

Q1. Which tool allows you to install an assembly into the GAC?

1. **Ngen.exe**
2. Mscorcfg.msc
3. Setup.exe
4. sn.exe

Q2. What can be configured using the .NET Configuration tool?

1. GAC cache.
2. Assemblies.
3. Security.
4. **All of the above.**

Q3. What kind of project can you create from the Setup and Deployment Projects list?

- A. Web Setup project.
- B. GAC project.
- C. Setup project.
- D. CAB project.

1. B,C,D
2. **A,C,D**
3. A,B
4. B,D

Q4. What happens if an ASP.NET server control with event-handling routines is missing the runat="server" attribute from its definition?

1. The control will operate as usual; the default is runat="server".
2. The control will revert to being a client-side control and function as such.
3. The control will not function; the default is runat="client".
4. **The compilation of the application will fail.**

Q5. Why is the Setup project name important?

1. Setup looks for files under that name.
- 2. It is the name in the Add/Remove Programs dialog box.**
3. There cannot be any spaces in the name.
4. The name goes in the Registry.

Q6. Where is the GAC located by default?

- 1. Windows directory.**
2. Programs directory.
3. Documents and Settings directory.
4. Application directory.

Q7. Where would you find the machine.config file on a Windows 2000 machine?

1. < system drive >\Program Files\Microsoft .NET\FrameworkCONFIG\
- 2. < system drive >\Winnt\Microsoft.NET\Framework\< version >CONFIG**
3. < system drive >\Winnt\CONFIG
4. < system drive >\Documents and Settings\Framework\CONFIG

Q8. Which of the following XML segments will redirect the bindings of a component?

1. < runtime >
< assemblyBinding >
< redirectBinding name="MyComponent"
oldVersion="1.0.0.01" newVersion="1.0.0.02" />
< /assemblyBinding >
< /runtime >
 2. < runtime >
< assemblyBinding >
< oldVersion="1.0.0.01" newVersion="1.0.0.02" / >
< /assemblyBinding >
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< /runtime >

3. < runtime >

< assemblyBinding >

< dependentAssembly >

< assemblyIdentity name="MyComponent" / >

< redirectBinding oldVersion="1.0.0.01"

newVersion="1.0.0.02" / >

< /dependentAssembly >

< /assemblyBinding >

< /runtime >

4. < runtime >

< assemblyBinding >

< dependentAssembly >

< assemblyIdentity name="MyComponent" / >

< bindingRedirect oldVersion="1.0.0.01"

newVersion="1.0.0.02" / >

< /dependentAssembly >

< /assemblyBinding >

< /runtime >

Q9. Which code segment represents the most efficient way to manipulate a string?

1. string s = new string("Hello");

for (int j = 0; j < 10; j++)

{

s = s + NameCollection(j);

}

2. String s = new String ("Hello");

for (int j = 0; j < 10; j++)

{

```
s = s + NameCollection(j);  
}
```

```
3. StringBuilder s = new StringBuilder ("Hello");  
  
for (int j = 0; j < 10; j++)  
{  
s.append(NameCollection(j));  
}
```

```
4. StringBuffer s = new StringBuffer ("Hello");  
  
for (int j = 0; j < 10; j++)  
{  
s.append(NameCollection(j));  
}
```

Q10. Which of the following represents a union of permissions?

- 1. A collection of code groups.**
2. A collection of permissions.
3. A collection of intersections.
4. A collection of evidence.

Q11. Envelope, Header, Fault.

1. XMLS
2. XSLT
3. CORBA
- 4. WSDL**

Q12. What is the default namespace for a new web service?

1. http://localhost
2. http://www.w3.org
- 3. http://tempuri.org/**

4. <http://www.microsoft.com>

Q13. A WSDL document is a file that contains definitions for which of the following?

1. Types, Messages, Bindings.
2. **Types, Messages, portTypes, bindings, services.**
3. Types, portTypes, bindings, services.
4. Messages, portTypes, bindings, services.

Q14. Which segment of code will cause the web service method to be invoked?

1. **localhost.Service1 MyWebService = new localhost.Service1();
MyWebService.Method();**

2. proxy.Service1 MyWebService = new proxy.Service1();
MyWebService.Method();

3. Service1 MyWebService = new Service1();
MyWebService.Method();

4. WebService MyWebService = new WebService();
MyWebService.Method();

Q15. You have created a serviced component that will interface with COM+ services.

You want to register the component automatically. Which utility will allow you to do this?

1. gacutil.exe
2. regsvsc.exe
3. **xcopy.exe**
4. sc.exe

Q16. Which Registry key would lead you to find the installed Windows service?

1. HKEY_LOCAL_MACHINE\Services
2. **HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services**

- 3. HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services
- 4. HKEY_LOCAL_MACHINE\CurrentControlSet\Services

Q17. Which of the following code segments will send an event message to the Application log when the Windows service is stopped?

```
1. public MyService()  
{  
    InitializeComponent();  
    if (!System.Diagnostics.EventLog.SourceExists("Application"))  
    {  
        System.Diagnostics.EventLog.CreateEventSource ("Application", "Application");  
    }  
    eventLog1.Source="Application";  
    eventLog1.Log = "Application";  
}  
protected override void OnStart (string[] args)  
{  
    eventLog1.WriteEntry ("Here we are!");  
}  
  
2. public MyService()  
{  
    InitializeComponent();  
    if (!System.Diagnostics.EventLog.SourceExists("Application"))  
    {  
        System.Diagnostics.EventLog.CreateEventSource ("Application", "Application");  
    }  
    eventLog1.Source="Application";  
    eventLog1.Log = "Application";  
}
```

```
protected override void OnStop (string[] args)
```

```
{
```

```
eventLog1.WriteEntry ("Here we are!");
```

```
}
```

```
3. public MyService()
```

```
{
```

```
InitializeComponent();
```

```
if (!System.Diagnostics.EventLog.SourceExists("System"))
```

```
{
```

```
System.Diagnostics.EventLog.CreateEventSource ("System", "System");
```

```
}
```

```
eventLog1.Source="Application";
```

```
eventLog1.Log = "Application";
```

```
}
```

```
protected override void OnStart (string[] args)
```

```
{
```

```
eventLog1.WriteEntry ("Here we are!");
```

```
}
```

```
4. public MyService()
```

```
{
```

```
InitializeComponent();
```

```
if (!System.Diagnostics.EventLog.SourceExists("Application"))
```

```
{
```

```
System.Diagnostics.EventLog.CreateEventSource ("Application", "Application");
```

```
}
```

```
eventLog1.Source="System";
```

```
eventLog1.Log = "Application";
```

```
}
```

```
protected override void OnStop (string[] args)
```

```
{  
eventLog1.WriteEntry ("Here we are!");  
}
```

Q18. You want to configure your new Windows service. Which of the following tools will allow you to set configuration properties for the service? Choose all that apply.

1. regedt32.exe
2. sc.exe
3. regsrvs.exe
4. **A,B**

Q19. You have created a remote object, ChatServer.dll, that is to be deployed to an IIS server. You need to create a configuration file that will provide location and type information. Which file would you create?

1. **web.config**
2. machine.config
3. application.config
4. ChatServer.exe.config

Q20. In which directory does the < application_name >.exe.config file belong?

1. In the bin directory of the application.
2. **In the root directory of the application.**
3. In the \Winnt\System32 directory.
4. In the \Program Files\Microsoft.NET directory.

Q21. When discussing the XML Web Services architecture, which sentence best describes the service broker node?

1. Broadcasts the available services.
2. Advertises the available services in Active Directory.
3. **Advertises the services that are registered in the Registry.**

4. Assists the consumer to find the provider that supplies a particular web service.

Q22. You have developed an XML web service that calculates an index to describe the current state of the air in your city. You have coded the following web methods, but when you compile the class, you receive error messages. What code will you change to successfully compile your project?

[WebMethod]

```
public double GetIndex(int x, double y, char a)
```

```
{ ... }
```

[WebMethod]

```
public double GetIndex(int x, int y, char a)
```

```
{ ... }
```

1. Add the System.Web.Service.Overload namespace to the project.
- 2. Add unique MessageName properties to the two WebMethod attributes.**
3. Change the return data type of the two overloaded methods to make them different.
4. Change the name of the two web methods to be unique.

Q23. What is the output format of the file the C# compiler produces?

1. Byte code
- 2. IL**
3. Hex dump
4. Intel Assembler

Q24. What best describes the xxxDataReader?

1. A disconnected collection of tables.
2. A manager that manages the connection to a data source, using four SQL statements.

3. A connected, read-only, forward-only representation of the data source.

4. The component that encapsulates the database driver.

Q25. 1. Given the following code segment, what will the value returned from the method be?

```
public int ViktorMove()  
{  
    int x = 42;  
    int y = 12;  
    int w;  
    object o;  
    o = x;  
    w = y * (int)o;  
    return w;  
}
```

1. 504

2. 491

3. 42

4. Runtime error, Null Pointer exception!

Q26. You have just installed IIS on your desktop computer that is running Windows 2000 Professional. Directly after the installation, you try to create a web application and you are given error messages indicating that the Internet server is incompatible with the .NET Framework. You need to create a web application, so what is the fastest way to be able to do so?

1. Configure the FrontPage Server Extensions.

2. Repair the .NET Framework installation from the Visual Studio .NET Windows

Component update CD.

3. There is no solution. Windows 2000 does not support .NET Framework web

application development.

4. Re-boot the computer.

Q27. The following code segment creates an event handler. What text must be inserted in place of << replace text here >> for the event to work?

```
// declare the delegate for the event
```

```
public delegate void SendFaxEventHandler();
```

```
public class Fax
```

```
{
```

```
// declare the SendFax event
```

```
public << replace text here >> event SendFaxHandler SendFax;
```

```
// ...
```

```
}
```

1. void
2. delegate
3. Combine
4. **static**

Q28. You want to see all the methods of a particular class that you are using in your application. Which tool would you use?

1. Class Viewer
2. **Object Browser**
3. Class Explorer
4. Object Explorer

Q29. To create a class file that can be added to a library, you would select which project type?

1. ASP.NET Web Application
2. **Class Library**
3. Console Application

4. Web Control Library

Q30. You are deploying the web application you have been developing to a production server. Your application uses a number of resource assemblies and also one utility assembly that has been developed for the web application. You deploy the application by using a file-archiving utility to package all the .aspx and Web.config files into the archive, and the application is installed on the production server by un-packing the archive in the target directory. The deployment did not generate any error messages; but when you are testing the application, you find that it does not work. None of the localized resources display anything, and there are a large number of errors displayed. You need to make the application function normally—what is the most efficient way to achieve that goal?

1. Enable tracing for the application, trace to an XML file, analyze the output, and correct the source of the problems.

2. Copy the /bin directory from the development system to the production server.

3. Install Visual Studio .NET on the production server; enable debugging; and single-step through the application, correcting all problems as they appear.

4. Abort the deployment, and inform the customer that you will be back as soon as you have found the problem.

Q31. What is the minimum number of assemblies a .NET application can have?

1. 0

2. 1

3. 2

4. 3

Q32. Which of the following methods are ways to create a Windows Form?

1. Visual inheritance.
2. Building a derived class from System.Windows.Forms.Form.
3. Extending a prebuilt form.
- 4. All of the above.**

Q33. Select the reasons why you would use Windows Forms over Web Forms.

- A. You need the processing to occur on the server.
- B. You need the processing to occur on the client.
- C. You need access to local resources.
- D. You need a consistent graphical interface.
- E. You need platform independence.

1. B,C
2. C,E
- 3. B,C,D**
4. C,D

Q34. You want to add a control to your form that allows you to set a particular option on or off. Which control would you choose?

1. Button
2. CheckedListBox
- 3. ListBox**
4. RadioButton

Q35. What does the following command do?

`csc /res:strings.resources HelloGlobalWorld.cs`

1. Builds only the HelloGlobalWorld program.
2. Builds the HelloGlobalWorld and links the fallback resource.
3. Creates an assembly for the HelloGlobalWorld program.
- 4. Creates a name resolution report for the HelloGlobalWorld program.**

Q36. Do you have to produce all the locale-specific assemblies before deploying the application?

1. Yes, the assemblies must be present for the final compile of the application.
2. Yes, the fallback manifest must be built from all the satellite assemblies.
3. Yes, the .NET Framework must update the registry with all the information at deployment.
- 4. No, the satellite assemblies can be deployed at will after initial deployment.**

Q37. Your application is called AccountingOne.exe. What must the name of the French string resource be?

1. AccountingOne.resources.dll
2. strings.resources
3. strings.fr.resources.dll
- 4. strings.fr.resources**

Q38. By setting the Text property on the form, you will cause the value of the Text property to display on which part of the form?

1. Bottom-right corner
2. Top-right corner
- 3. Title bar**
4. Status bar

Q39. Which command will cause an XML file to be generated from documentation comments?

1. csc MyClass.cs /doc:MyClass.cs
2. cscd MyClass.cs /doc:MyClass.xml
3. cscd MyClass.cs /doc:MyClass.cs
- 4. csc MyClass.cs /doc:MyClass.xml**

Q40. What would the outcome of an application that contained this code be?

```
private void Form1_Load (object sender, System.EventArgs e)
{
    Form1.Hide();
}
```

1. **The application would not compile.**
2. The program would run but no form would display.
3. The program would run and display the form.
4. A runtime error would occur.

Q41. In which namespace would you find the class Application?

1. System.Application
2. System
3. System.Window.Forms
4. **System.Windows.Forms**

Q42. To produce a dialog box similar to the Windows Print dialog box, which of the following controls would you use?

1. PrintPreviewDialog
2. **PrintDialog**
3. PrintBox
4. SetupPrintDialog

Q43. Which of the following documentation comments is correct?

1. `/// summary This is a summary comment summary`
2. **`/// < summary > This is a summary comment < /summary >`**
3. `/// < summary > This is a summary comment`

4. `/// summary` This is a summary comment

Q44. When writing server-side code, what marks are used to indicate the code block?

1. `< % % >`
2. `< !-- -- >`
3. `< @ language="c#" @ >`
4. `< asp:script runat="server" / >`

Q45. When you test a web service, what do you expect to see as output?

1. The web service running.
2. The web site.
3. **The XML of the web proxy.**
4. The XML of the web service.

Q46. What object would you use if you need to support Netscape Navigator and Microsoft Internet Explorer?

1. ActiveX control
2. Intrinsic controls
3. **XML**
4. Java applet

Q47. Which of the following advantages of .NET controls is most significant when compared to prior releases of ActiveX components?

1. .NET controls extend the Control class.
2. **.NET controls manage versioning better.**
3. .NET controls can be created one of three different ways.
4. .NET controls replace ActiveX controls.

Q48. Which of the following can you use to add a Toolbox bitmap to your control?

1. [ToolboxBitmap(typeof(NewControl),
@"C:\MyIcons\NewControlIcon.ico")]
2. [ToolboxBitmap(typeof(NewControl))]
3. [ToolboxBitmap(@"C:\MyIcons\NewControlIcon.ico")]
4. **All of the above.**

Q49. What is wrong with the following code?

```
using System;  
using System.Drawing;  
using System.Windows.Forms;  
public class MyCustomControl: System.Windows.Forms.Control  
// override the OnPaint event of the Control class  
// draw your own user interface using GDI+  
protected override void OnPaint (System.Windows.Forms.PaintEventArgs e)  
{  
// using the PaintEventArgs object, call the methods of GDI+  
}
```

1. The OnPaint declaration is wrong.
2. The OnPaint arguments are wrong.
3. There is invalid inheritance.
4. **There is a missing declaration.**

Q50. To create an abstract class, type the ____ keyword to the left of its name

1. Sealed
2. **Abstract**
3. Public
4. None of the above