QUIZ

Started on	Friday, 12 January 2024, 9:01 PM
State	Finished
Completed on	Friday, 12 January 2024, 9:20 PM
Time taken	19 mins 5 secs
Grade	**14.00** out of 20.00 (**70**%)

Question 1
Correct
Mark 1.00 out of 1.00

Select wrong statement about destructor in C#?

- ○ a.   Destructors can have modifiers or parameters✔
- ○ b.   A class can have one destructor only
- ○ c.   Destructors cannot be inherited or overloaded
- ○ d.   All of the mentioned

The correct answer is: Destructors can have modifiers or parameters

Question 2
Incorrect
Mark 0.00 out of 1.00

What is multicast delegate in .NET?

- ○ a.   A delegate that can handle multiple events
- ● b.   A delegate that supports multiple data types ✖
- ○ c.   A delegate that can call multiple methods
- ○ d.   A delegate used for network communication

The correct answer is: A delegate that can call multiple methods

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following statements is correct about the .NET Framework?

- ○ a.   .NET Framework uses DCOM for achieving language interoperability.
- ◉ b.   .NET Framework uses DCOM for making transition between managed and unmanaged code. ✔
- ○ c.   .NET Framework uses DCOM for creating unmanaged applications.
- ○ d.   .NET Framework is built on the DCOM technology.

The correct answer is: .NET Framework uses DCOM for making transition between managed and unmanaged code.

Question 4

Correct

Mark 1.00 out of 1.00

Which .NET framework class is used for reading and writing XML documents?

- ○ a.   XmlWriter
- ○ b.   XmlSerializer
- ○ c.   XmlReader
- ◉ d.   XmlDocument ✔

The correct answer is: XmlDocument

Question 5

Correct

Mark 1.00 out of 1.00

Which component in the MVC pattern is responsible for handling user input and updating the model?

- ○ a.   Model
- ○ b.   View
- ◉ c.   Controller ✔
- ○ d.   Service

The correct answer is: Controller

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following events is associated with the use of delegates in C#?

- ○ a.   Resize event in WPF applications
- ○ b.   Load event in web applications
- ○ c.   KeyPress event in console applications
- ● d.   Click event in Windows Forms applications ✔

The correct answer is: Click event in Windows Forms applications

Question 7

Correct

Mark 1.00 out of 1.00

Which of the following statements is true regarding sealed methods?

- ○ a.   Sealed methods can only be declared in abstract classes
- ○ b.   Sealed methods are always private and cannot be accessed outside the class
- ○ c.   Sealed methods can be accessed from any class in the same namespace
- ● d.   Sealed methods cannot be further overridden in derived classes ✔

The correct answer is: Sealed methods cannot be further overridden in derived classes

Question 8

Correct

Mark 1.00 out of 1.00

Which of the following statements is correct about Managed Code?

- ○ a.   Managed code is the code that runs on top of Windows.
- ● b.   Managed code is the code that is written to target the services of the CLR. ✔
- ○ c.   Managed code is the code where resources are Garbage Collected.
- ○ d.   Managed code is the code that can run on top of Linux.
- ○ e.   Managed code is the code that is compiled by the JIT compilers.

The correct answer is: Managed code is the code that is written to target the services of the CLR.

Question 9

Incorrect

Mark 0.00 out of 1.00

What will be the output of the following C# code?

```
public static void Main(string[] args)

{

 double ZERO = 0;

 Console.WriteLine("RESULT OF DIVISION BY ZERO IS :{0}",  (0 / ZERO));

 Console.ReadLine();

}
```

- a. 1
- b. Exception argument is thrown ✖
- c. NaN
- d. 0

The correct answer is:
NaN

Question 10

Correct

Mark 1.00 out of 1.00

What is the purpose of the [WebMethod] attribute in ASP.NET?

- a. To declare a variable
- b. To define a web page
- c. To include a namespace in the code
- d. To expose a method as a web service method ✔

The correct answer is: To expose a method as a web service method

Question 11

Correct

Mark 1.00 out of 1.00

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.

    a.   Only 1 and 2

    b.   Only 1, 2 and 4

    c.   1, 2, 3, 4✔

    d.   Only 4 and 5

    e.   Only 3 and 4

The correct answer is:
1, 2, 3, 4

Question 12

Incorrect

Mark 0.00 out of 1.00

Name a method which has the same name as that of class and which is used to destroy objects also called automatically when application is finally on process of being getting terminated.

    a.   Constructor

    b.   End

    c.   Destructor

    d.   Finalize() ✘

The correct answer is: Destructor

Question 13

Correct

Mark 1.00 out of 1.00

Which LINQ operator is used for filtering elements based on a specified condition?

    a.   select

    b.   orderby

    c.   group

    d.   where✔

The correct answer is: where

Question 14

Incorrect

Mark 0.00 out of 1.00

Which among the following is considered as .NET Exception class?

○ a.   StackUnderflow Exception

○ b.   File bound Exception

○ c.   Exception

◉ d.   All of the mentioned ✖

The correct answer is: StackUnderflow Exception

Question 15

Correct

Mark 1.00 out of 1.00

What is the role of the ViewState in ASP.NET?

○ a.   To store database connection information

○ b.   To store user preferences

○ c.   To store session-specific information

◉ d.   To store information between page postbacks ✔

The correct answer is: To store information between page postbacks

Question 16

Incorrect

Mark 0.00 out of 1.00

Select a convenient declaration and initialization of a floating point number:

◉ a.   float somevariable = (Double) 12.502D ✖

○ b.   float somevariable = 12.502D

○ c.   float somevariable = (float) 12.502D

○ d.   float somevariable = (Decimal)12.502D

The correct answer is: float somevariable = (float) 12.502D

Question 17

Correct

Mark 1.00 out of 1.00

Which of the following assemblies can be stored in Global Assembly Cache?

- ○ a. Public Assemblies
- ◉ b. Shared Assemblies ✔
- ○ c. Private Assemblies
- ○ d. Friend Assemblies
- ○ e. Protected Assemblies

The correct answer is: Shared Assemblies

Question 18

Correct

Mark 1.00 out of 1.00

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

- ○ a. Common Language Infrastructure
- ○ b. CLR
- ○ c. CTS
- ◉ d. Garbage Collector ✔
- ○ e. Class Loader

The correct answer is: Garbage Collector

Question 19

Correct

Mark 1.00 out of 1.00

Which among the following is the correct statement: Constructors are used to?

- ◉ a. initialize the objects ✔
- ○ b. none of the mentioned
- ○ c. initialize the objects & construct the data members
- ○ d. construct the data members

The correct answer is: initialize the objects

Question 20

Incorrect

Mark 0.00 out of 1.00

What is the purpose of the Dispose method in .NET?

- ○ a.   To release unmanaged resources
- ○ b.   To free up memory used by a variable
- ● c.   To delete a file from the system ✖
- ○ d.   To close a database connection

The correct answer is: To release unmanaged resources