

Your score : 26 / 40

Q.1. How many Bytes are stored by 'Long' Datatype in C# .net?

- 8
 4
 2
 1

Right answer.

Q.2. What will be the output of the following code snippet?

```
using System;
class program
{
    static void Main(string[] args)
    {
        int x = 8;
        int b = 16;
        int c = 64;
        x /= c /= b;
        Console.WriteLine(x + " " + b+ " " +c);
        Console.ReadLine();
    }
}
```

- 2 16 4
 4 8 16
 2 4 8
 8 16 64

Not attempted.

Right answer : 2 16 4

Q.3. Struct's data members are ___ by default.

- Protected
 Public
 Private
 Default

Wrong answer.

Right answer : Private

Q.4. In C# which keywords are used to declare reference types:

- class
 interface
 delegate
 All of the above

Right answer.

Q.5. Correct way to overload +operator?

- public sample operator + (sample a, sample b)
- public abstract operator + (sample a, sample b)
- public static sample operator + (sample a, sample b)
- all of the mentioned

Right answer.

Q.6. What could be the output for the set of 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, 8
- 0, 2
- 8, 10
- 7, 8

Wrong answer.

Right answer : 7, 8

Q.7. What will be the output for the given set of code?

```
class a {
    public void fun()
    {
        Console.WriteLine("base method");
    }
}

class b: a
{
    public new void fun()
    {
        Console.WriteLine(" derived method ");
    }
}

class Program
{
    static void Main(string[] args)
    {
```

```
b k = new b(); k.fun();
Console.ReadLine();
}
```

- base method
- derived method
- Code runs successfully prints nothing
- Compile time error

Wrong answer.

Right answer : derived method

Q.8. If base class consist of two private integers, one static integer and derived class consist of two static integers and one private integer. What would be the size of derived class object?

- size of object depends on sizes of its non static data members
-
- size of a derived class object is sum of sizes of non static data members of base class and derived class
- size of object is calculated using sizeof() method
- none of the mentioned

Wrong answer.

Right answer : size of object depends on sizes of its non static data members

Q.9. What will be the output for the given set of code?

```
using System;

class Class2 {
    void change( out int x, out int y)
    {
        x = 10;
        y = 20;
    }

    static void Main() {
        int a = 50;
        int b = 100;
        Class2 obj1 = new Class2();
        obj1.change(out a, out b);
        Console.WriteLine("a is " + a + " and b is " + b );
    }
}
```

- a is 60 and b is 120
- a is 10 and b is 20
- a is 50 and b is 100
- Compile time error

Wrong answer.

Right answer : a is 10 and b is 20

Q.10. In _____, the value of an argument is copied into the formal parameter of the method & in _____, the changes made to the Reference parameter will affect the actual argument passed.

- call-by-reference, call-by-value
- call-by-value, call-by-reference
- method overloading, method overriding
- call by value, call by reference

Right answer.

Q.11. What is true about Destructor in C#

- A destructor is a method in a class that is called when the object is destroyed.
- Like constructors destructors will not have any return type.
- Destructors don't take any arguments & are always public.
- All of the above

Right answer.

Q.12. What will be the output for the given set of code?

```
using System;

class Class1 {

    void change(ref int x)
    {
        x = x * 10;
        Console.WriteLine("Inside method change x is " + x);
    }

    static void Main() {
        int y;
        Class1 obj = new Class1();
        Console.WriteLine("Before calling change y is " + y);
        obj.change(ref y);
        Console.WriteLine("After calling change y is " + y);
    }
}
```

- Before calling change y is 100
Inside method change x is 100
After calling change y is 10
- Before calling change y is 100
Inside method change x is 10
After calling change y is 100
- Before calling change y is 10
Inside method change x is 100
After calling change y is 100
- Compile time error

Right answer.

Q.13. The _____ is the execution engine for .NET applications and servers as the interface between .NET applications and the operating system.

- Common Language Specifications (CLS)
- Common Language Runtime (CLR)
- Common Type System (CTS)
- Framework Class Library (FCL)

Right answer.

Q.14. 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.

Only 1 and 2

Only 1, 2 and 4

1, 2, 3, 4

Only 3 and 4

Right answer.

Q.15. How can you comment using Razor Syntax?

*@ Comment me *@

@* Comment me *@

@* Comment me @*

@ Comment me @

Right answer.

Q.16. Which HTML helper method is used for rendering the partial view in the parent view?

@html.Partial()

@html.RenderPartial()

@html.RenderAction()

All of the above

Right answer.

Q.17. Which of the following is not a namespace in the .NET Framework Class Library?

System.Process

System.Security

System.Threading

System.xml

Right answer.

Q.18. Two types of cookies are available in ASP.NET, _____ resides on the client machine for a single session and is valid until the user logs out & _____ resides on the user machine for a period specified for its expiry. It may be an hour, a day, a month, or never.

Session Cookie, Persistent Cookie

Persistent Cookie, Session Cookie

First-party Cookie, Permanent Cookie

Persistent Cookie, Secure Cookie

Right answer.

Q.19. _____ is a stored-value type that keeps track of each executing thread and its location. It is used for static memory allocation. _____ is a stored reference type that keeps track of the more precise objects or data. It is used for dynamic memory allocation.

Heap, Stack

Stack, Heap

RAM, Hard drive

Queue, Heap

Right answer.

Q.20. 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.

i-True, ii-False

i-False, ii-True

i-True, ii-True

i-False, ii-False

Wrong answer.

Right answer : i-True, ii-True

Q.21. Which object in ASP.NET provides a global storage mechanism for state data that needs to be accessible to all pages in a given Web application?

Session

Application

ViewState

None of the above

Right answer.

Q.22. The _____ in MVC architecture handles any incoming URL request

Model

Controller

View

All of the above

Right answer.

Q.23. How will you create the SQL Server Connection Objects in Code? Choose the correct option.

`SqlConnection con = new SqlConnection ("Data Source=ServerName; Initial Catalog=DatabaseName;Integrated Security=True");`

`SqlConnection con = new SqlConnection();
con.ConnectionString = ("Data Source=ServerName; Initial Catalog=DatabaseName;Integrated Security=True");`

`using (SqlConnection con = new SqlConnection("Data Source=ServerName; Initial Catalog=DatabaseName;Integrated Security=True"))
{
 con.Open();
 - - - - -
 - - - - -`

}

- All of the above codes are correct.

Right answer.

Q.24. Which of the following is the correct way to call the function MyFun() of the Sample class given below?

```
class Sample
{
    public int MyFun(int i)
    {
        Console.WriteLine("Welcome to cceestudy.online !");
        return 0;
    }
}
```

delegate void del(int i);
Sample s = new Sample();
del = new del(ref s.MyFun);
d(10);

delegate int del(int i);
Sample s = new Sample();
del = new delegate(ref MyFun);
del(10);

Sample s = new Sample();
delegate void del = new delegate(ref MyFun);
del(10);

delegate int del(int i);
del d;
Sample s = new Sample();
d = new del(ref s.MyFun);
d(10);

Right answer.

Q.25. ByDefault ASP.Net SessionID is stored in _____.

- Application
 Session
 Cookies
 ViewState

Right answer.

Q.26. How do you execute multiple SQL statements using a DataReader?

Call the ExecuteReadermethod of two Command objects and assign the results tothe same instance of a DataReader.

Call the ExecuteReadermethod of a single Command object twice.

Set the Command.CommandTextproperty to multiple SQL statements delimited by a semicolon.

Set the Command.CommandTypeproperty to multiple result sets.

Wrong answer.

Right answer : Set the Command.CommandTextproperty to multiple SQL statements

delimited by a semicolon.

Q.27. What is synchronization in reference to a thread?



It's a process of handling situations when two or more threads need access to a shared resource



It's a process by which many threads are able to access the same shared resource simultaneously



It's a process by which a method is able to access many different threads simultaneously



It's a method that allows too many threads to access any information they require

Right answer.

Q.28. The _____ namespace includes classes and interfaces that return information about types, methods, and fields.



system



system.security



system.data



system.reflection

Right answer.

Q.29. What will be the output of the following C# code?

```
{  
    try  
    {  
        int []a = {1, 2, 3, 4, 5};  
        for (int i = 0; i < 5; ++i)  
            Console.WriteLine(a[i]);  
        int x = (1 / Convert.ToInt32(0));  
    }  
    catch(IndexOutOfRangeException e)  
    {  
        Console.WriteLine("A");  
    }  
    catch(ArithmeticException e)  
    {  
        Console.WriteLine("B");  
    }  
    Console.ReadLine();  
}
```



1234



12345



Run time error



12345B

Right answer.

Q.30. RedirectToAction() Method for which Status code represents?



304



302



300

None

Right answer.

Q.31. State whether the following statements about .NET assembly are True or False.

- i) Assembly physically exists as DLLs or EXEs.
- ii) Assembly can include any file types like image files, text files, etc. along with DLLs or EXEs.
- iii) One assembly can contain only one file.

i-True, ii-True, iii-True

i-False, ii-True, iii-True

i-True, ii-False, iii-True

i-True, ii- True, iii-False

Right answer.

Q.32. How will you store and retrieve value in viewstate?

// Storing the data in viewstate
ViewState["SiteName"] = "cceestudy";
// Retrieving Value from a View State
Label1.Text = ViewState["SiteName"].ToString();

// Storing the data in viewstate
ViewState obj = new ViewState
ViewState [obj] = "cceestudy";
// Retrieving Value from a View State
Label1.Text = ViewState[obj].ToString();

// Storing the data in viewstate
ViewState obj = new ViewState
ViewState [obj] = "cceestudy";
// Retrieving Value from a View State
Label1.Text = ViewState[obj].ToString();

None of the above.

Wrong answer.

Right answer : // Storing the data in viewstate ViewState["SiteName"] = "cceestudy"; //
Retrieving Value from a View State Label1.Text = ViewState["SiteName"].ToString();

Q.33. Which of the following are the advantages of Garbage Collector?

- i) Allow us to develop an application without having worry to about free memory.
- ii) Allocates memory for objects efficiently on the managed heap.
- iii) Provides memory safety by making sure that an object cannot use the content of another object.

i and ii only

ii and iii only

i and iii only

All i, ii and iii

Wrong answer.

Right answer : All i, ii and iii

Q.34. Suppose a Student class has an indexed property. This property is used to set or retrieve values to/from an array of 5 integers called scores[]. We want the property to report "Invalid Index" message if the user attempts to exceed the bounds of the array. Which of the following is the correct way to implement this property?

```
○ class Student
{
    int[] scores = new int[5] {3, 2, 4, 1, 5};
    public int this[ int index ]
    {
        set
        {
            if (index < 5)
                scores[index] = value;
            else
                Console.WriteLine("invalid Index");
        }
    }
}
```

```
○ class Student
{
    int[] scores = new int[5] {3, 2, 4, 1, 5};
    public int this[ int index ]
    {
        get
        {
            if (index < 5)
                return scores[ index ];
            else
            {
                Console.WriteLine("Invalid Index");
                return 0;
            }
        }
        set
        {
            if (index < 5)
                scores[ index ] = value;
            else
                Console.WriteLine("Invalid Index");
        }
    }
}
```

```
● class Student
{
    int[] scores = new int[5] {3, 2, 4, 1, 5};
    public int this[ int index ]
    {
        get
        {
            if (index < 5)
                return scores[ index ];
            else
            {
                Console.WriteLine("Invalid Index");
                return 0;
            }
        }
    }
}
```

```
○ class Student
{
    int[] scores = new int[5] {3, 2, 4, 1, 5};
    public int this[ int index ]
    {
        get
        {
            if (index < 5)
                scores[ index ] = value;
            else
            {
                Console.WriteLine("Invalid Index");
            }
        }
        set
        {
            if (index < 5)
                return scores[ index ];
            else
            {
                Console.WriteLine("Invalid Index");
                return 0;
            }
        }
    }
}
```

```
        }  
    }  
}
```

Wrong answer.

Right answer :

```
class Student  
{  
    int[] scores = new int[5] {3, 2, 4, 1, 5};  
    public int this[ int index ]  
    {  
        get  
        {  
            if (index < 5)  
                return scores[ index ];  
            else  
            {  
                Console.WriteLine("Invalid Index");  
                return 0;  
            }  
        }  
        set  
        {  
            if (index < 5)  
                scores[ index ] = value;  
            else  
                Console.WriteLine("Invalid Index");  
        }  
    }  
}
```

Q.35. What is the extension of MVC view when using C#?

cshtml

vbhtml

Both of the above

None of these

Wrong answer.

Right answer : Both of the above

Q.36. On call of which type of method the new created thread will not start executing?

Begin()

Start()

New()

All of the mentioned

Right answer.

Q.37. Which of the following statements are correct about delegates?

Delegates cannot be used to call a static method of a class.

Delegates cannot be used to call procedures that receive variable number of arguments.

If signatures of two methods are same they can be called through the same delegate object.

Delegates cannot be used to call an instance function. Delegates cannot be used to call an instance subroutine.

Right answer.

Q.38. Choose the correct one.

```
int[] A = { 0, 2, 4, 5, 6, 8 };
int[] B = { 1, 3, 5, 7, 8 };

var nums = A.Union(B);

foreach (var n in nums)
{
    Console.Write(n + " ");
}
```

0 2 4 5 6 8 1 3 5 7 8

0 2 4 5 6 8 1 3 7

0 1 2 3 4 5 6 7 8

None of the above

Wrong answer.

Right answer : 0 2 4 5 6 8 1 3 7

Q.39. What is RouteConfig.cs in ASP.Net MVC?

- RouteConfig.cs is used to register MVC config statements, route config.
- RouteConfig.css is used to register global MVC bundles.
- Both of the above
- None of these

Wrong answer.

Right answer : Both of the above

Q.40. For the given set of codes, what is the output?

```
class Program
{
    static void Main(string[] args)
    {
        int[] nums = { 1, -2, -3, 5 };
        var posNums = from n in nums
                      orderby n descending
                      select n*4 / 2;
        Console.WriteLine("The values in nums: ");
        foreach (int i in posNums) Console.Write(i + " ");
        Console.WriteLine();
        Console.ReadLine();
    }
}
```

10 2 -4 -6

5 1 -2 -3

1 5 -2 -3

Run time error

Right answer.

Submit