2 of 80

36

Which of the following constitutes the .NET Framework? ASP.NET Applications CLR Framework Class Library WinForm Applications

(1) ○ 2, 4

(2) ○ 2, 1

(3) ○ 2, 3 ✔

(4) ○ 3, 4

Solution -

2, 3

3 of 80

What is ActionResult() ?

(1) ○ It is an abstract Class ✔

(2) ○ It is a Concrete Class

(3) ○ Both A and B

(4) ○ None

Solution -

It is an abstract Class

4 of 80

The .NET Framework provides a runtime environment called _____?

(1) ○ RMT

2 ○ CLR ✔

3 ○ RCT

4 ○ RC

Solution -

CLR

---

5 of 80

Which operator among the following signifies the destructor operator?

1 ○ : :

2 ○ :

3 ○ ~ ✔

4 ○ &

Solution -

~

---

6 of 80

_____methods are not supported for dynamic types.

1 ○ Anonymous

2 ○ Static

3 ○ Abstract

4 ○ Extension ✔

Solution -

Extension

---

7 of 80

In C# which one of the following modifier do you use in a base class to require any derived class to implement a class member?

1 ○ Abstract ✔

2 ○ Virtual

3 ○ Must Override

4 ○ Sealed

Solution -

Abstract

---

8 of 80

What are the Command Object Methods?

1 ○ ExecuteNonQuery

2 ○ ExecuteReader

3 ○ ExecuteScalar

4 ○ All of the above ✔

Solution -

All of the above

---

9 of 80

The .NET Framework Class Library (FCL) is also known as ...

1 ⚪ Base Class Library (BCL) ✔

2 ⚪ Common Class Library (CCL)

3 ⚪ Global Class Library (GCL)

4 ⚪ Public Class Library (PCL)

Solution -

Base Class Library (BCL)

10 of 80

The _____ parentheses that follow _____ indicate that no information is passed to Main ().

1 ⚪ Empty, class

2 ⚪ Empty, submain

3 ⚪ Empty, Main ✔

4 ⚪ Empty, Namespace

Solution -

Empty, Main

11 of 80

An _____ is a set of entities of the same type that share the same properties, or attributes.

1 ⚪ Entity set ✔

2 ◯ Attribute set

3 ◯ Relation set

4 ◯ Entity model

Solution -

Entity set

---

12 of 80

How do you get information from a form that is submitted using the "post" method?

1 ◯ Request.QueryString

2 ◯ Request.Form ✔

3 ◯ Response.write

4 ◯ Response.writein

Solution -

Request.Form

---

13 of 80

_____ parameters allow you to give a method parameter a default value so that you do not have to specify it every time you call the method.

1 ◯ optional ✔

2 ◯ named

3 ◯ out

4 ◯ ref

Solution -

optional

14 of 80

Valid code for creating a SqlConnection Object would be:

1 ○ SqlConnection conn = NEW SqlConnection("Data Source=(local);Initial
✓ Catalog=Northwind; Integrated Security=SSPI");

2 ○ SqlConnect conn = NEW SqlConnection("Data Source=(local);Initial
Catalog=Northwind; Integrated Security=SSPI");

3 ○ SqlConnection conn = NEW SqlConnect("Data Source=(local); Initial
Catalog=Northwind; Integrated Security=SSPI");

4 ○ All of the above

Solution -

SqlConnection conn = NEW SqlConnection("Data Source=(local);Initial
Catalog=Northwind; Integrated Security=SSPI");

15 of 80

The C# compiler used in .NET CORE is_____.

1 ○ cse.exe

2 ○ Roslyn ✓

3 ○ Typescript

4 ○ core.exe

Solution -

Roslyn

16 of 80

Which of the following is not an ASP.NET event?

1 ◯ Init

2 ◯ Import ✔

3 ◯ Load

4 ◯ All

Solution -

Import

17 of 80

What is the name of the configuration files that the App_Start folder contains?

1 ◯ BundleConfig.cs

2 ◯ FilterConfig.cs

3 ◯ RouteConfig.cs

4 ◯ All of these ✔

Solution -

All of these

18 of 80

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

(1) ◯ 1, 5

(2) ◯ 3, 4 ✔

(3) ◯ 1, 2

(4) ◯ 4, 5

Solution -

3, 4

---

19 of 80

Assume 2 columns named as Product and Category how can be both sorted out based on first by category and then by product name?

(1) ◯ var sortedProds = _db.Products.Orderby(c => c.Category)

(2)

◯ var sortedProds = _db.Products.Orderby(c => c.Category) + ThenBy(n => n.Name)

(3)

◯ var sortedProds = _db.Products.Orderby(c => c.Category) . ThenBy(n => n.Name)

✔

(4) ◯ All of the above

Solution -

var sortedProds = _db.Products.Orderby(c => c.Category) . ThenBy(n => n.Name)

---

20 of 80

Complete the following:
IsNullOrEmpty() is used to check whether the specified string is null or
an Empty string. A string will be_____ if it has not been assigned a
value. A string will be empty if it is assigned_____or_____.

1 ◯ null, "", String.Empty

2 ◯ "", null, String.Empty

3 ◯ null, String.Empty,"" ✔

4 ◯ "", String.Empty,null

Solution -

null, String.Empty,""

---

21 of 80

You have declared an event on your class and you want outside users of
your class to raise this event. What do you do?

1 ◯ Add a public method to your class that raises the event ✔

2 ◯ Make the event public

3 ◯ Use a public delegate instead of an event

4 ◯ Use a custom event accessor to give access to outside users

Solution -

Add a public method to your class that raises the event

---

22 of 80

_____ attributes can be used for data validation in MVC.

1 ◯ DataAnnotations ✔

2 ◯ Fluent API

3 ◯ DataModel

4 ◯ HtmlHelper

Solution -

DataAnnotations

---

23 of 80

What is CLR in C#?

1 ◯ It is a virtual machine component of Microsoft .NET Framework ✔

2 ◯ It is a virtual machine component of JVM

3 ◯ It is a compiler to compiler the C# code
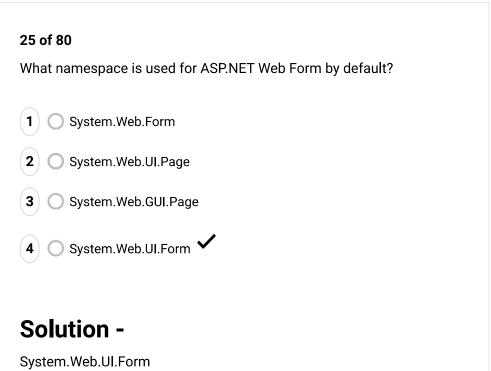
4 ◯ All of the above

Solution -

It is a virtual machine component of Microsoft .NET Framework

---

24 of 80

State whether the following statements about the Microsoft Intermediate Language (MSIL) are TRUE or FALSE.
i. The MSIL code includes instructions to load, initialize and invoke methods on objects.
ii. The MSIL code is collected and assembled in the form of byte codes and is converted to a .NET assembly.

1 ◯ i-True, ii-False

2 ◯ i-False ii-True

3 ◯ i-True, ii-True ✔

4 ○ i-False ii-False

Solution -

i-True, ii-True

---

25 of 80

What namespace is used for ASP.NET Web Form by default?

1 ○ System.Web.Form

2 ○ System.Web.UI.Page

3 ○ System.Web.GUI.Page

4 ○ System.Web.UI.Form ✔

Solution -

System.Web.UI.Form

---

26 of 80

Which among the given classes is present in System.Collection.Generic namespace?

1 ○ Stack ✔

2 ○ Tree

3 ○ Sorted Array

4 ○ All of the mentioned

Solution -

Stack

27 of 80

WCF protocol used to support platform independent communication

1 ○ REST

2 ○ HTTP

3 ○ SOAP ✔

4 ○ None of the above

Solution -

SOAP

28 of 80

You are developing an ASP.NET MVC application. You create a view that will be returned by action methods in multiple controllers. You need to place the view in the appropriate folder. To which subfolder within the Views folder should you add the view?

1 ○ Shared ✔

2 ○ Default

3 ○ Master

4 ○ None

Solution -

Shared

29 of 80

What method should be used to obtain a list of supported operations in REST services?

1 ◯ GET

2 ◯ HEAD

3 ◯ DELETE

4 ◯ OPTION ✔

Solution -

OPTION

---

30 of 80

How do you manage states in asp.net mvc application.

1 ◯ Application

2 ◯ session

3 ◯ ViewBag

4 ◯ All of the above. ✔

Solution -

All of the above.

---

31 of 80

The infrastructure that supports dynamic operations at run time is called the _____

1 ◯ DLR ✔

2 ◯ CLR

3 ◯ CTS

4 ○ CLS

Solution -

DLR

---

32 of 80

What is used in the following scenario:
When working with a query expression, a variable that can store the
result of the sub-expression in order to reuse it in the upcoming clause.

1 ○ let ✔

2 ○ var

3 ○ dynamic

4 ○ generic expression

Solution -

let

---

33 of 80

A___block enclose the code that could throw an exception.

1 ○ Try ✔

2 ○ Catch

3 ○ Exception

4 ○ Error

Solution -

Try

---

34 of 80

Boxing converts a value type on the stack to an _____ on the heap.

1. ⃝ Bool type

2. ⃝ Instance type

3. ⃝ Class type

4. ⃝ Object type ✔

Solution -

Object type

---

35 of 80

How to check Request coming from which controller using MVC ASP.Net?

1
⃝ var controller =
HttpContext.Current.Request.RequestContext.Values["Controller"].ToString();

2
⃝ var controller =
✔ HttpContext.Current.Request.RequestContext.RouteData.Values["Controller").ToString();

3. ⃝ var controller = RouteData.Values["Controller"].ToString();

4. ⃝ None of the above

Solution -

var controller =
HttpContext.Current.Request.RequestContext.RouteData.Values["Controller").ToString();

36 of 80

The_____keyword is new to C# 4.0, and is used to tell the compiler that a variable's type can change or that it is not known until runtime.

1 ◯ Covariance

2 ◯ Dynamic ✔

3 ◯ Contravariance

4 ◯ Object

Solution -

Dynamic

37 of 80

The .NET Framework is a common environment for _, _ and running web applications and web services.

1 ◯ Deploying, designing

2 ◯ Creating, training ✔

3 ◯ Building, deploying

4 ◯ None of the above

Solution -

Creating, training

38 of 80

What protocol does REST follow?

1 ◯ HTTP ✔

2 ○ FTP

3 ○ SFTP

4 ○ FTPS

Solution -

HTTP

---

39 of 80

Which of the following is NOT an Arithmetic operator in C#.NET?

1 ○ ** ✔

2 ○ /

3 ○ #ERROR!

4 ○ %

Solution -

**

---

40 of 80

Which of the following component of HTTP request contains metadata for the HTTP Request message as key-value pairs?

1 ○ URI

2 ○ VERB

3 ○ HTTP Version

4 ○ Request Header ✔

Solution -

Request Header

41 of 80

What is the full form of LINQ?

1. ◯ Local Integration Query

2. ◯ Language Integrated Query ✔

3. ◯ Language Included Query

4. ◯ None of the above

Solution -

Language Integrated Query

42 of 80

Which is/are the component(s) of ADO.NET?

1. ◯ Dataset

2. ◯ Data Reader

3. ◯ Data Adaptor

4. ◯ All of the above ✔

Solution -

All of the above

43 of 80

Inheritance is _____ in nature.

1 ◯ Commutative

2 ◯ Associative

3 ◯ Transitive ✔

4 ◯ Iterative

Solution -

Transitive

---

44 of 80

You have to create a collection of Order objects. The collection must meet the following requirements:
-Use strongly typed members
-Process Order objects in first-in-first-out order.
-Store values for each Order objects
-Use Zero based indices.
Which collection type must be used to meet all the above requirements?

1 ◯ Stack

2 ◯ Queue ✔

3 ◯ LinkedList

4 ◯ Dictionary

Solution -

Queue

---

45 of 80

Which feature enables to obtain information about the use and capabilities of types at runtime?

(1) ◯ Runtime type ID

(2) ◯ Reflection ✔

(3) ◯ Attributes

(4) ◯ None of the above

Solution -

Reflection

---

46 of 80

Which of the following keyword is used to overload user defined types?

(1) ◯ Op

(2) ◯ Opoverload

(3) ◯ Operator ✔

(4) ◯ Operatoroverload

Solution -

Operator

---

47 of 80

What is the value returned by function compareTo( ) if the invoking string is less than the string compared?

(1) ◯ Zero

(2) ◯ A value of less than zero ✔

(3) ◯ A value greater than zero

4 ○ None of the above

Solution -

A value of less than zero

---

48 of 80

CLR is the .NET equivalent of _____.

1 ○ Java virtual machine ✓

2 ○ Common language Runtime

3 ○ Common Type System

4 ○ Common Langauage Specification
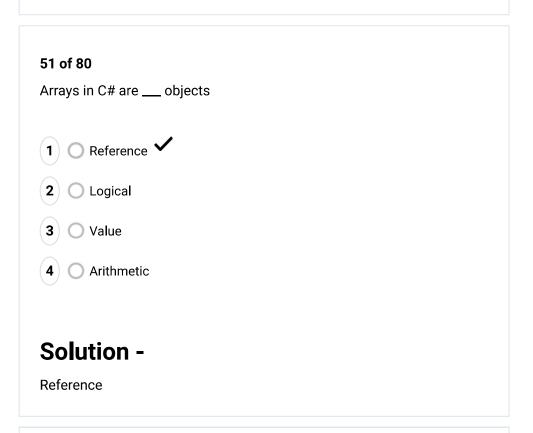
Solution -

Java virtual machine

---

49 of 80

In Microsoft Visual Studio, __ technology and a programming language such as C# are used to create a Web-based application.

1 ○ JAVA

2 ○ J#

3 ○ VB NET

4 ○ ASP.NET ✓

Solution -

ASP.NET

50 of 80

Which of the following .NET components can be used to remove unused references from the managed heap?

1 ◯ Class Loader

2 ◯ Garbage Collector ✔

3 ◯ CTS

4 ◯ CLR

Solution -

Garbage Collector

51 of 80

Arrays in C# are ___ objects

1 ◯ Reference ✔

2 ◯ Logical

3 ◯ Value

4 ◯ Arithmetic

Solution -

Reference

52 of 80

How many times can a constructor be called during lifetime of the object?

1 ◯ As many times as we call it.

2 ○ Only once. ✔

3 ○ Depends upon a Project Setting made in Visual Studio.NET.

4 ○ Any number of times before the object gets garbage collected.

Solution -

Only once.

---

53 of 80

Which method displays the custom control?

1 ○ The PreRender

2 ○ Render ✔

3 ○ Page_Loa

4 ○ D Display

Solution -

Render

---

54 of 80

_____ are reserved, and cannot be used as identifiers.

1 ○ Keywords ✔

2 ○ literal

3 ○ variables

4 ○ Identifiers

Solution -

Keywords

---

55 of 80

Which of the following statement is not true?

1 ◯ Only an interface can extend another interface

2 ◯ Any class can extend an abstract class

3 ◯ A class can implement multiple interfaces

4 ◯ A class can extend multiple abstract classes ✔

Solution -

A class can extend multiple abstract classes

---

56 of 80

All C# applications begin execution by calling the ____ method.

1 ◯ Class()

2 ◯ Main() ✔

3 ◯ Submain()

4 ◯ Namespace

Solution -

Main()

---

57 of 80

Which REST constraint specifies that knowledge and understanding obtained from one component of the API should be generally applicable elsewhere in the API?

1 ◯ Stateless

2 ◯ Uniform Interface ✔

3 ◯ Chacheable

4 ◯ Client-Server

Solution -

Uniform Interface

58 of 80

To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?

1 ◯ namespace

2 ◯ interface

3 ◯ delegate ✔

4 ◯ attribute

Solution -

delegate

59 of 80

Your API resource does no allow deletion, and a client application attempted to delete the resource. What HTTP response code should you return?

(1) ○ 409 Conflict

(2) ○ 400 Bad Request

(3) ○ 406 Not Acceptable

(4) ○ 405 Method Not Allowed ✔

Solution -

405 Method Not Allowed

---

60 of 80

return View() works like in ASP.Net MVC C# as

(1) ○ Server.Transfer() ✔

(2) ○ Response.Redirect()

(3) ○ Both A and B

(4) ○ None

Solution -

Server.Transfer()

---

61 of 80

The Global.asax file is derived from the ___ class

(1) ○ System.UI

(2) ○ SoapApplication

(3) ○ Application

4 ⚪ HttpApplication ✔

Solution -

HttpApplication

---

62 of 80

Which among the following are the advantages of using indexers?

1

⚪ To use collection of items at a large scale we make use of indexers as

they utilize objects of class that represent the collection as an array

2

⚪ Indexers are also convenient as they can also make use of different types

of indexers like int, string etc

3 ⚪ An indexer allows an object to be indexed such as an array

4 ⚪ All of the mentioned ✔

Solution -

All of the mentioned

---

63 of 80

When an instance method declaration includes the abstract modifier, the method is said to be an _____.

1 ⚪ Abstract method ✔

2 ⚪ Instance method

3 ⚪ Sealed method

4 ⚪ Expression method

Solution -

Abstract method

---

64 of 80

What will be the output of the following C# code snippet?
```
class MyClass
{
char[] chrs = { 'A', 'B', 'C', 'D' };
public System.Collections.IEnumerator GetEnumerator()
{
foreach (char ch in chrs)
yield return ch;
}
}
class Program
{
static void Main(string[] args)
{
MyClass mc = new MyClass();
foreach (char ch in mc)
Console.Write(ch + " ");
Console.WriteLine();
Console.ReadLine();
}
}
```

1 ◯ Run time error

2 ◯ Compile time error

3 ◯ Code runs successfully prints nothing

4 ◯ Code runs successfully prints A, B, C, D ✔

Solution -

Code runs successfully prints A, B, C, D

---

65 of 80

Which of the following method is used to register client script using code dynamically?

1 ○ Page.ClientScript.RegisterClientScriptBlock ✔

2 ○ RegisterScript

3 ○ Page.ClientScript

4 ○ None of the above

Solution -

Page.ClientScript.RegisterClientScriptBlock

66 of 80

We use _____ to fully abstract a class from its implimentation

1 ○ Interfaces ✔

2 ○ Objects

3 ○ Packages

4 ○ Function Definitions

Solution -

Interfaces

67 of 80

The reason that C# does not support multiple inheritances is because of_____.

1 ○ Method Collision

2 ○ Name Collision ✔

3 ○ Function Collision

4 ○ Interface Collision

Solution -

Name Collision

---

68 of 80

In C#, having unreachable code is always a/an____.

1 ○ Method

2 ○ Function

3 ○ Error ✔

4 ○ Iterative

Solution -

Error

---

69 of 80

The following C# code is run on single level of inheritance. What will be the Correct statement in the following C# code? class sample
{
int i = 10;
int j = 20;
public void display()
{
Console.WriteLine("base method ");
}
}
class sample1 : sample
{
public int s = 30;
}
class Program

```
{
static void Main(string[] args)
{
sample1 obj = new sample1();
Console.WriteLine("{0}, {1}, {2}", obj.i, obj.j, obj.s);
obj.display();
Console.ReadLine();
}
}
```

1 ◯ The output will be: "10, 20, 30 base method ✔

2 ◯ The output will be: "0, 0, 30 base method"

3 ◯ The output will be: "10, 20, 0 base method"

4 ◯ The output will be: "0, 0, 0 base method"

Solution -

The output will be: "10, 20, 30 base method

70 of 80

_____ ensures complete interoperability among applications, regardless of the language used to create the application.

1 ◯ CLR

2 ◯ CLS ✔

3 ◯ CTS

4 ◯ FCL

Solution -

CLS

71 of 80

What is FilterConfig.cs in ASP.Net MVC ?

1 ◯ FilterConfig.cs is used to register global MVC filters, HandleErrorAttribute
✔ is registered by default filter. We can also register other filters.

2 ◯ FilterConfig.cs is used to register global MVC bundles.

3 ◯ None of the above

4 ◯ All of the above

Solution -

FilterConfig.cs is used to register global MVC filters,
HandleErrorAttribute is registered by default filter. We can also register
other filters.

---

72 of 80

Which object contains the Position property of the current record in a
dataset?

1 ◯ BindingContext ✔

2 ◯ BindingData

3 ◯ DataBinding

4 ◯ DataBound

Solution -

BindingContext

---

73 of 80

A developer wanted to achieve graphics in his display using ASP.NET.
Which of the following web controls are available in ASP.NET to achieve
the above?

1 ⃝ LinkButton

2 ⃝ AdRotator ✔

3 ⃝ Both A and B

4 ⃝ None of the above

Solution -

AdRotator

---

74 of 80

What is the full form of SOAP in ASP.Net?

1 ⃝ Simple Object Access Protocol ✔

2 ⃝ Simple Object Advanced Protocol

3 ⃝ Simple Object Access Property

4 ⃝ Simple Object Advanced Property

Solution -

Simple Object Access Protocol

---

75 of 80

What will be the output of the following C# code?
class maths
{
public maths()
{
Console.WriteLine("constructor 1 :");
}
public maths(int x)
{
int p = 2;

```
int u;
u = p + x;
Console.WriteLine("constructor 2: " +u);
}
}
class Program
{
static void Main(string[] args)
{
maths k = new maths(4);
maths t = new maths();
Console.ReadLine();
}
}
```

1 ◯ constructor 1: constructor 2: 6

2 ◯ constructor 2: 6 constructor 2: 6

3 ◯ constructor 2: 6 constructor 1: ✔

4 ◯ none of the mentioned

Solution -

constructor 2: 6 constructor 1:

---

76 of 80

When a .NET class is ___, it's constructor ___.

1 ◯ Created, defined

2 ◯ Declared, instantiated

3 ◯ Instantiated, executes ✔

4 ◯ None of the above

Solution -

Instantiated, executes

77 of 80

List .Contains(T) method is used to check whether an element is in the List or not. The return type is:

1 ⚪ int

2 ⚪ boolean ✔

3 ⚪ void

4 ⚪ var

Solution -

boolean

78 of 80

_____.represents the ordered collection of an object that can be indexed individually.

1 ⚪ ArrayList ✔

2 ⚪ BitArray

3 ⚪ Stack

4 ⚪ SortedList

Solution -

ArrayList

79 of 80

What will be the output of the following C# code? class overload {
public int x;
int y;
public int add(int a)
{
x = a + 1;
return x;
}
public int add(int a, int b)
{
x = a + 2;
return x;
}
}
class Program
{
static void Main(string[] args)
{
overload obj = new overload();
overload obj1 = new overload();
int a = 0;
obj.add(6);
obj1.add(6, 2);
Console.WriteLine(obj.x);
Console.WriteLine(obj1.x);
Console.ReadLine();
}
}

   ◯ 8

(**1**)   8

   ◯ 0

(**2**)   2

   ◯ 8

(**3**)   10

   ◯ 7

(**4**)   8 ✔

Solution -

7
8

80 of 80

WCF is a part of .Net Framework

1 ○ `1.0

2 ○ `2.0

3 ○ `3.0 and above ✔

4 ○ None

Solution -

`3.0 and above