b. EXECUTE AS(ANS)
- ☐ c. INSTEAD OF
- ☐ d. WITH ENCRYPTION

28. What does the following code specify?
CREATE PROCEDURE Mary,AccessMyTable
WITH EXECUTE AS OWNER
AS SELECT ~ FROM Mary.MyTable;

- ☐ a. Following code specifies that the statements inside the module executes in the context of the current database
- ☐ b. Following code specifies that the statements inside the procedure are executed in the context of the Caller of the procedure
- ☐ c. Following code specifies that the statements inside the module are executed in the context of a specified user
- ☐ d. Following code specifies that the statements inside the module executes in the context of the current owner of the module(ANS)

29. Which of the following statements can be used to create a user defined datatype?

- ☐ a. CREATE TYPE(ANS)
- ☐ b. INSERT TYPE
- ☐ c. UPDATE d.CREATE

30. Which error function can be used in the CATCH block to retrun the error number?

- ☐ a. ERROR__STATE
- ☐ b. ERROR__NUMBER(ANS)
- ☐ c. ERROR__LINE
- ☐ d. ERROR__MESSAGE

31. How are rows handles by forward only cursors? (Choose 2)

- a. Forward-only cursor supports only fetching the rows serially from the start to the end of the cursor
- b. The rows are not retrieved from the database until they are fetched
- c. The rows are retrieved from the database immediately
- d. Forward-only cursor supports only fetching the rows in ascending order from the start to the end of the cursor

ANS: a,b

32. What does the select statement define?

- a. The format of the result set, This is specified mostly in the select list
- b. How the tables are logically related for the purposes of the SELECT statement. This is defined in the join specifications, which may appear in the WHERE clause or in an ON clause following FROM
- c. The format of the database
- d. The tables that contain the source data. This is specified in the FROM clause
- e. The conditions that the rows in the source tables must satisfy to qualify for the SELECT statement . These are specified in the WHERE and HAVING clauses.

ANS: a,b,d,e

33. Please identify the restrictions on SCALAR subqueries

- a. Scalar subqueries can't be used for RETURNING clauses
- b. Scalar subqueries can't be used for GROUP BY clauses
- c" Scalar subqueries can't be used for CASE statements
- d. Scalar subqueries can't be used for Default values for columns
- e. Scalar subqueries can't be used for ORDER BY clauses

ANS: b,d,e

34. _____ method specifies an XQuery against an instance of the xml data type.

- ☐ a. query()(ANS)
- ☐ b. exist()
- ☐ c. VALUE D. MODIFY

35. How do aggregate functions work? (Choose 3)

- a. They work only on integer values

- b. They ignore null values
- c They perform a calculation on a set of values and return a single/summarized value
- d.They cannot be used with the GROUP BY clause of the SELECT statement
- e.They are frequently used with the GROUP BY clause of the SELECT statement

Ans: a,c,e

36. How much data can be stored in a large value data type?

- O a. $3^{31}-1$ bytes
- O b. $4^{31}-1$ bytes
- O C $1^{31}-1$ bytes d. $2^{31}-1$ bytes(ans)

37. How is scalar valued function different from a stored procedure with respect to the return value?

- O a. Scalar valued function can return multiple values
- O b. Scalar valued function can have Only one OUTPUT parameter
- O C. Scalar valued function returns only one value
- d.Scalar valued function can have multiple OUTPUT parameter

ANS: c

38. Identify the syntax for passing parameters to a stored procedure

- O a. PARAM FirstName varchar(50)
- O b. @FirstName varchar(50)(ANS)
- O c. VALUE FirstName varchar(50)
- d. FirstName varchar(50)

39. What does the following syntax denote?

```
CREATE PARTITION FUNCTION partition_function_name ( input_parameter_type
AS RANGE [ LEFT | RIGHT ]
FOR VALUES ( [ boundary_value [ ~...n ] ] )
[;]
```

- ☐ a. It is a syntax for creating a partition table
- ☐ b. It is a syntax for creating a partition database
- ☐ c, It is a syntax for creating a partition function(ANS)
- d.It is a syntax for creating a partition scheme

40. How is error handling implemented in a stored procedure?

- ☐ a. Using the TRY...CATCH logic(ANS)
- ☐ b. Using ERR object
- ☐ c, Using On ERROR GOTO statement
- D.Using On ERROR statement

41. Which of the following statement is applicable to Nondeterministic functions?

- ☐ a. Nondeterministic functions always return the same result any time they are called with a specific set of input values even if the state of the database changes
- ☐ b. Nondeterministic functions may return different results each time they are called with a specific set of input values even if the database state that they access remains the same
- ☐ C, Nondeterministic functions always return the same result any time they are called With a specific set of input values and given the same state of the database

ANS: b

42. Which of the following are the categories that the XPath operators are divided into? (Choose4)

- g a. Relational operators
 - g b. Logical operators
 - g c Arithmetic operators
 - g d. Boolean operators
 - e.Equality operator
- ANS; a,c,d,e

43. What are the significance of precedence constraints? (Choose 3)

-] a. A precedence constraint links two executables: the precedence executable and the constrained executable
 - g b. The precedence executable runs after the constrained executable
 - g c. The precedence executable runs before the constrained executable
 - d.Precedence constraints link executables,containers,and tasks in packages into a control flow
- ANS: a,c,d

44. What are the performance considerations for storing data of type BLOB? (Choose 2)

- [a. If streaming access is needed, storing the data externally in a location such as the NTFS file system may be slower than storing inside a SQL Server database
- [b. If streaming access is needed, storing the data inside a SQL Server database may be slower than storing it externally in a location such as the NTFS file system
-] C When the BLOB is stored in the file system, the data is first read into SQL Server's memory and then passed back out through a client connection to the client application
- J d. When the BLOB is stored in a SQL Server database, the data is first read into SQL Server's memory and then passed back out through a client connection to the client Application

ANS:a,d

45. What does the max in the following syntax denote?

varbinary [(n | max)]

- O a. max indicates that the maximum storage size is 8000
- b. max indicates that the maximum storage size is 16000
- c. max indicates that the maximum storage size is $2^{31}-1$ (ANS)
- d, max indicates that the maximum storage size is $4^{31}-1$

46. For which of the following conditions, server cursors cannot be used? (Choose 3)

- [a. Batches or stored procedures that return multiple result sets
- [b. SELECT statements that contain WHERE, GROUP BY clauses
- [c An EXECUTE statement referencing a remote stored procedure
- c.d. Batches or stored procedures that return scalar values
- e.SELECT statements that contain COMPUTE~ COMPUTE BY, FOR BROWSE, clauses

ANS:a,c,e

47. What are your observations on the following code? (Choose 2)

USE Inventory;

GO

SELECT p.Name, pr.ProductReviewID

FROM Production.Product p

WHERE LEFT OUTER JOIN Production.ProductReview pr

ON p.ProductID = pr.ProductID

- a. There will be an error as an INNER JOIN will be required in the FROM clause
- b. In the following code LEFT OUTER JOIN is used in the WHERE clause
- , c. There will be an error as LEFT OUTER JOIN cannot be used in a WHERE clause
- d. In the following code a FULL JOIN in the form of LEFT OUTER JOIN is used in the WHERE clause

ANS: a,c

48. What does the following code denote?

INSERT INTO docs

SELECT 10, xCof

FROM (SELECT ~ FROM OPENROWSET

(BULK 'C: empxmffife.xmf',

SINGLE_BLOB) AS xCof) AS R(xCof)

O a. It is an example of Inserting Data into Typed XML Column

O b. It is an example of Inserting Data into the database

O c It is an example of inserting Data into Untyped XML Column from File(ANS)

d.It is an example of storing XML Data generated Using FOR XML with TYPE Directive

49. What does isolation mean in case of transactions?

O a. After a transaction has completed~ its effects are permanently in place in the system~ The modifications persist even in the event of a system failure

O b. All rules must be applied to the transaction's modifications to maintain data integrity~ All internal data structures, such as B tree indexes or doubly linked lists, must be correct at the end of the transaction

O c. Either all of its data modifications are performed, or none of them is performed

O d, Modifications made by concurrent transactions must be isolated from the modifications made by any other concurrent transactions(ANS)

50. For which attributes of columns, clustered indexes are not advisable? (Choose 2)

a. Columns change frequently b. When there are wide keys c. Columns are accessed sequentially

ANS:a,b

51. Which of the following are the conditions when indexes of views can provide significant performance advantages? (Choose 3)

a. When the view contains table joins

b. When the view contains a combination of

c. When the view contains compositions

d. When the view contains locks

e. When the view contains aggregations

ANS: a,b,e

52. How can you remove an extended stored procedure?

- O a. By using Sp_clearextendedproc system stored procedure
- O b. By using sp_deleteextendedproc system stored procedure
- O c By using sp_removeextendedproc system stored procedure
- d c By using sp_dropextendedproc system stored procedure(ANS)

53.FROM (SELECT * FROM OPENROWSET
BULK'C:empxmlfile.xml',SINGLE_BLOB)As XCol)AS R(xCol)

- O a. It is an example of Inserting Data into Typed XML Column
- O b. It is an example of Inserting Data into the database(ANS)
- O C It is an example of inserting Data into Untyped XML Column from File
- D, It is an example of storing XML data generated using FOR XML with TYPE directive

54. What does isolation mean in case of transactions?

- O a. After a transaction has completed, its effects are permanently in place in the system. The modifications persist even in the event of a system failure
- O b. AH rules must be applied to the transaction's modifications to maintain all data integrity. All internal data structures, such as B-tree indexes or doubly linked lists, must be correct at the end of the transaction
- O c Either all of its data modifications are performed~ or none of them is performed
- O d. Modifications made by concurrent transactions must be isolated from the modifications made by any other concurrent transactions(ANS)

55. For which attributes of columns, clustered indexes are not advisable? (Choose 2)

- J a. Columns change frequently
 - J b. When there are Wide keyS
 - c.Columns are accessed sequentially
 - d.Columns are unique or contain distinct values
- ANS:a,b

56. What are the significance of precedence constraints? (Choose 3)

- a. A precedence constraint links two executables: the precedence executable and the constrained executable

b. The precedence executable runs after the constrained executable

, C. The precedence executable runs before the constrained executable

d. Precedence constraints link executables, containers, and tasks in packages into a control flow

ANS: a,c,d

57. Members of the fixed database role can switch the default filegroup from one filegroup to another.

☐ a, db_owner(ANS)

b. db_accessadmin

☐ c. db_ddladmin

☐ D db_securityadmin

58. What expressions are used to create a computed column?

a. non computed column name b.constant c.function d.subquery

Ans: a,b,c

59. When is exclusive lock mode used?

a.It ensures that multiple updates cannot be made to the same resource at the same time

b.It is used for data modification operations like, INSERT,UPDATE,DELETE

c. It ensures that multiple updates can be made to the same resource at the same time

d. It is used for operations suchn as SELECT

ANS:a,b

60.For which of the following conditions ,server cursors cannot be used

a. Batches or stored procedures that return multiple result sets

[b. SELECT statements that contain WHERE~ GROUP BY clauses

, c An EXECUTE statement referencing a remote stored procedure

] d. Batches or stored procedures that return scalar values

e.Select statement that contain COMPUTE,COMPUTE BY,FOR BROWSE or INTO

ANS:a,c,e

61.Identify the syntax for passing parameters to a stored procedure

☐ a. PARAM FirstName varchar(50)

☐ b. @FirstName varchar(50)(ANS)

☐ c VALUE FirstName varchar(50)

☐ D FirstName varchar(50)

**62. Can you convert Nonpartitioned Table to a Partitioned Table? If yes~ how?
(Choose 2)**

, a" You cannot convert a Nonpartitioned Table to a Partitioned Table

b. By creating a partitioned non-"clustered index on the table by using the CREATE INDEX statement
 , c" By creating a partitioned clustered index on the table by using the CREATE INDEX statement
 J d" By using the ALTER TABLE SWITCH statement to switch the data of the table to a range -"indexed table that has a unique partition
 , e. By using the ALTER TABLE SWITCH statement to switch the data of the table to a rangepartitioned table that has only one partition
 ANS: c,e

63. Which of the following statements are true about disabling CLR integration in SQL Server? (Choose 3)

- a. When you disable CLR integration, SQL Server unloads all CLR routines
- b. When you disable CLR integration, SQL Server unloads all application domains
- c You can disable CLR integration by setting the clr enabled option to 0
- d. You can disable CLR integration by setting the clr enabled option to FALSE

ANS: a,b,c

64. How does DECLARECURSOR work? (Choose 3)

- Q a. It returns a Null value
- Q b. It accepts a syntax using a set of Transact""SQL extensions
- Q c It defines the attributes of a Transact""SQL server cursor
- Q d. It accepts a syntax based on the ISO standard

ANS:b,c,d

Carefully read the question and answer accordingly.

What are the advantages of using SQL Server Authentication?

- 1.Allows SQL Server to support Web-based applications where users create their own identities
- 2.Allows software developers to distribute their applications by using a complex permission hierarchy based on known, preset SQL Server logins
- 3.Can also use Kerberos Security protocol
- 4.Users can connect from unknown or untrusted domains
- 5.Additional password policies offered by Windows can be inherited for SQL Server logins

1&2&4

1&3&4

2&3&5

1&2&5

2&4&5

----->142

Carefully read the question and answer accordingly.

How is the support for XML integrated into SQL Server?

1.Support for the xml data type

2.Ability to specify an XQuery query against XML data stored in columns and variables of the xml type

3.Ability to handle bulk loading of XML data

4.Ability to merge XML

1&3&4

2&4

1&3

1&2&3

Ans:2,4

XPath consists of which of the following three types of files?

1.integer

2.string

3.number

4.boolean

1&2&3

1&4

2&3&4

2&4

----->234

Which statements are true about Data integrity?

1.It refers to each occurrence of a column having a correct data value

2.It indicates that the relationships between tables have been corectly maintained

3.The data value must be of right type

4.The data value must be in the correct domain

1&3&4

2&3&4

3&4

1&2

----->12

Which statements are true about sysname?

1.sysname is a system-supplied user-defined data type that is functionally equivalent to nvarchar(128)

2.sysname is a system-supplied user-defined data type that is functionally equivalent to nvarchar(256)

3.Sysname is not nullable

4.Sysname can hold Null & negative values

5.sysname is used to reference database object names

1&2&5

3&4&5

2&4&5

1&3&5

1&3&4

----->135

Which statements are true about DENSE_RANK function?

1.Returns the rank of rows within the partition of a result set, without any gaps in the ranking

2.The rank of a row is one plus the number of distinct ranks that come before the row in question

3.Returns the rank of each row within the partition of a result set

4.The rank of a row is one plus the number of ranks that come before the row in question

1&2

3&4

1&3

2&4

----->12

Carefully read the question and answer accordingly.

How are the transaction locks acquired by a SELECT statement controlled?

1.Controlled by the transaction concurrency setting for the connection

2.Controlled by the transaction isolation level setting for the connection

3.Controlled by any locking hints specified in the WHERE clause

4.Controlled by any locking hints specified in the FROM clause

3&4

1&2

2&4

1&2&3

----->24

Which are the different types of file groups?

- 1.Secondary
- 2.Primary
- 3.Use-defined
- 4.Hidden

3&4

1&4

1&2&3

2&3

----->23

Carefully read the question and answer accordingly.

Which one is the correct query regarding SQL –select Statements?

SELECT * FROM table_name WHERE (search-condition) GROUP BY (group by expression) HAVING(condition) ORDER BY (ASC/DESC)

SELECT (list of columns) FROM table_name WHERE (search-condition) HAVING(condition) ORDER BY (ASC/DESC) GROUP BY (group by expression)

SELECT * FROM table_name WHERE (search-condition) GROUP BY (group by expression) ORDER BY (ASC/DESC) HAVING(condition)

SELECT (list of columns) FROM table_name WHERE (search-condition) HAVING(condition) GROUP BY (group by expression) ORDER BY (ASC/DESC)

----->1

Which statements are true about default constraint?

- 1.A Default definition is used to add the values into the columns when values are omitted.
- 2.The default values must be compatible with the data type of the column to which the default applies.
- 3.The default values must be non compatible with the data type of the column to which the default applies.
- 4.A Default definition is used to add the values into the columns when values are not omitted.

1&2

1&4

3&4

2&3

----->12

Which statements are true about APPLY operator?

- 1.The APPLY operator allows you to join two table expressions
- 2.The APPLY operator allows you to join two columns from the same table
- 3.The right table expression is processed every time for each row from the left table expression
- 4.The left table expression is processed every time for each row from the right table expression

1&3

2&3

1&4

2&4

----->13(3 very much sure,1 sure if a table-valued function is also considered as table expression)

Which statements are true in difference between primary key and unique key?

- 1.Primary Key is also a unique key internally, but it cannot allow null
- 2.Primary Key is also a unique key internally, but it can allow null
- 3.Unique key on the other hand allow a single null and a multiple null in a column
- 4.Unique key on the other hand allow a single null but not multiple null over the column

1&2&4

2&3

1&4

1&2

----->14

Which statements are true about disabling CLR integration in SQL Server?

- 1.You can disable CLR integration by setting the clr enabled option to FALSE
- 2.You can disable CLR integration by setting the clr enabled option to 0
- 3.When you disable CLR integration, SQL Server unloads all CLR routines
- 4.When you disable CLR integration, SQL Server stops executing all CLR routines
- 5.When you disable CLR integration, SQL Server unloads all application domains

2&3&4

1&3&5

2&4&5

1&2

2&5

----->245

Which all languages can be used to develop a ASP.NET application?

- 1.C#
- 2.Visual Basic .NET
- 3.VisualBasic
- 4.C Language

1&3&4

2&4

3&4

1&2

----->12

Can we use components developed in VB6.0 in ASP.NET?

Yes; you can use VB6.0 components using COM Callable Wrapper (CCW)

Yes; at the assembly level components developed in VB6.0 are same as components developed in .NET, hence they can be used as any other .NET component

Yes; you can use VB6.0 components using Runtime Callable Wrapper (RCW) (ANS)

What are the different parts of an ASP.NET web page?

1. An aspx page consisting UI elements (file name with extension .aspx)
2. A code behind file consisting of corresponding code (file name with same name as the aspx page & having an extension .cs)
3. A configuration file with .config extension
4. A resource file with .resx extension

1&2

3&4

2&3

1&4

----->12

Carefully read the question and answer accordingly.

What does the following code snippet denote?

```
<asp:TextBox  
SkinID="DashedTextBox"  
BorderStyle="Dashed"  
BorderWidth="5px"  
Runat="Server" />
```

Usage of a stylesheet

Usage of a Default skin

Usage of a Master page

Usage of a Named skin ----->ans

Carefully read the question and answer accordingly.

What does the following listing denote?

```
<configuration>
  <system.web>
    <pages theme="Website" />
  </system.web>
</configuration>
```

Registering a theme in web.config ----->ans

Registering a StyleSheetTheme in web.config

Registering a MasterPage in web.config

Registering a Skin in web.config

How can you expose properties & methods from a Master Page so that they are modifiable from a particular content page?

By declaring them as protected

By declaring them as private

You cannot expose properties & methods from a Master Page so that they are modifiable from a particular content page

By declaring them as public

Ans:By declaring them as public

What does the following code denote?

```
PHONENO: <asp:TextBox id="txtPinCode" runat="SERVER"></asp:TextBox>
  <asp:RegularExpressionValidator
    id="txtPhoneNumber_validation" runat="SERVER"
    ControlToValidate="txtPhoneNumber"
    ErrorMessage="Enter a valid Phone number with area code"
    ValidationExpression="\d{4}(-\d{8})?">
  </asp:RegularExpressionValidator>
```

Usage of RequiredFieldValidator

Usage of RangeValidator

Usage of RegularExpressionValidator ----->ans

Usage of CustomValidator

Which are the different mechanisms of setting a property of a user control once it is exposed? (eta integration a ache nut answer a doubt ache)

- 1.The property can be set declaratively
- 2.The property can be set in a config file
- 3.The property can be set programmatically
- 4.The property can be set dynamically

1&3&4

1&2&4

2&4

1&3 ----->ans

How will you optimize the performance of the cursor if there are multiple rows & columns to be fetched? (etar ans nei integration a)

- 1.Use all columns in the Declare statement
- 2.Use only the required columns in the Declare statement
- 3.Change your where clause in the declare statement to only return rows the cursor needs
- 4.Ensure you have optimal indexes in place

2&3&4

3&4

1&2

1&3&4

----->234

How do FORWARD_ONLY cursors work?

- 1.Data is fetched in bulk
- 2.Data is fetched sequentially from the first to the last row
- 3.FETCH NEXT is the only fetch option supported
- 4.FETCH PREVIOUS is the only fetch option supported

2&3&4

1&3&4

1&4

2&3

----->23

Integration Services includes three types of containers that you can use in a control flow, which are they?

- 1.The DoWhile Loop container
- 2.The Foreach Loop container
- 3.The For Loop container
- 4.The Sequence container
- 5.The Switch container

1&2&5

1&2&3&4

3&4

4&5

----->234

2&3&4

Multiple Choice Questions

51. Which language is not a true object-oriented programming language?

- a.) VB.NET
- b.) VB 6
- c.) C++
- d.) C#
- e.) Java

Answer: b Level: Easy

Section: 6-1 Page: 107

52. A GUI:

- a.) uses buttons, menus, and icons.
- b.) should be easy for a user to manipulate.
- c.) stands for Graphic Use Interaction.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 6-1 Page: 106

53. Visual Studio .NET provides which feature:

- a.) debugging.
- b.) application deployment.
- c.) syntax checking.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 6-2 Page: 107

54. What does IDE stand for?

- a.) Integrated Development Environment
- b.) Integrated Design Environment
- c.) Interior Development Environment
- d.) Interior Design Environment
- e.) None of the above.

Answer: a Level: Moderate

Section: 6-2 Page: 107

55. Which type of project can a developer choose in the New Project dialog box?

- a.) Visual Basic Projects
- b.) Visual C# Projects
- c.) Visual C++ Projects
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 6-2 Page: 108

56. Which is not a main component of the Visual Studio IDE?

- a.) Solution Explorer
- b.) Tool Box
- c.) Start Menu
- d.) Designer Window
- e.) Properties Window

Answer: c Level: Easy

Section: 6-2 Page: 110

57. Which does the solution explorer not display?

- a.) Form Properties
- b.) Reference Folder
- c.) Form File
- d.) Assemble File
- e.) All are part of the solution explorer.

Answer: a Level: Easy

Section: 6-2 Page: 111

58. Which is true about the name and text property of a control?

- a.) They are the same when the control is first created.
- b.) The text property changes to match any changes in the name property.
- c.) The name property changes to match any changes in the text property.
- d.) They are never the same unless the programmer makes it that way.
- e.) They are not allowed to be the same and an error will occur if they are.

Answer: a Level: Hard

Section: 6-3 Page: 113

59. For which task does the IDE provide multiple ways to accomplish the task?

- a.) Putting a control on the form
- b.) Running the program
- c.) Activating the property window for a control
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 6-3 Page: 111

60. Which are the standard prefixes for the Button and Combo box controls respectively?

- a.) btn and chb
- b.) btn and cbo
- c.) bto and chb
- d.) bto and cbo
- e.) cmd and cbo

Answer: b Level: Moderate

Section: 6-3 Page: 113

61. Which are the standard prefixes for the text box and label controls respectively?

- a.) tex and lbl
- b.) tex and lab
- c.) txb and lbl
- d.) txb and lab
- e.) txt and lab

Answer: c Level: Moderate

Section: 6-3 Page: 113

62. Which task is accomplished in the Code editor?

- a.) Adding forms to the project
- b.) Adding controls to the form
- c.) Adding event procedures to the form
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 6-3 Page: 115

63. Which is not a feature of a GUI that makes learning a program easy for users?

- a.) Online help
- b.) WYSIWYG formatting
- c.) Dialog boxes
- d.) Detailed key strokes and commands
- e.) Icons

Answer: d Level: Easy

Section: 6-4 Page: 119

64. An object is composed of:

- a.) properties.
- b.) methods.
- c.) events.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 6-5 Page: 120

65. Which statement about objects is true?

- a.) One object is used to create one class.
- b.) One class is used to create one object.
- c.) One object can create many classes.
- d.) One class can create many objects.
- e.) There is no relationship between objects and classes.

Answer: d Level: Moderate

Section: 6-5 Page: 120

66. Which is not true about forms and controls in Visual Basic?

- a.) They are pre-built.
- b.) They are graphical objects.
- c.) New versions of the classes must be created with each project.
- d.) Buttons can be created with the drag and drop method.
- e.) All of the above are true.

Answer: c Level: Moderate

Section: 6-5 Page: 120

67. Which is an example of Visual Basic Objects?

- a.) Control objects
- b.) ASP.NET
- c.) ADO.NET
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 6-5 Page: 120

68. The .Net class library:

- a.) contains over 25,000 classes.
- b.) uses namespaces to manage all of the classes.
- c.) has the System.Form namespace for classes used in Windows-based application.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Hard

Section: 6-5 Page: 120

69. Which is not a property of the Common control class?

- a.) Show
- b.) BackColor
- c.) Font
- d.) ForeColor
- e.) Name

Answer: a Level: Easy

Section: 6-6 Page: 123

70. Which property determines whether a control is displayed to the user?

- a.) Hide
- b.) Show
- c.) Visible
- d.) Enabled
- e.) Cursor

Answer: c Level: Hard

Section: 6-6 Page: 123

71. The Button control can be activated:

- a.) programmatically through the click event.
- b.) by clicking the button with the mouse.
- c.) with the form's DefaultButton property.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 6-6 Page: 124

72. The CancelButton property belongs to which object?

- a.) Button
- b.) Form
- c.) Label
- d.) TextBox
- e.) Timer

Answer: b Level: Moderate

Section: 6-6 Page: 124

73. A click event procedure stud for the label control can be created by:

- a.) selecting the object and event from the code editor window's drop-down boxes.
- b.) typing the code in the code editor window.
- c.) by double clicking the control.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 6-7 Page: 126

74. In event-driven programming an event is generated by:

- a.) the system.
- b.) a user's action.
- c.) the program itself.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 6-7 Page: 125

75. Which is not a common control event?

- a.) Click
- b.) SingleClick
- c.) DoubleClick
- d.) MouseMove
- e.) MouseDown

Answer: b Level: Easy

Section: 6-7 Page: 125

76. The Tick event is found only in which object?

- a.) Form
- b.) Button
- c.) TextBox
- d.) Label
- e.) Timer

Answer: e Level: Easy

Section: 6-7 Page: 126

77. The Activated event is found only in which object?

- a.) Form
- b.) Button
- c.) TextBox
- d.) Label
- e.) Timer

Answer: a Level: Easy

Section: 6-7 Page: 126

78. The Rnd statement will generate a(n):

- a.) decimal value between 0.01 and 1.00.
- b.) integer value between 0.01 and 1.00.
- c.) decimal value between 0.0 and 1.0.
- d.) integer value between 0.0 and 1.0.
- e.) decimal value between 0.0 and up to 1.0, but not including 1.0.

Answer: e Level: Moderate

Section: 6-7 Page: 127

79. The analysis phase of software development involves:

- a.) collecting the requirements about what the program will accomplish.
- b.) creating a detailed plan on how the program will accomplish the requirements.
- c.) writing the software with a program such as VB.NET.
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Moderate

Section: 6-8 Page: 129

80. Which phase of project development typically costs the most?

- a.) Analysis
- b.) Design
- c.) Implementation
- d.) Maintenance
- e.) Documentation

Answer: d Level: Easy

Section: 6-8 Page: 129

Multiple Choice Questions

51. Which is not an integer data type?

- a.) Single
- b.) Byte
- c.) Short
- d.) Integer
- e.) Long

Answer: a Level: Moderate

Section: 7-1 Page: 143

52. Which is a numeric data type?

- a.) Floating point
- b.) Integer
- c.) Boolean
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 7-1 Page: 143

53. Which sequence of char data types is listed from lowest to highest?

- a.) a, A, z, Z
- b.) a, z, A, Z
- c.) A, a, Z, z
- d.) A, Z, a, z
- e.) z, a, Z, A

Answer: d Level: Moderate

Section: 7-1 Page: 145

54. The Date data type does not hold which type of information.

- a.) Seconds
- b.) Hours
- c.) Days
- d.) Months
- e.) Quarters

Answer: e Level: Easy

Section: 7-1 Page: 145

55. The Boolean data type:

- a.) is unsigned.
- b.) has two states.
- c.) is displayed by the program as yes or no.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 7-1 Page: 144

56. Which is a valid statement for declaring a variable?

- a.) Const Form As Integer
- b.) Const myForm As Integer
- c.) Dim Form As Integer
- d.) Dim myForm As Integer
- e.) All of the above.

Answer: d Level: Moderate

Section: 7-2 Page: 147

57. VB.Net identifiers:

- a.) are case sensitive.
- b.) can begin with an underscore.
- c.) can begin with a number.
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 7-2 Page: 147

58. The name of a constant:

- a.) must both begin with a letter and be all upper case.
- b.) does not have to begin with a letter but must be all upper case.
- c.) must begin with a letter but can be upper or lower case.
- d.) does not have to begin with a letter and be either upper or lower case.
- e.) None of the above.

Answer: d Level: Moderate

Section: 7-2 Page: 148

59. The proper operator precedence, from first to last, is:

- a.) logical, comparison, and arithmetic.
- b.) arithmetic, comparison, and logical.
- c.) arithmetic, logical, and comparison.
- d.) comparison, arithmetic, and logical.
- e.) logical, arithmetic, comparison.

Answer: b Level: Moderate

Section: 7-3 Page: 151

60. With A = False and B = True, which statement evaluates as True?

- a.) A AND A
- b.) A AND B
- c.) B AND A
- d.) B AND B
- e.) None are true.

Answer: d Level: Easy

Section: 7-3 Page: 151

61. With A = False and B = True, which statement evaluates as False?

- a.) A OR A
- b.) A OR B
- c.) B OR A
- d.) B OR B
- e.) None are true.

Answer: a Level: Easy

Section: 7-3 Page: 151

62. Which operator is evaluated first?

- a.) NOT
- b.) AND
- c.) XOR
- d.) OR
- e.) They are always evaluated left-to-right.

Answer: a Level: Moderate

Section: 7-3 Page: 151

63. The left side of an assignment statement will hold:

- a.) a variable.
- b.) an object property.
- c.) an expression.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Easy

Section: 7-4 Page: 152

64. The right side of an assignment statement will hold:

- a.) a variable.
- b.) an object property.
- c.) an expression.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Easy

Section: 7-4 Page: 152

65. Which function will return the monthly payments of a loan?

- a.) Pay (Rate, PV, Nper)
- b.) Pmt (Rate, Nper, PV)
- c.) FV (Rate, Nper, Pmt)
- d.) FV (Rate, Nper, PV)
- e.) None of the above.

Answer: b Level: Easy

Section: 7-5 Page: 154

66. Which function returns the numbers represented in the string "\$56.7"?

- a.) Abs
- b.) CDbI
- c.) Int
- d.) Rnd
- e.) Val

Answer: b Level: Moderate

Section: 7-5 Page: 153

67. What will the function Val (\$165.30) return?

- a.) 0
- b.) 165
- c.) 165.30
- d.) \$165.30
- e.) An error

Answer: a Level: Easy

Section: 7-5 Page: 153

68. Which function displays a pop-up window?

- a.) MsgBox
- b.) InputBox
- c.) TextBox
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Easy

Section: 7-6 Page: 156

69. Which is true about the prompt argument?

- a.) It can be made of multiple values concatenated into one string.
- b.) It can include the vbCrLf constant.
- c.) It can include the ampersand symbol to concatenate strings.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 7-6 Page: 157

70. In order to process a number typed in a TextBox the programmer must:

- a.) use the Val function to convert the Text value.
- b.) use the CDbI function to convert the Text value.
- c.) use the IsNumeric function to convert the Text value.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 7-7 Page: 158

71. Which TextBox method does not use the clipboard?

- a.) Clear
- b.) Copy
- c.) Cut
- d.) Paste
- e.) All of these methods use the clipboard.

Answer: a Level: Easy

Section: 7-7 Page: 159

72. Which TextBox property should always be changed first?

- a.) AcceptsReturn
- b.) BorderStyle
- c.) Font
- d.) Name
- e.) Text

Answer: d Level: Moderate

Section: 7-7 Page: 158

73. Which is not a valid value for the ListBox SectionMode Property?

- a.) None
- b.) One
- c.) MultiSimple
- d.) MultiExtended
- e.) All of the above.

Answer: e Level: Moderate

Section: 7-8 Page: 160

74. Setting the SelectedIndex property of a ListBox to -1 will:

- a.) cause an error.
- b.) cannot be done.
- c.) de-select any selected item.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Hard

Section: 7-8 Page: 160

75. Which method of a ListBox will remove just one item at a time?

- a.) Items.RemoveAt
- b.) Item.RemoveAt
- c.) Items.ClearAt
- d.) Item.ClearAt
- e.) Items.Clear

Answer: a Level: Moderate

Section: 7-8 Page: 160

76. The Items property of a ComboBox:

- a.) is a collection of items.
- b.) is the same as the Items property of a ListBox.
- c.) contains methods and properties.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 7-9 Page: 162

77. Which value for the ComboBox DropDownStyle property allows a user to type in data?

- a.) DropDown
- b.) DropDownSimple
- c.) DropDownList
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Moderate

Section: 7-9 Page: 164

78. Which two controls combined to form the ComboBox control?

- a.) ListBox and TextBox
- b.) ListBox and InputBox
- c.) ListBox and MsgBox
- d.) Label and TextBox
- e.) Label and InputBox

Answer: a Level: Easy

Section: 7-9 Page: 162

Multiple Choice Questions

44. When a condition in an If...Then statements tests true:

- a.) the next Else statement is activated.
- b.) the next If statement is activated.
- c.) the next Then statement is activated.
- d.) the End If statement is activated.

e.) a condition can never test true.

Answer: c Level: Moderate

Section: 8-1 Page: 176

45. The End If statement is required:

- a.) in all If...Then statements.
- b.) in all Multi-line statements with Else.
- c.) in Single Line statements.
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 8-1 Page: 177

46. Which statements are optional in an If...Then statement?

- a.) If
- b.) Then
- c.) Else
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Easy

Section: 8-1 Page: 177

47. Which selection process is an example of multiple branches from a single expression?

- a.) If...Then
- b.) Select Case
- c.) Do...Loop
- d.) For...Next
- e.) All of the above.

Answer: b Level: Hard

Section: 8-2 Page: 179

48. How many times is the test expression of a Select Case evaluated?

- a.) 0
- b.) 1
- c.) 2
- d.) Once for each Case.
- e.) It depends on the value of the test expression.

Answer: b Level: Moderate

Section: 8-2 Page: 180

49. Which is not a type of Select Case test construct?

- a.) simple value
- b.) complex value
- c.) relational value with Is
- d.) range of values with To
- e.) All of the above are types of test constructs.

Answer: b Level: Hard

Section: 8-2 Page: 180

50. What happens in a Select Case construct when a test value matches the test expression?

- a.) The corresponding block of statements is run.
- b.) The next Case test value is checked.
- c.) The Case Else statement is run.
- d.) The Select Case construct is exited.
- e.) An error is generated.

Answer: a Level: Moderate

Section: 8-2 Page: 180

51. Do...Loop is an iterative statement because it:

- a.) selects a block of statements to run.
- b.) runs the same block of statements repeatedly.
- c.) selects a block of statements and runs it repeatedly.
- d.) selects a block of statements and runs it a specified number of times.

e.) All of the above.

Answer: b Level: Hard

Section: 8-3 Page: 181

52. Which is true of a Do...Loop?

- a.) The While condition goes after the Do keyword.
- b.) The Until condition goes after the Do keyword.
- c.) The While condition goes after the Loop keyword.
- d.) The Until condition goes after the Loop keyword.
- e.) All of the above.

Answer: e Level: Easy

Section: 8-3 Page: 181

53. Which Do...Loop statement should be used to process test scores where a test score over 100 is a signal to stop the processing?

- a.) Do While Score > 100
- b.) Do Until Score > 100
- c.) Loop While Score > 100
- d.) Loop Until Score > 100
- e.) All of the above are valid for this situation.

Answer: b Level: Hard

Section: 8-3 Page: 182

54. In the For...Next statement the default value for the Step is:

- a.) -1
- b.) 0
- c.) 1
- d.) 2
- e.) There is no default for the step value.

Answer: c Level: Easy

Section: 8-4 Page: 184

55. The For...Next Loop is used when:

- a.) a choice is made based on a Boolean condition.
- b.) a block of statements is executed an unknown number of times.
- c.) a block of statements is executed a known number of times.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Easy

Section: 8-4 Page: 184

56. The advantage of For...Next loops over Do...Loops is that they are:

- a.) easier to read and maintain.
- b.) less prone to being infinite loops.
- c.) good for working with arrays.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 8-4 Page: 185

57. Which is not a valid Exit statement?

- a.) Exit Do
- b.) Exit For
- c.) Exit Form
- d.) Exit Select
- e.) Exit Sub

Answer: c Level: Moderate

Section: 8-5 Page: 187

58. A sentinel value:

- a.) is used to prevent infinite loops.
- b.) must be a negative value.
- c.) signals the end of a list of data.

- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Easy

Section: 8-5 Page: 187

59. Which function should be used to validate that input is not a string before performing arithmetic operations?

- a.) IsArithmetic
- b.) IsNotString
- c.) IsNumeric
- d.) IsString
- e.) IsValue

Answer: c Level: Moderate

Section: 8-5 Page: 189

60. Which is not a type of error programmers look for?

- a.) Logic
- b.) Runtime
- c.) Superficial
- d.) Syntax
- e.) All are errors programmers look for.

Answer: c Level: Easy

Section: 8-6 Page: 190

61. Which action will raise an exception?

- a.) Dividing by zero.
- b.) Assigning the string "Hi" to an integer variable.
- c.) Accessing an empty CD drive.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 8-6 Page: 190

62. An Exception is another name for a:

- a.) compile error.
- b.) logic error.
- c.) runtime error.
- d.) superficial error.
- e.) syntax error.

Answer: c Level: Moderate

Section: 8-6 Page: 190

63. What is the most number of states a CheckBox can have?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) 4

Answer: d Level: Moderate

Section: 8-7 Page: 193

64. What is the standard prefix for the name of a CheckBox?

- a.) chb
- b.) chk
- c.) ckb
- d.) ckx
- e.) cbx

Answer: b Level: Easy

Section: 8-7 Page: 193

65. A CheckBox can also appear as a(n):

- a.) button.
- b.) RadioButton.

- c.) ScrollBar.
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Easy

Section: 8-7 Page: 195

66. What is the standard prefix for the name of a RadioButton?

- a.) rad
- b.) rab
- c.) rdo
- d.) rdb
- e.) rbt

Answer: a Level: Easy

Section: 8-8 Page: 195

67. How many RadioButtons in a Group Box can be selected at the same time?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) 4

Answer: b Level: Easy

Section: 8-8 Page: 195

68. Which event is activated when a RadioButton is selected?

- a.) Checked
- b.) CheckedChanged
- c.) Selected
- d.) SelectedChanged
- e.) SelectionChanged

Answer: b Level: Moderate

Section: 8-8 Page: 196

Multiple Choice Questions

51. Which is a type of procedure found in VB.Net?

- a.) Event
- b.) Function
- c.) Sub
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 9-1 Page: 212

52. The methodology where code is broken into small, logical procedures is called:

- a.) event-driven programming.
- b.) functional programming.
- c.) granular programming.
- d.) modular programming.
- e.) procedural programming.

Answer: d Level: Hard

Section: 9-1 Page: 212

53. When using a procedure the calling code sends data via the:

- a.) actual argument to the formal parameter of the procedure.
- b.) formal argument to the actual parameter of the procedure.
- c.) actual parameter to the formal argument of the procedure.
- d.) formal parameter to the actual argument of the procedure.
- e.) All of the above.

Answer: a Level: Hard

Section: 9-1 Page: 212

54. From how many places in the code can a procedure be called?

- a.) 0

- b.) 1
- c.) 2
- d.) 3
- e.) As many times as needed.

Answer: e Level: Easy

Section: 9-1 Page: 212

55. Which parameter is found in an event procedure?

- a.) e
- b.) Sender
- c.) Receiver
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 9-2 Page: 213

56. Which is an optional element of an event procedure?

- a.) End Sub
- b.) Handles
- c.) Object_Event
- d.) Statements
- e.) Sub

Answer: d Level: Moderate

Section: 9-2 Page: 213

57. What happens when a parameter in a procedure is declared ByVal?

- a.) Only arguments of numeric data types are allowed.
- b.) A reference to the argument is sent to the procedure.
- c.) A copy of the argument is sent to the procedure.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Easy

Section: 9-2 Page: 213

58. Which is a valid way to write the procedure stub for an object's default event?

- a.) Use the Class and Method combo boxes in the Code Editor window.
- b.) Double click on the object in the Form Designer window.
- c.) Type the procedure declaration in the Code Editor window.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 9-2 Page: 214

59. A sub procedure is valuable because it:

- a.) makes code easier to maintain.
- b.) splits the logic to solve a problem into small, manageable units.
- c.) limits the number of times the code can be accessed.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 9-3 Page: 214

60. Which is not an optional element of a sub procedure declaration?

- a.) Parameters
- b.) Public
- c.) Private
- d.) Statements
- e.) Sub

Answer: e Level: Moderate

Section: 9-3 Page: 215

61. Which is a valid way to write a sub procedure declaration?

- a.) Use the Class and Method combo boxes in the Code Editor window.

- b.) Double click on the object in the Form Designer window.
- c.) Type the procedure declaration in the Code Editor window.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 9-3 Page: 215

62. Which statement will send the value generated by a function procedure, called CalculateTax, back to the calling code?

- a.) `Return Sales*0.08`
- b.) `CalculateTax = Sales*0.08`
- c.) `Return CalculateTax (Sales*0.08)`
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 9-4 Page: 217

63. Which part of a function procedure declaration statement is optional?

- a.) Datatype
- b.) Function
- c.) Parameters
- d.) Private
- e.) ProcedureName

Answer: c Level: Hard

Section: 9-4 Page: 217

64. How many return statements are allowed in a Function Procedure?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) There is no limit.

Answer: e Level: Easy

Section: 9-4 Page: 217

65. Why should a variable not be declared as a module variable?

- a.) It prevents a procedure from being self contained.
- b.) It makes it easier to document the code.
- c.) Local variable names can be reused in other procedures.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 9-5 Page: 219

66. Which variable name uses a standard naming convention for module variables?

- a.) `mWeight`
- b.) `mdWeight`
- c.) `modWeight`
- d.) `moduleWeight`
- e.) `module_Weight`

Answer: a Level: Easy

Section: 9-5 Page: 218

67. The scope of a variable refers to:

- a.) the length of the variable.
- b.) the name of the variable.
- c.) the accessibility of the variable.
- d.) the datatype of the variable.
- e.) the lifetime of the variable.

Answer: c Level: Moderate

Section: 9-5 Page: 218

68. What is the value of the index for the first element in a VB.NET array?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) Depends on what the assigned value is.

Answer: a Level: Moderate

Section: 9-6 Page: 219

69. Which method will return the number of elements in an array?

- a.) Dimension
- b.) Length
- c.) Number
- d.) Size
- e.) UpperBound

Answer: b Level: Moderate

Section: 9-6 Page: 219

70. In the statement, Dim Days(7) as String, what part of the array does the number 7 refer to?

- a.) Array name
- b.) Datatype
- c.) Lowerbound
- d.) Upperbound
- e.) Size

Answer: d Level: Moderate

Section: 9-6 Page: 220

71. What is required to reference an element in an array?

- a.) Array name
- b.) Index value of the element
- c.) Element value
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 9-6 Page: 220

72. Which method will arrange the elements of an array in alphabetical order?

- a.) Arrange
- b.) Assemble
- c.) Order
- d.) Rank
- e.) Sort

Answer: e Level: Easy

Section: 9-6 Page: 222

73. The number of variables allowed in a structured is:

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) Any number of variables can be declared in an array.

Answer: e Level: Easy

Section: 9-7 Page: 226

74. The variable inside a structure is called a(n):

- a.) associate.
- b.) constituent.
- c.) element.
- d.) member.
- e.) part.

Answer: d Level: Moderate

Section: 9-7 Page: 226

75. Which datatype can an array not hold?

- a.) TextBoxes
- b.) Labels
- c.) Structures
- d.) Controls
- e.) An array can hold all of the above.

Answer: e Level: Easy

Section: 9-8 Page: 228

76. An array of controls can be populated by:

- a.) assigning existing controls to the array.
- b.) creating controls and assigning them to the array.
- c.) borrowing controls that will automatically assign them to the array.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 9-8 Page: 228

77. The Tag property can:

- a.) only hold string values.
- b.) only hold integer values.
- c.) only hold Boolean values.
- d.) only hold controls.
- e.) hold any data defined by the programmer.

Answer: e Level: Hard

Section: 9-8 Page: 228

78. The KeyPress event will capture pressing the key:

- a.) A.
- b.) shift.
- c.) control.
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Easy

Section: 9-9 Page: 233

79. Which argument in the KeyPress parameter list contains the Handled property?

- a.) Sender
- b.) e
- c.) Object
- d.) KeyPressEventArgs
- e.) None of the above.

Answer: b Level: Hard

Section: 9-9 Page: 233

Multiple Choice Questions

41. Which menu item is not typically found in the File Menu?

- a.) Close
- b.) Copy
- c.) Exit
- d.) Print
- e.) Save

Answer: b Level: Easy

Section: 10-1 Page: 250

42. What is the name of the control for putting menus on a form?

- a.) FormMenu
- b.) MenuForm
- c.) MenuControl
- d.) MainMenu
- e.) Menu

Answer: d Level: Easy

Section: 10-1 Page: 251

43. The standard prefix for a menu item is:

- a.) men.
- b.) meu.
- c.) mit.
- d.) mni.
- e.) mnu.

Answer: e Level: Easy

Section: 10-1 Page: 254

44. Which menu object property places a check mark in the display of the menu text?

- a.) Check
- b.) Checked
- c.) CheckMark
- d.) CheckOn
- e.) RadioCheck

Answer: b Level: Moderate

Section: 10-1 Page: 253

45. Which symbol creates an access key in the text of a menu item?

- a.) @
- b.) #
- c.) \$
- d.) %
- e.) &

Answer: e Level: Moderate

Section: 10-1 Page: 252

46. Which is not a standard dialog box?

- a.) ColorDialog
- b.) FontDialog
- c.) OpenFileDialog
- d.) PrintDialog
- e.) ZoomDialog

Answer: e Level: Easy

Section: 10-2 Page: 255

47. Why are standard dialog boxes used?

- a.) They are easy to create.
- b.) They provide functionality familiar to users.
- c.) Developers can create their own versions of Dialog boxes.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 10-2 Page: 255

48. How are dialog boxes implemented in a program?

- a.) A dialog box is generated programmatically.
- b.) A dialog control is placed in the component tray.
- c.) A dialog control is placed on the form.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 10-2 Page: 255

49. The standard prefix for a dialog control is:

- a.) dal.
- b.) dia.
- c.) dil.
- d.) dlc.
- e.) dlg.

Answer: e Level: Easy

Section: 10-3 Page: 257

50. What is the method used to activate the color dialog box?

- a.) ActivateDialog
- b.) DisplayDialog
- c.) ExhibitDialog
- d.) ShowDialog
- e.) StartDialog

Answer: d Level: Moderate

Section: 10-3 Page: 256

51. The name of the class used to programmatically create a color dialog box is:

- a.) Color
- b.) ColorBox
- c.) ColorDialog
- d.) ColorDisplay
- e.) ColorDisplayBox

Answer: c Level: Moderate

Section: 10-3 Page: 257

52. The name of the class used to programmatically create a font dialog box is:

- a.) Font.
- b.) FontBox.
- c.) FontDialog.
- d.) FontDisplay.
- e.) FontDialogBox.

Answer: c Level: Moderate

Section: 10-3 Page: 258

53. Which OpenFileDialog control property specifies the choices in the "Files of type" dropdown box?

- a.) FileName
- b.) FileNames
- c.) FileType
- d.) Filter
- e.) FilterIndex

Answer: d Level: Moderate

Section: 10-4 Page: 258

54. Which property is the same in the OpenFileDialog and the SaveFileDialog control?

- a.) FileName
- b.) Filter
- c.) InitialDirectory
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 10-4 Page: 259

55. Which method is found in both the StreamReader and StreamWriter class?

- a.) Close
- b.) Peak
- c.) Flush
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Easy

Section: 10-4 Page: 259

56. The StreamReader and StreamWriter class are both subclasses of which class?

- a.) IO
- b.) Stream
- c.) StreamIO
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Hard

Section: 10-4 Page: 260

57. Which dialog control allows the user to zoom in on a document?

- a.) PrintDialog
- b.) PrintPreview
- c.) PageSetupDialog
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 10-5 Page: 262

58. Which dialog control has a Document property?

- a.) PrintDialog
- b.) PrintPreview
- c.) PageSetupDialog
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 10-5 Page: 264

59. Which object must be assigned to the Document property?

- a.) Document
- b.) DocumentPage
- c.) DocumentPrint
- d.) PageDocument
- e.) PrintDocument

Answer: e Level: Hard

Section: 10-5 Page: 262

60. When is the PrintPage event activated?

- a.) When the PrintDialog control is displayed.
- b.) When an assignment is made to the Document property.
- c.) The first time the Print method is called.
- d.) Every time a page is printed after the Print method is called.
- e.) None of the above.

Answer: d Level: Moderate

Section: 10-5 Page: 262

61. Which controls can activate the PrintPage event?

- a.) PrintDialog
- b.) PrintPreview
- c.) PageSetupDialog
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 10-5 Page: 263

62. Which type of file can be played with the Windows Media Player control?

- a.) MPEG
- b.) AVI
- c.) WAV
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 10-6 Page: 265

63. The Windows Media Player control:

- a.) is located in the toolbox by default.
- b.) is located in the toolbar.
- c.) can be added to the toolbar.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 10-6 Page: 265

64. The Windows Media Player control can:

- a.) display video output.
- b.) create audio output.
- c.) generate tactile output.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 10-6 Page: 265

65. Which Windows Media Player control property will hide the player from user's view?

- a.) Anchor
- b.) FileName
- c.) Location
- d.) ShowControl
- e.) Visible

Answer: e Level: Moderate

Section: 10-6 Page: 266

Multiple Choice Questions

46. Where is a single element of data stored?

- a.) Field
- b.) Record
- c.) Table
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Easy

Section: 11-1 Page: 287

47. Where is a collection of related data elements stored?

- a.) Field
- b.) Record
- c.) Table
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Easy

Section: 11-1 Page: 287

48. Which is true about the primary key?

- a.) Every table should have a primary key.
- b.) A primary key exclusively identifies each row in a table.
- c.) A primary key can be made of multiple fields.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 11-1 Page: 287

49. A foreign key:

- a.) has nothing to do with the primary key.
- b.) has different values than the primary key.
- c.) is found in tables that don't have a primary key.
- d.) is related to the primary key of a different table.
- e.) is a unique record in a table.

Answer: d Level: Hard

Section: 11-1 Page: 287

50. Which is not a program that can create a database?

- a.) Access
- b.) MySQL
- c.) Oracle
- d.) SQL Server
- e.) All of the above can be used to create a database.

Answer: e Level: Easy

Section: 11-1 Page: 288

51. What does the term DBMS stand for?

- a.) Database Management Schema
- b.) Database Management Style
- c.) Database Management System
- d.) Database Manipulation Schema
- e.) Database Manipulation Style

Answer: c Level: Moderate

Section: 11-1 Page: 288

52. The normalization process is:

- a.) used to remove redundant data.
- b.) used to make the storage of data more efficient.
- c.) not recommended for most databases.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Hard

Section: 11-1 Page: 289

53. Which clause is required in an SQL query for getting information from a database?

- a.) JOIN
- b.) ON
- c.) ORDER BY
- d.) SELECT
- e.) WHERE

Answer: d Level: Moderate

Section: 11-2 Page: 289

54. How many fields can be specified in the SELECT clause?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) As many as needed.

Answer: e Level: Moderate

Section: 11-2 Page: 290

55. How many records are specified in the SELECT clause?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) As many as needed.

Answer: a Level: Hard

Section: 11-2 Page: 290

56. Which is the wildcard symbol for selecting all the fields in a table?

- a.) @
- b.) #
- c.) ^
- d.) *
- e.) +

Answer: d Level: Easy

Section: 11-2 Page: 290

57. The WHERE clause is used to restrict the number of _____ retrieved by an SQL statement.

- a.) fields
- b.) records
- c.) tables
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Easy

Section: 11-2 Page: 291

58. Which is not a valid type of JOIN?

- a.) LEFT JOIN
- b.) MIDDLE JOIN
- c.) RIGHT JOIN
- d.) INNER JOIN
- e.) All of the above are valid types.

Answer: b Level: Moderate

Section: 11-2 Page: 293

59. The ORDER BY clause is used to sort:

- a.) fields.
- b.) records.
- c.) tables.
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 11-2 Page: 291

60. Which database is the ADO.NET SqlConnection object designed for?

- a.) Access
- b.) Microsoft SQL Server
- c.) MySQL
- d.) Oracle
- e.) None of the above.

Answer: b Level: Easy

Section: 11-3 Page: 294

61. Which property of the database must the connection object contain?

- a.) Location
- b.) Type
- c.) Query
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 11-3 Page: 294

62. Which is not a tab on the DataLink Property window?

- a.) Advanced
- b.) All
- c.) Adapter
- d.) Connection
- e.) Provider

Answer: c Level: Hard

Section: 11-3 Page: 296

63. What information is specified in the Connection tab of the DataLink window?

- a.) Database login
- b.) Database name
- c.) Database type
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Hard

Section: 11-3 Page: 297

64. The first step of configuring a DataAdapter is to select:

- a.) an adapter object.
- b.) a connection object.
- c.) a database object.
- d.) a dataset object.
- e.) None of the above.

Answer: b Level: Moderate

Section: 11-3 Page: 298

65. Which DataAdapter Query Type can be used with the Access database?

- a.) Use SQL statements.
- b.) Create new stored procedure.
- c.) Use existing stored procedure.
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Easy

Section: 11-3 Page: 299

66. Which is not an ADO.NET DataAdapter Object?

- a.) OleDbDataAdapter
- b.) SqlDataAdapter
- c.) QueryDataAdapter
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Easy

Section: 11-3 Page: 299

67. Which is the appropriate prefix for a DataAdapter object?

- a.) da
- b.) daa
- c.) dad
- d.) dt
- e.) dta

Answer: a Level: Easy

Section: 11-3 Page: 300

68. Which type of object has the Generate Dataset method?

- a.) Adapter object
- b.) Connection object
- c.) Database object
- d.) Dataset object
- e.) None of the above.

Answer: a Level: Moderate

Section: 11-3 Page: 300

69. Which is the appropriate prefix for a Dataset object?

- a.) da
- b.) das
- c.) dat
- d.) ds
- e.) dst

Answer: d Level: Easy

Section: 11-3 Page: 300

70. Which object does the data-aware control bind to?

- a.) Dataset
- b.) DataAdapter
- c.) Connection
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Easy

Section: 11-4 Page: 300

71. What is the proper code to put data into the dataset called CustomerDataset using the CustomerDataAdapter object?

- a.) CustomerDataset.Fill(CustomerDataAdapter)
- b.) CustomerDataAdapter.Fill(CustomerDataset)
- c.) CustomerDataset.Load(CustomerDataAdapter)
- d.) CustomerDataAdapter.Load(CustomerDataset)

e.) None of the above.

Answer: b Level: Moderate

Section: 11-4 Page: 303

72. Which object contains the Position property of the current record in a dataset?

a.) BindingContext

b.) BindingData

c.) DataBinding

d.) DataBound

e.) DataContext

Answer: a Level: Moderate

Section: 11-4 Page: 303

73. The first record in a dataset has a position property of:

a.) zero.

b.) one.

c.) any value defined by the programmer.

d.) Both a and b.

e.) All of the above.

Answer: a Level: Easy

Section: 11-4 Page: 303

74. Which below is specified by the DataMember Property?

a.) Connection object

b.) DataAdapter object

c.) Database field

d.) Database table

e.) Dataset object

Answer: d Level: Moderate

Section: 11-5 Page: 305

75. Which below is specified by the DataSource Property?

a.) Connection object

b.) DataAdapter object

c.) Database field

d.) Database table

e.) Dataset object

Answer: e Level: Moderate

Section: 11-5 Page: 305

76. Which is a property of the DataGrid control?

a.) DataMember

b.) DataSource

c.) DataQuery

d.) Both a and b.

e.) All of the above.

Answer: d Level: Easy

Section: 11-5 Page: 305

Multiple Choice Questions

41. HTML stands for:

a.) Huge Makeup Language.

b.) Huge Text Makeup Language.

c.) Hypertext Makeup Language.

d.) Hypertext Markup Language.

e.) None of the above.

Answer: d Level: Easy

Section: 12-1 Page: 320

42. Which symbol is used to enclose HTML tags?

a.) ()

b.) < >

c.) []

d.) { }

e.) None of the above.

Answer: b Level: Easy

Section: 12-1 Page: 320

43. Which symbol identifies an HTML end tag?

a.) !

b.) |

c.) /

d.) \

e.) ?

Answer: c Level: Moderate

Section: 12-1 Page: 320

44. Which HTML tag does not use an end tag?

a.) B

b.) center

c.) HR

d.) I

e.) U

Answer: c Level: Moderate

Section: 12-1 Page: 321

45. Which statement is not true?

a.) An HTML document can be displayed in any internet browser.

b.) HTML is used to change the formatting of the displayed text.

c.) An HTML document is created with an HTML development editor.

d.) Both a and b.

e.) All of the above.

Answer: c Level: Moderate

Section: 12-1 Page: 321

46. Which HTML tag creates a link to another browser page?

a.) A href

b.) A ref

c.) An href

d.) An ref

e.) href

Answer: a Level: Hard

Section: 12-1 Page: 321

47. Which type of computer should host a web server?

a.) Apple

b.) IBM

c.) Sun

d.) UNIX

e.) Any type can host a web server.

Answer: e Level: Easy

Section: 12-2 Page: 322

48. Where does a web application reside?

a.) Web client

b.) Web server

c.) Visual Studio .NET

d.) Both a and b.

e.) All of the above.

Answer: b Level: Moderate

Section: 12-2 Page: 322

49. Which is an example of a web document?

a.) Server script

b.) Web page

c.) Client browser

- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Hard

Section: 12-2 Page: 322

50. Which is an advantage of using a Web application to deliver an Information System solution?

- a.) Most end users are familiar with using an internet browser.
- b.) Web applications are platform independent.
- c.) Upgrading the application is not very costly.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 12-2 Page: 323

51. A postback occurs when:

- a.) a browser posts a form to the server.
- b.) a user's action activates the handing of a server event.
- c.) a server posts a form to the client.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 12-2 Page: 323

52. When does a "round trip" start in a web application?

- a.) The server requests an action from the user.
- b.) The user activates a server control event.
- c.) The browser posts a form to the server.
- d.) The server processes a control event.
- e.) The server posts a new HTML page.

Answer: b Level: Hard

Section: 12-2 Page: 323

53. Which software can be used to create an HTML page?

- a.) Notepad
- b.) Word
- c.) Visual Studio .NET
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 12-3 Page: 324

54. Which set of symbols are used to signify the presence of ASP.NET code?

- a.) <@
- b.) <#
- c.) <\$
- d.) <%
- e.) <&

Answer: d Level: Moderate

Section: 12-3 Page: 324

55. Which is the file extension used for an ASP.NET file?

- a.) asn
- b.) asp
- c.) aspn
- d.) aspx
- e.) asx

Answer: d Level: Easy

Section: 12-3 Page: 325

56. When an ASP.NET file is placed on an IIS server and viewed through a browser, the resulting HTML page contains:

- a.) all ASP.NET code.
- b.) as much ASP.NET code as is in the ASP.NET file.

- c.) a mix of ASP.NET and HTML code.
- d.) all HTML code.
- e.) None of the above.

Answer: d Level: Moderate

Section: 12-3 Page: 326

57. What is the extension for a Visual Basic web form interface file?

- a.) .asp
- b.) .aspx
- c.) .asp.vb
- d.) .aspx.vb
- e.) .asp.vb.net

Answer: b Level: Easy

Section: 12-4 Page: 327

58. What is the extension for a Visual Basic web form code file?

- a.) .asp
- b.) .aspx
- c.) .asp.vb
- d.) .aspx.vb
- e.) .asp.vb.net

Answer: d Level: Easy

Section: 12-4 Page: 327

59. Which user action will not generate a server-side event?

- a.) Mouse Move
- b.) Text Change
- c.) Button Click
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Moderate

Section: 12-4 Page: 327

60. Because of the latency of a round-trip on the internet:

- a.) the interface and code of a web form are stored in separate files.
- b.) only some user actions, such as button clicks, will generate events.
- c.) it is best to use server-side control.
- d.) web applications should be coded in Visual Basic.
- e.) None of the above.

Answer: b Level: Hard

Section: 12-4 Page: 327

61. Which property is used to name a web control?

- a.) ControlName
- b.) Designation
- c.) ID
- d.) Name
- e.) Title

Answer: c Level: Moderate

Section: 12-4 Page: 330

62. Which language is used to create an ASP.NET code file?

- a.) Visual Basic
- b.) C#
- c.) C++
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 12-4 Page: 331

63. It is best to use a web instead of a windows application when the application:

- a.) has a thin front end (client).
- b.) needs to be available to the public.

- c.) must be platform-independent.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 12-4 Page: 332

Multiple Choice Questions

31. Which is not a fundamental service identified in a three-tier architecture?

- a.) Association layer
- b.) Connection layer
- c.) Logical layer
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 13-1 Page: 345

32. Which layer is exemplified by a web server?

- a.) Application
- b.) Association
- c.) Data
- d.) Logical
- e.) Presentation

Answer: a Level: Easy

Section: 13-1 Page: 345

33. Which layer is exemplified by a fat client?

- a.) Application
- b.) Association
- c.) Data
- d.) Logical
- e.) Presentation

Answer: e Level: Moderate

Section: 13-1 Page: 345

34. Which layer is exemplified by the use of ADO.NET?

- a.) Application
- b.) Association
- c.) Data
- d.) Logical
- e.) Presentation

Answer: c Level: Moderate

Section: 13-1 Page: 345

35. How will using a middle tier typically affect the number of connections to a database?

- a.) Increase the number
- b.) Have no effect on the number
- c.) Decrease the number
- d.) It depends on the type of client.
- e.) It depends on the type of database.

Answer: c Level: Hard

Section: 13-1 Page: 345

36. An application layer:

- a.) will contain business logic.
- b.) manage connections to the database.
- c.) can be distributed over many computers.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Moderate

Section: 13-1 Page: 345

37. A data layer is responsible for:

- a.) retrieving information from a database.

- b.) updating information in a database.
- c.) deleting information in a database.
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 13-1 Page: 345

38. What is the minimum number of computers in a three-tier architecture?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) 4 or more

Answer: b Level: Easy

Section: 13-1 Page: 346

39. A server farm is:

- a.) an example of a distributed application.
- b.) makes it easy to add new computers if demand increases.
- c.) applies only to web servers.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 13-1 Page: 346

40. Which is a valid type of state management for the creation of web pages?

- a.) Client side
- b.) Server side
- c.) Data side
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Easy

Section: 13-2 Page: 346

41. The stateless HTTP protocol refers to web pages created:

- a.) on a web server.
- b.) without information from a database.
- c.) without knowledge of previous web pages.
- d.) before a request from a client.
- e.) on a client machine.

Answer: c Level: Moderate

Section: 13-2 Page: 346

42. Client-side state management techniques are appropriate when using:

- a.) sensitive information.
- b.) critical applications.
- c.) an intranet.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 13-3 Page: 346

43. Where does the view state store information?

- a.) HTML source
- b.) Text file
- c.) URL
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Moderate

Section: 13-3 Page: 347

44. Where does the query string store information?

- a.) HTML source

- b.) Text file
- c.) URL
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 13-3 Page: 347

45. Where do cookies store information?

- a.) HTML source
- b.) Text file
- c.) URL
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 13-3 Page: 347

46. Which client-side technique is specific to ASP.NET?

- a.) Cookies
- b.) Query string
- c.) View state
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Hard

Section: 13-3 Page: 347

47. Which client-side technique can be disabled by the end-user?

- a.) Cookies
- b.) Query string
- c.) View state
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Moderate

Section: 13-3 Page: 347

48. What symbol specifies the beginning of a query string?

- a.) @
- b.) #
- c.) \$
- d.) %
- e.) ?

Answer: e Level: Easy

Section: 13-3 Page: 347

49. What is the syntax for creating and using an application variable?

- a.) Application.VariableName = Value
- b.) Application.VariableName = (Value)
- c.) Application(VariableName) = Value
- d.) Application(VariableName) = (Value)
- e.) Application("VariableName") = Value

Answer: e Level: Moderate

Section: 13-4 Page: 348

50. Which server-side technique is available in ASP.NET?

- a.) Application states
- b.) Session states
- c.) Database support
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Easy

Section: 13-4 Page: 349

51. An Application variable is created:

- a.) when the application is first placed on a web server.

- b.) when the web server is first started.
- c.) when the first client requests a URL resource.
- d.) every time a client requests a URL resource.
- e.) every time a new client interacts with the web application.

Answer: c Level: Moderate

Section: 13-4 Page: 348

52. A Session variable is created:

- a.) when the application is first placed on a web server.
- b.) when the web server is first started.
- c.) when the first client requests a URL resource.
- d.) every time a client requests a URL resource.
- e.) every time a new client interacts with the web application.

Answer: e Level: Moderate

Section: 13-4 Page: 349

53. If there is no activity from a browser, how long will a session variable last?

- a.) 10 minutes
- b.) 20 minutes
- c.) 60 minutes
- d.) 100 minutes
- e.) 200 minutes

Answer: b Level: Easy

Section: 13-4 Page: 349

54. Which is not a reason for using a database to store state information?

- a.) The capacity to store high volumes of information
- b.) The ability to use data mining techniques on the stored information
- c.) The ability to use application and session variables
- d.) Security from unauthorized use
- e.) The power to easily query for specific information

Answer: c Level: Hard

Section: 13-4 Page: 350

Multiple Choice Questions

37. Which control is an example of an object in VB.NET?

- a.) Button
- b.) Label
- c.) Textbox
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 14-1 Page: 390

38. Which of the following is part of an object?

- a.) Methods
- b.) Properties
- c.) Instances
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 14-1 Page: 390

39. Which is true about objects?

- a.) Objects are used to create classes.
- b.) Objects are analogous to blueprints.
- c.) Objects combine actions and data.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 14-1 Page: 391

40. Properties are used to represent:

- a.) actions.
- b.) classes.
- c.) data.
- d.) events.
- e.) instances.

Answer: c Level: Easy

Section: 14-1 Page: 391

41. Methods are used to represent:

- a.) actions.
- b.) classes.
- c.) data.
- d.) events.
- e.) instances.

Answer: a Level: Easy

Section: 14-1 Page: 391

42. The term instantiation refers to the creation of:

- a.) a class from a blueprint.
- b.) an object from a class.
- c.) a method from an object.
- d.) a property from a method.
- e.) a blueprint from a property.

Answer: b Level: Moderate

Section: 14-1 Page: 391

43. Anything in VB.NET that has a property or method is:

- a.) a class.
- b.) a control.
- c.) an object.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 14-1 Page: 391

44. Which feature is needed to make a programming language object oriented?

- a.) Encapsulation
- b.) Inheritance
- c.) Polymorphism
- d.) Both a and b.
- e.) All of the above.

Answer: e Level: Easy

Section: 14-2 Page: 391

45. We should think of the practice of object-oriented programming as:

- a.) a simple answer to the complex problem of creating software.
- b.) an incremental improvement to the problem of creating software.
- c.) the way to get rid of a werewolf.
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 14-2 Page: 391

46. Encapsulation makes it easier to:

- a.) reuse and modify existing modules of code.
- b.) write and read code by sharing method names.
- c.) hide and protect data from external code.
- d.) Both a and b.
- e.) All of the above.

Answer: c Level: Moderate

Section: 14-2 Page: 392

47. Inheritance makes it easier to:

- a.) reuse and modify existing modules of code.
- b.) write and read code by sharing method names.
- c.) hide and protect data from external code.
- d.) Both a and b.
- e.) All of the above.

Answer: a Level: Moderate

Section: 14-2 Page: 392

48. Polymorphism makes it easier to:

- a.) reuse and modify existing modules of code.
- b.) write and read code by sharing method names.
- c.) hide and protect data from external code.
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Moderate

Section: 14-2 Page: 393

49. The standard prefix to signify a class is:

- a.) B.
- b.) C.
- c.) L.
- d.) S.
- e.) T.

Answer: e Level: Moderate

Section: 14-2 Page: 392

50. When using encapsulation how should data be shared with external code?

- a.) Events
- b.) Methods
- c.) Properties
- d.) Private variables
- e.) Public variables

Answer: c Level: Moderate

Section: 14-2 Page: 392

51. Which statement is true?

- a.) A base class inherits some of the properties of a derived class.
- b.) A base class inherits all of the properties of a derived class.
- c.) A derived class inherits some of the properties of a base class.
- d.) A derived class inherits all of the properties of a base class.
- e.) None of the above.

Answer: d Level: Moderate

Section: 14-2 Page: 392

52. When a base class is changed:

- a.) there is no effect on the derived class.
- b.) the derived class changes when the key word Overridden is used.
- c.) only the methods of the derived class change.
- d.) only the properties of the derived class change.
- e.) the derived class automatically changes.

Answer: e Level: Easy

Section: 14-2 Page: 392

53. Polymorphism can apply to:

- a.) math operators.
- b.) method names.
- c.) object names.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 14-2 Page: 393

54. With polymorphism:

- a.) one method can have multiple names.
- b.) one object can have multiple names.
- c.) many methods can share the same name.
- d.) many objects can share the same name.
- e.) None of the above statements are true.

Answer: c Level: Hard

Section: 14-2 Page: 393

55. Which element of a class is optional?

- a.) Constructs
- b.) Fields
- c.) Methods
- d.) Properties
- e.) All of the above.

Answer: e Level: Moderate

Section: 14-3 Page: 394

56. What is the suggested order for the definition of class elements from first to last?

- a.) Constructs, fields, methods, properties
- b.) Properties, constructs, fields, methods
- c.) Fields, properties, constructs, methods
- d.) Constructs, properties, fields, methods
- e.) Methods, constructs, properties, fields

Answer: c Level: Hard

Section: 14-3 Page: 394

57. The standard for designing a field is that it be defined as a:

- a.) private method.
- b.) public method.
- c.) private variable.
- d.) public variable.
- e.) None of the above.

Answer: c Level: Moderate

Section: 14-3 Page: 393

58. What is the syntax for making a property read-only?

- a.) Property Read propertyname As datatype
- b.) Read Property propertyname As datatype
- c.) ReadOnly Property propertyname As datatype
- d.) Read-Only Property propertyname As datatype
- e.) RO Property propertyname As datatype

Answer: c Level: Moderate

Section: 14-3 Page: 395

59. The Get procedure of a property acts like:

- a.) an event.
- b.) a function.
- c.) a variable.
- d.) Both a and b.
- e.) All of the above.

Answer: b Level: Hard

Section: 14-3 Page: 395

60. A method in a class is:

- a.) a sub procedure.
- b.) a function.
- c.) an event.
- d.) Both a and b.
- e.) All of the above.

Answer: d Level: Moderate

Section: 14-3 Page: 396

61. How many constructors can a class have?

- a.) 0
- b.) 1
- c.) 2
- d.) 3
- e.) All of the above.

Answer: e Level: Easy

Section: 14-3 Page: 397

62. A constructor is a special type of:

- a.) class.
- b.) field.
- c.) method.
- d.) property.
- e.) variable.

Answer: c Level: Easy

Section: 14-3 Page: 397

63. Which is true for constructors in a class?

- a.) All constructors must have the same number of parameters.
- b.) All constructors must be the same parameter data type.
- c.) Some constructors can have the same list of parameters.
- d.) Only two constructors in a class can have the same list of parameters.
- e.) No two constructors in a class can have the same list of parameters.

Answer: e Level: Moderate

Section: 14-3 Page: 397

64. Which statement will call a constructor of a base class?

- a.) Base.New()
- b.) BaseConstructor.New ()
- c.) CallBase.New()
- d.) Constructor.New ()
- e.) MyBase.New()

Answer: e Level: Moderate

Section: 14-3 Page: 397

