

**Your score : 20 / 40**

- Q.1. 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, 5
- 3, 4
- 1, 2
- 4, 5

**Wrong answer.**

Right answer : 3, 4

- Q.2. Which of the following .NET components can be used to remove unused references from the managed heap?

- Common Language Infrastructure
- CLR
- Garbage Collector
- CTS

Right answer.

- Q.3. There are the following Jobs given below, which of them are done by Common Language Runtime?

- 1. CLR provides garbage collection.
- 2. CLR enforces type safety strictly.
- 3. CLR provides memory and thread management.
- 4. CLR provides Code Access Security.

- 1, 2
- 3, 4
- All (1, 2, 3, 4)
- None of these

Right answer.

- Q.4. There are the following assemblies given below, which of them can be stored in GAC (Global Assembly Cache)?

- Public Assembly
- Private Assembly
- Protected Assembly
- Shared Assembly

Right answer.

Q.5. Which of the following is the root of the .NET type hierarchy?

- System.Object
- System.Type
- System.Base
- System.Root

Right answer.

Q.6. Which of the following is NOT an Arithmetic operator in C#.NET?

- \*\*
- +
- /
- \*

Right answer.

Q.7. Which of the following statements is correct?

- A constructor can be used to set default values and limit instantiation.
- C# provides a copy constructor.
- Destructors are used with classes as well as structures.
- A class can have more than one destructor.

Wrong answer.

Right answer : A constructor can be used to set default values and limit instantiation.

Q.8. Which of the following statements are correct about static functions?

1. Static functions can access only static data.
2. Static functions cannot call instance functions.
3. It is necessary to initialize static data.
4. Instance functions can call static functions and access static data.
5. this reference is passed to static functions.

- 1, 2, 4
- 2, 3, 5
- 3, 4
- 4, 5

Wrong answer.

Right answer : 1, 2, 4

Q.9. Which of the following will be the correct output for the C#.NET code snippet given below?

```
String s1 = "Nashik";
String s2;
s2 = s1.Insert(6, "Mumbai");
Console.WriteLine(s2);
```

- NashiMumbair
- NashikMumbai
- Mumbai
- Nashik

Right answer.

Q.10. How many times can a constructor be called during lifetime of the object?

- As many times as we call it.
- Only once.
- Depends upon a Project Setting made in Visual Studio.NET.
- Any number of times before the object gets garbage collected.

Wrong answer.

Right answer : Only once.

Q.11. The variables in \_\_\_\_\_ access means they are accessible only from within their declaration context, including any nested procedures.

- Protected
- Friend
- Protected Friend
- Private

Wrong answer.

Right answer : Private

Q.12. C# has \_\_\_\_\_ operator, useful for making two way decisions.

- Looping
- Functional
- Exponential
- Conditional

Wrong answer.

Right answer : Conditional

Q.13. We use \_\_\_\_\_ to fully abstract a class from its implementation.

- Interfaces
- Objects
- Packages
- Function Definitions

Right answer.

Q.14. What is the full form of LINQ?

- Local Integration Query
- Language Integrated Query
- Language Included Query
- None of the above

Right answer.

Q.15. Which among the given classes is present in System.Collection.Generic

namespace?

- Stack
- Tree
- Sorted Array
- All of the mentioned

Right answer.

Q.16. \_\_\_\_\_ represents the ordered collection of an object that can be indexed individually.

- ArrayList
- BitArray
- Stack
- SortedList

Wrong answer.

Right answer : ArrayList

Q.17. To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?

- namespace
- interface
- delegate
- attribute

Wrong answer.

Right answer : delegate

Q.18. What is the value returned by function compareTo( ) if the invoking string is less than the string compared?

- Zero
- A value of less than zero
- A value greater than zero
- None of the mentioned

Right answer.

Q.19. The exception classes in C# are mainly directly or indirectly derived from the \_\_\_\_\_ ?

- System.Exception class
- Exception class
- System.ApplicationException class
- ApplicationException class

Wrong answer.

Right answer : System.Exception class

Q.20. Assume 2 columns named as Product and Category how can be both sorted out based on first by category and then by product name?

out based on first by category and then by product name:

- var sortedProds = \_db.Products.OrderBy(c => c.Category)
- var sortedProds = \_db.Products.OrderBy(c => c.Category) + ThenBy(n => n.Name)
- var sortedProds = \_db.Products.OrderBy(c => c.Category) . ThenBy(n => n.Name)
- all of the mentioned

Right answer.

Q.21. Which of the following will be the correct output for the C#.NET code snippet given below?

```
enum color : int
{
    red = -3,
    green,
    blue
}
Console.WriteLine( (int) color.red + ", ");
Console.WriteLine( (int) color.green + ", ");
Console.WriteLine( (int) color.blue );
```

- 3, -2, -1
- 3, 0, 1
- 0, 1, 2
- red, green, blue

Right answer.

Q.22. Which of the following statements is correct about the C#.NET program given below if a value "6" is input to it?

```
using System;
namespace ConsoleApplication
{
    class MyProgram
    {
        static void Main (string[] args)
        {
            int index;
            int val = 66;
            int[] a = new int[5];
            try
            {
                Console.Write("Enter a number: ");
                index = Convert.ToInt32(Console.ReadLine());
                a[index] = val;
            }
            catch(Exception e)
            {
                Console.WriteLine("Exception occurred ");
            }
            Console.WriteLine("Remaining program ");
        }
    }
}
```

- It will output: Exception occurred
- It will output: Remaining program
- It will output: Exception occurred Remaining program
- It will output: Remaining program Exception occurred

Right answer.

Q.23. ADO.NET provides the ability to create and process in-memory databases called

views

relations

tables

datasets

Wrong answer.

Right answer : views

Q.24. How will you complete the foreach loop in the C#.NET code snippet given below such that it correctly prints all elements of the array a?

```
int[][] a = new int[2][];
a[0] = new int[4]{6, 1, 4, 3};
a[1] = new int[3]{9, 2, 7};
foreach (int[] i in a)
{
    /* Add loop here */
    Console.Write(j + " ");
    Console.WriteLine();
}
```

foreach (int j = 1; j < a(0).GetUpperBound; j++)

foreach (int j = 1; j < a(0).GetUpperBound; j++)

foreach (int j in a.Length)

foreach (int j in i)

Wrong answer.

Right answer : foreach (int j in i)

Q.25. Which of the following is the correct output of the C#.NET code snippet given below?

```
int[][] a = new int[2][];
a[0] = new int[4]{6, 1, 4, 3};
a[1] = new int[3]{9, 2, 7};
Console.WriteLine(a[1].GetUpperBound(0));
```

4

7

9

2

Wrong answer.

Right answer : 2

Q.26. What is true about ViewBag in mvc?

It is used to transfer temporary data from the controller to the view.

ViewBag only transfers data from controller to view.

ViewBag values will be null if redirection occurs.

All of the above

Right answer.

Q.27. How to check Request coming from which controller using MVC ASP.Net?

var \_controller =

HttpContext.Current.Request.RequestContext.Values["Controller"].ToString();  
  
var \_controller =  
HttpContext.Current.Request.RequestContext.RouteData.Values["Controller"].ToString();  
  
var \_controller = RouteData.Values["Controller"].ToString();  
  
none

Wrong answer.

Right answer : var \_controller =  
HttpContext.Current.Request.RequestContext.RouteData.Values["Controller"].ToString();

Q.28. Which Namespace is used for Razor View Engine ?

- System.Web.Razor  
 System.Web.Mvc.WebFormViewEngine  
 Both of the above  
 None

Right answer.

Q.29. What are the methods used in thread class?

- join  
 resume  
 sleep  
 All of the above

Right answer.

Q.30. What executable unit gets created when we build an ASP.Net application?

- .com  
 .exe  
 .dll  
 none of these

Wrong answer.

Right answer : .dll

Q.31. How do we Delete, Update, Select data in a Dataset?

- Using SqlCommand  
 Using SqlDataReader  
 Using SqlDataAdapter  
 None of these

Wrong answer.

Right answer : Using SqlDataAdapter

Q.32. What is the transport protocol used to call a webservice?

- SMTP  
 TCP

SOAP

HTTP

Wrong answer.

Right answer : SOAP

Q.33. \_\_\_\_\_ is a code that consists of CPU and platform-independent set of instructions, which can be easily converted to native code.

JIT

FCL

DLL

MSIL

Wrong answer.

Right answer : MSIL

Q.34. Which of the following .NET components can be used to remove unused references from the managed heap?

CLR

Class Loader

Garbage Collector

None of the above

Right answer.

Q.35. Which webserver is developed by Microsoft?

Caudium

Internet Information Services (IIS)

Apache Tomcat

WEBrick

Right answer.

Q.36. Which commands are used to specify settings of an .aspx file?

Directives

Class

Validation

Events

Wrong answer.

Right answer : Directives

Q.37. In ASP.NET application DLL files are stored in\_\_\_\_\_

App\_Data

App\_LocalResources

App\_Code

Bin

Right answer.

Q.38. Which method do you invoke on the Data Adapter control to load your generated dataset?

- Fill()
- Read()
- ExecuteQuery()
- None of above

Wrong answer.

Right answer : Fill()

Q.39. In ASP.NET web application configuration settings are defined in\_\_\_\_\_

- machine.config
- System.config
- ProcompiledApp.config
- Web.config

Right answer.

Q.40. Which is not a validation control?

- Required Field Validator
- Compare Validator
- Error Validator
- Regular Expression Validator

Wrong answer.

Right answer : Error Validator

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