Microsoft .NET (120 Minutes)

1. What is Manifest in .NET?
   1. In .NET Framework Namespace metadata stored in Manifest.
   2. In .NET Framework Assembly metadata stored in Manifest.
   3. .NET Framework use Manifest to stored only Assemblies version.
   4. None of the above
2. Manifest contains all the metadata needed to do which of the following?
   1. Version of assemblies
   2. Scope of assemblies.
   3. Reference to resource and class
   4. All of the above
3. Which of the following is true about Namespace in .NET?
   1. An assembly can contain any number of Namespace
   2. Same namespace can exist in different assemblies
   3. Namespace is a logically group types
   4. All of the above
4. Which of the following class is used to compare type of images?
   1. ImageFormat Class
   2. BitMapDataClass
   3. ImageFormat Class
   4. BitMapDataClass
5. What do you mean by CAS?
   1. Code Access Security
   2. Class Access Security
   3. Code Access Services
   4. Class Access Service
6. Which of the following is true about Application domain?
   a. It is the boundary within which an application runs. A process can contain multiple application domains.
   b. It provides an isolated environment to applications that is similar to the isolation provided by processes.
   1. Only a
   2. Only b
   3. Both a and b
   4. None of the above
7. An Activity is the fundamental building block of workflows. An Activity defines a set of properties and events, such as any class, along with execution logic that defines the activity's run-time behavior. A set of additional components can be associated with an Activity. Which of the following class do all activities derive from?
   1. System.Workflow.ComponentModel.CodeActivity
   2. System.Workflow.ComponentModel.ActivityBind
   3. System.Workflow.ComponentModel.CompositeActivity
   4. System.Workflow.ComponentModel.Activity
8. Which of the following is TRUE regarding workflows and the workflow runtime engine?
   1. There can be several workflow runtime engines within an application domain
   2. Compiled workflows can be executed inside console applications, forms-based applications, Windows Services and ASP.NET Web sites
   3. Each instance of the runtime engine can support multiple workflow instances running concurrently
   4. All of the above
9. Which of the following is FALSE regarding workflow Code Conditions and Declarative Rule Conditions?
   a. Code Conditions can be modified at runtime without the need to recompile any code Conditions work by writing code within an event handler that evaluate to a Boolean result
   b. Declarative Rule Conditions are defined separately from the workflow code
   1. Only a
   2. Only b
   3. Both a and b
   4. None of the above
10. You are designing a new windows workflow that meets the needs of the HR department of you organization. This workflow should contain an activity that calls a local service with a set of parameters. Which type of activity should you add to the workflow?
    1. StateActivity
    2. CallExternalMethodActivity
    3. EventDrivenActivity
    4. CompensateActivity
11. Which of the following control does not have any visible interface?
    1. Repeater
    2. DataList
    3. Datagrid
    4. DropdownList
12. A project on which you are working calls for you to store small amount of frequently changing information about a page on the client. For this project, security is not a worry. Which is the best method to use?
    1. A cookie
    2. A hidden form field
    3. A query string
    4. A javascript function
13. Do I need IIS to develop a Web application in ASP.NET 2.0?
    1. Yes
    2. No
    3. Can not say
    4. None of the above
14. What's a web browser?
    1. A kind of spider.
    2. A software program that allows you to access sites on the World Wide Web
    3. A computer that stores World Wide Web files.
    4. A person who likes to look at websites.
15. Which of the following is true about ASP.net support?
    a. ASP.NET support server-side includes and server-side object tags
    b. ASP.NET doesn't support server-side includes but supports server-side object tags
    1. Only a
    2. Only b
    3. Both a and b
    4. None of the above

16. Which of the following is true about Smart navigation?
    1. Persist scroll position when moving from page to page
    2. Doesn't work with sites protected with SSL
    3. Both a and b
    4. None of the above
17. Which of the following cache strategy is best option if we are developing a web application that is retrieving historical books information from a database server and displays it to the users of our application?
    1. Use the cache object
    2. Use the ASP.NET central cache
    3. Use the client cache
    4. Use the output cache
18. ASP.NET supports Custom Error Pages that can be specified at which of the following place?
    1. Specify application-wide error page settings in the customErrors section of the Web.config file
    2. Specify an error page for a specific Web form in the ErrorPage attribute of the Web form's @ Page directive
    3. Both 1 and 2
    4. None of the above
19. Which of the following is/are the way of handling exceptions in ASP.NET?
    1. Try/catch/finally block
    2. Using Events like Page_Error and Application_Error
    3. Using Custom error page
    4. All of the above
20. You are developing an application in which you have to implement workflow that follows a sequence like a flowchart, progressing from one stage to another without turning back. Which of the following type of workflow is suitable for this application?
    1. Sequential workflow
    2. State Machine Workflow
    3. Rules-Driven Workflow
    4. Liner workflow
21. edit is not possible in Which of the following control?
    1. Datagrid
    2. Repeater
    3. DataList
    4. All of the above
22. Which of the following is sequence of steps for Asp .Net life cycle?
    1. Page_Init>> Page_Load>> LoadViewState>> LoadPostData >> Page_UnLoad
    2. Page_Init>> Page_Load>> LoadPostData >>LoadViewState>> Page_UnLoad
    3. Page_Init>> LoadViewState>> LoadPostData >> Page_Load>>Page_UnLoad
    4. Page_Init>> LoadPostData >>LoadViewState>> Page_Load>>Page_UnLoad
23. I have created a new class in a .NET project that contains a wide variety of operations grouped together to form part of a Server Contract. Now I need to add an attribute to the class to define it as a service contract. Which of the following attribute should I use?
    1. ServiceContractAttribute
    2. DataContractAttribute
    3. DataMemberAttribute
    4. OperationContractAttribute

24. You are working on a project for your company. The project makes extensive use of the System.Data.SqlClient namespace to read and write data to a SQL Server database. You have created an SQLCommand object and set its CommandText property. What must you do before executing the SQLCommand object?
    1. Set its Notification property to null
    2. Open the connection for the SQLCommand
    3. Set its Site property to the local SQLConnection
    4. Set the commands timeout property
25. A software development team is working on a next generation web application for a gaming company. The website uses several nice AJAX style Javascript libraries to show images using fading and animation. One page should start displaying the animation as soon as the page loads. You want to inject the Javascript programmatically. Which of the following code method is suitable?
    1. Page.ClientScript.RegisterClientScriptInclude
    2. Page.ClientScript.RegisterClientScriptResource
    3. Page.ClientScript.RegisterStartupScript
    4. Page.Client.RegisterStartupScript
26. You are developing a large image gallery web application, in which you have created a new web services that you want to call asynchronously using AJAX techniques. However, when you try and call the method it does not appear to be available. What could be the possible cause of this?
    1. You forgot to add [System.Web.Script.Services.ScriptService] to the web service class
    2. You forgot to add [System.Web.Script.Services.ScriptMethod] to the web service class
    3. You forgot to add [System.Web.Script.Services.GenerateScript Type] to the web service class
    4. You forgot to add [System.Web.Script.Services.GenerateScript] to the web service class
27. In a simple ASP .Net application that reads records from their Sales database and sends SMTP mail to clients with new promotion and special offer. Which of the following using/import statement is used?
    1. System.Web.Mail
    2. System.Net.Sockets
    3. System.Net.Mail
    4. System.Web.Hosting
28. I am working on a process monitoring application that launches a Windows Form, passes some keystrokes to the form and then closes the application. Which method of the Process object should I use to close this application?
    1. CloseMainWindow
    2. Kill
    3. Close
    4. Dispose
29. Which of the following object is used to write the edited XmlDocument object back to disk to save the changes permanently?
    1. XmlTextReadWriter
    2. XmlTextWriter
    3. BinaryWriter
    4. StreamWriter

30. Which is the most appropriate place to install a Strong-Named assembly that is intended for use among several web applications?
    1. GAC on the local area network Primary Domain Controller (PDC) server
    2. The solution's /bin directory
    3. The Virtual Directory of the ASP.Net Web Application
    4. The Global Assembly Cache on the Web Server

31. Which of the following statements would you use to properly describe unit testing?
    1. With carefully planned test data, run a module to see if it integrates well with other modules
    2. With carefully planned test data, run the module to see if it works according to its specifications
    3. Testing performed by users, just before the Web Application is released
    4. Test and fix the errors

32. _____ is used for deploying an ActiveX component from a web application.
    1. Cab setup Project
    2. Cab Project
    3. Web Setup Project
    4. Windows Setup Project

33. You are working on an ASP.Net web application for a company. As a member of the development team, it is your job to write ASP.Net code and test the web applications you are developing. Developers are tasked with testing each individual function and block of code.
    What is this type of testing called?
    1. Unit testing
    2. Integration testing
    3. Regression testing
    4. Load testing

34. By default, a .Net web site is configured with which of the following authentication types?
    1. Basic
    2. Windows Forms
    3. Windows 2000
    4. IIS Anonymous

35. Which of the following is used to obtain performance information about your Web Application?
    1. Web Performance Counters
    2. Performance Counters
    3. Data Performance Counters
    4. Data Readers

36. You have loaded several thousand records into a DataTable and want to filter those records by LastName = 'Sharma'. Which method of the DataTable class should you use?
    1. DisplayExpression
    2. Locale
    3. Select
    4. Site

37. As part of a larger .NET application, you have been assigned with managing data access to and from external systems. To help make the application very responsive, you have decided to use Asynchronous data access. One particular method should retrieve all the sales records that occurred that day. Which method call of the SqlCommand class should you use?
    1. ExecuteNonQuery
    2. ExecuteReader
    3. BeginExecuteReader
    4. BeginExecuteNonQuery

38. _____is a technique that will help to improve the performance and scalability of any .NET application.
    1. Connection Strings
    2. DataAdaptor
    3. SQL Injection
    4. Connection Pooling

39. A particular area of your .NET code is throwing an exception. However, this exception is thrown during a data access operation and you want to find out more information about the exact SQL error that is occurring. Which of the following exception class could you use?
    1. ApplicationException
    2. SqlException
    3. IOException
    4. Exception

40. You are working on a financial web application project, in which you have to create a new web page. This page should display details about a single credit transaction for a given person. The details shown need to be in a tabular format and should only show a single record at a time. Which control should you use?
    1. ListView
    2. GridView
    3. DetailsView
    4. FormView

41. In an Asp .Net web application, you have to display the sales data for your division for the past 10 years in a DataGrid on a Web Form. Performance is very important. Which one is the best strategy to use in retrieving the data?
    1. Use a cached XML file as the data source and retrieve the data with a DataSet
    2. Use a simple select statement as the data source for the DataGrid
    3. Use a DataReader object to retrieve the data for the DataGrid
    4. Use a DataSet object to retrieve the data for the DataGrid

42. Which of the following statement is true?
    a. Dataset stores tables in the cache, only when cache set to true
    b. Dataset can store multiple tables in cache
    1. Only a
    2. Only b
    3. Both a and b
    4. None of the above

43. Which of the following type of Dataset supports schema?
    1. UnMixed
    2. UnTyped
    3. Mixed
    4. Typed

44. You are creating a custom dictionary. The class name is CustomDir. You need to insure that the dictionary is type safe. Which of the following code segment you should use?
    1. Class CustomDir: CustomDir<string, string>
    2. Class CustomDir: HashTable
    3. Class CustomDir:ICustomDir
    4. Class CustomDir{….} CustomDir<string, string>= new Dir<string, string>;

45. Which of the following datatype meets all the criteria?
    Is always a number
    Is not greater that 65535

1. int
2. System.string
3. System.intPtr
4. System.Uint16

46. Which of the following statement is/are true?
    1. Expression Encoder can quickly encode almost any type of file with metadata that can be used in Silverlight application.
    2. Expression blend is by far the best utility to use when designing the UI elements and layout of silverlight application
    3. Both 1 and 2
    4. None of the above

47. What can you do to adjust the default size at which InfoPath inserts sections?
    1. Lessen the custom layout width setting in the View Properties dialog box.
    2. Reduce the width setting for the section on the Display tab in the Section Properties dialog box.
    3. Increase the setting for the section on the Display tab in the Section Properties dialog box.
    4. Nothing, but you can narrow the margins of your form to accommodate the sections.

48. You deploy six servers that run Microsoft Windows SharePoint Services (WSS) 3.0. You need to centrally monitor the WSS servers to identify HTTP 404 errors. What should you do?
    1. Configure IIS Log active format on each WSS server to use the Microsoft IIS Log file Format option.
    2. Create a custom Microsoft management console that contains the event Viewer from each WSS server
    3. Install Microsoft operations Manager on a networks server. Installed the IIS management pack on the MOM server
    4. Both 1 and 2

49. Which of the following is/are the features of MOSS 2007?
    1. Report Center, Records Management
    2. Search enhancements
    3. Alternate authentication providers and Forms-based authentication
    4. All of the above

50. Which of the following type of file(extension) can not be uploaded to share point web site?
    1. .asp and .asa
    2. .ida and .idc
    3. .idq
    4. All of the above

51. Why the collection class should implement the "System.Collections.IEnumerator" and "System.Collections.IEnumerable" interfaces?
    1. To iterate over the elements of a collection using foreach statement
    2. To provide type-safety
    3. To interoperate with other common language runtime-compatible languages
    4. All of the above

52. What is TRUE about *indexer*?
    1. An indexer must have at least one parameter.
    2. It is possible to pass an indexer value as a ref parameter.
    3. It is possible to pass an indexer value as an out parameter.
    4. An indexer can't be accessed using the [] operator.

53. Which statement is the feature of *indexers*?
    1. The return type of indexed properties can be void.
    2. To provide the indexer with a name that other languages can use for the default indexed property, use a name attribute in the declaration.
    3. If you declare more than one indexer in the same class, they can have same signatures.
    4. An indexer cannot be simulate as a multidimensional "virtual array."

54. What is the compiler option to specify the format of the output file?
    1. /out
    2. /doc
    3. /type
    4. /target

55. How can we create an anonymous method for a delegate that takes one 'double' arguments?
    1. double dbl = delegate(){ ..}
    2. double dbl = delegate(double) { ..}
    3. double dbl = (double d) => { ..}
    4. double dbl = delegate double (double d) { ..}

56. Which compiler options process documentation comments to an XML file?
    1. /doc
    2. /text
    3. /docs
    4. /xml

57. What is a delegate?
    1. Delegate is a light weight thread that can call a single method.
    2. Delegate allows encapsulating a reference to a method inside a delegate object and it must have arguments.
    3. Delegate is a template for a method, that return type can be void.
    4. Delegate allows encapsulating a reference to a method inside a delegate object and it can have no arguments.

58. What is the Correct way to define a static event 'change' with the delegate named as 'delChange'?
    1. public static event delChange change;
    2. public static event change delChange;
    3. public static delegate delChange event change;
    4. public static delChange event change;

59. What is the predefined parameter name that gets passed into the of the *set accessor*?
    1. access
    2. value
    3. data
    4. datatype

60. Which keyword ensures that one thread does not enter a critical section while another thread is in the critical section of code?
    1. stackalloc
    2. synchronize
    3. sealed
    4. lock

61. Which of the following statement is True?
    1. We can use a sealed class as a base class.
    2. Sealed modifier is used in a class declaration to prevent inheritance of the class.
    3. It is permitted to use the abstract modifier with a sealed class.
    4. Structs are not implicitly sealed.

62. In C# which is not literal keywords?
    1. null
    2. true
    3. new
    4. false
63. Which command creates the 'MyLibrary.DLL' file using 'first.cs' and 'second.cs' files?
    1. csc /target:library /out:MyLibrary.DLL second.cs first.cs
    2. csc /target:DLL /out:MyLibrary.DLL second.cs first.cs
    3. csc /out:DLL /target:MyLibrary.DLL second.cs first.cs
    4. csc /out: library /target:MyLibrary.DLL second.cs first.cs
64. How we perform binary serialization of the object?
    1. After class declaration write Serialize after colon.
    2. While creating the class whose objects would be serialized, start it with the [Serialize] attribute.
    3. After class declaration write Serializable after colon.
    4. While creating the class whose objects would be serialized, start it with the [Serializable] attribute.
65. Which namespace is used to perform binary serialization?
    1. System.Runtime.Serialization.Formatters.BinaryFormatter
    2. System.Runtime.Serialization.Formatters.Binary
    3. System.Runtime.Serialization.BinarySerialization
    4. System.Runtime.Serialization.Formatters.Formatter
66. Which namespace is used to perform serialization with SOAP?
    1. System.Runtime.Serialization.Formatters.Soap
    2. System.Runtime.Serialization.Formatters.SoapFormatter
    3. System.Runtime.Serialization.SoapSerialization
    4. System.Runtime.Serialization.Formatters.Formatter
67. Which attribute is used to specify that the member field of the class is not serialized?
    1. [NotSerialized]
    2. [Transient]
    3. [Transitory]
    4. [NonSerialized]
68. What is the namespace, Class and method name to delete any existing file?
    1. System.IO , FileInfo , deletefile()
    2. System.IO , File , delete()
    3. System.IO , FileInfo , delete()
    4. System.IO , FileInformation , delete()
69. Which attribute makes the program thread safe for COM?
    1. [SAFEThread]
    2. [STAThread]
    3. [SThread]
    4. [Obsolete]
70. What are delegates?
    1. Value Pointer
    2. Function Pointer
    3. Pass By Reference
    4. Pass By Value

71. Which of the following is the standard column type in the DataGrid?
    1. TemplateColumn
    2. ButtonColumn
    3. BoundColumn
    4. HyperLinkColumn
72. Pick the command line that would result in the C# compiler generating an XML documentation file:
    1. csc /doc:HelloWorld.xml HelloWorld.cs
    2. csc /doc /docfile:HelloWorld.xml HelloWorld.c
    3. csc /doc /out:HelloWorld.xml HelloWorld.cs
    4. csc /xml HelloWorld.cs
73. Which of the following is not a method of System.Object?
    1. GetType
    2. ToString
    3. Equals
    4. Clone
74. _____ class provides an empty control. You can create a new control by assembling existing controls on the surface of this control
    1. ContainerControl
    2. The Component class
    3. The UserControl class
    4. The Control class
75. What is the exception that is thrown when there is an attempt to dynamically access a method that does not exist?
    1. MissingMethodException
    2. TypeLoadException
    3. MethodLoadException
    4. MethodAccessException
76. Which one of the following is NOT a valid state management tool?
    1. Application State
    2. Hidden Form Fields
    3. Query State
    4. Session State
77. C# types are defined in _____, organized by _____, compiled into ____, and then grouped into ____.
    1. files, modules, namespaces, assemblies
    2. files, namespaces, assemblies, modules
    3. files, assemblies, namespaces, modules
    4. files, namespaces, modules, assemblies
78. In C# which of the following, we are using for calling the Enter and Exit methods of the Monitor class?
    1. Mutex
    2. Lock
    3. Semaphore
    4. It is not possible
79. Look at the statement below. What is a type of names?
    foreach (string name in names)
    {
    strNames+=name;
    }
    1. An one-dimensional array of strings
    2. ArrayList.
    3. string.
    4. Both 1 and 2
80. Which of the following is true for a special member of the class namely 'this'?
    1. 'this' cannot be used in a static method
    2. 'this' cannot be used in a class A to access a member of class B
    3. The 'this' member can never be declared: it is automatically implied when you create a class
    4. All the above are correct

81. What is the difference between Array and ArrayList Classes?
    1. Array is a standard array whereas ArrayList is a collection of arrays
    2. Array is a fixed array whereas ArrayList is a dynamic array
    3. Array can be resized whereas ArrayList cant' be resized
    4. Both are same
82. In Vb.net, abstract class is specified using the keyword
    1. MustInherit
    2. Abstract
    3. Inherit
    4. MustOverride
83. In vb.net, for declaring an event signature, what keyword must use?
    1. Signature
    2. Eref
    3. Event
    4. Declare
84. Which of the following can help to prevent logic errors and data loss that can occur when the work is done between variables of different types?
    1. Option Strict
    2. Option Restrict
    3. Option Limit
    4. Option
85. How many classes can a single .NET DLL contain?
    1. 256 Classes
    2. It can contain many classes.
    3. It depends on the version of .NET
    4. Only one class
86. What is the work of JIT compiler in .NET framework?
    1. It complies the assemblies.
    2. It translates the code in the machine language.
    3. It translates the MSIL code of assembly and uses the CPU architecture of the machine to execute a .NET application.
    4. It translates the assembly code of MSIL and uses the CPU architecture of the machine to execute a .NET application.
87. Benefit of .NET framework is/are_____.
    1. Consistent programming Model
    2. Language Interoperability
    3. Automatic management of resources
    4. All of the above
88. Which statement is used to replace multiple if statement in code?
    1. Select – Case
    2. Switch – Case
    3. Both 1 and 2
    4. None of the above
89. In C#, How can we prevent a class from overriding?
    1. NotInheritable
    2. Sealed
    3. Both 1 and 2
    4. None of the above
90. How can I autosize a button to fit its text?
    1. By writing a autosize function
    2. By writing a property
    3. By changing autosize property of button
    4. By all mention way

91. What is the use of the CommnadBuilder class?
    1. It is used to automatically update a database according to the changes made in DataSet.
    2. It is used to build the dataset.
    3. It is used for build a program.
    4. It is a simple class, as we want we can use.
92. Which is true about lambda expression in LINQ?
    1. It is a function without name that calculates and returns a single value.
    2. It uses the Lambda operator =>
    3. The left side of the lambda operator specifies the input parameters and the right side holds the expression or statement block.
    4. All of the above
93. How can we sort the elements of the array in descending order?
    1. By calling Reverse () and then Sort () methods.
    2. By calling Sort () and then Reverse () methods.
    3. By calling desc() method
    4. By calling revershot() method
94. Can we allow a class to be inherited, but prevent the method from being over-ridden?
    1. No, It is not possible
    2. Yes, Just leave the class private and make the method NotInherit.
    3. Yes. Just leave the class public and make the method sealed.
    4. It depends on the language
95. Which of the following debugging tools come with the .NET SDK?
    1. CorDbg
    2. CLRDbg
    3. MsiDbg
    4. None of the above
96. What is the significance of shadowing a method in VB.Net?
    1. It makes a method Overridable
    2. It makes a method not inheritable
    3. It replaces all the implementation from higher class in the inheritance chain
    4. None of the above
97. Which is not a collection type in VB.Net?
    1. Hashtable
    2. ArrayList
    3. Heap
    4. Stack
98. What is the base class of .net?
    1. System. Object
    2. System
    3. System.IO
    4. None of the above
99. What do you mean by 'Option Strict On'?
    1. Which will restrict the explicit type casting
    2. Which will restrict the implicit type casting
    3. Both 1 and 2
    4. None of the above
100. What class is underneath the SortedList class?
    1. A un sorted HashTable
    2. A sorted HashTable
    3. A sorted ArrayList
    4. A un sorted ArrayList