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SR.NO	Project NAME	Technology
1	Online E-Learning Platform Hub	React+Springboot+MySql
2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySql
3	Tour and Travel management System	React+Springboot+MySql
4	Election commition of India (online Voting System)	React+Springboot+MySql
5	HomeRental Booking System	React+Springboot+MySql
6	Event Management System	React+Springboot+MySql
7	Hotel Management System	React+Springboot+MySql
8	Agriculture web Project	React+Springboot+MySql
9	AirLine Reservation System / Flight booking System	React+Springboot+MySql
10	E-commerce web Project	React+Springboot+MySql
11	Hospital Management System	React+Springboot+MySql
12	E-RTO Driving licence portal	React+Springboot+MySql
13	Transpotation Services portal	React+Springboot+MySql
14	Courier Services Portal / Courier Management System	React+Springboot+MySql
15	Online Food Delivery Portal	React+Springboot+MySql
16	Muncipal Corporation Management	React+Springboot+MySql
17	Gym Management System	React+Springboot+MySql
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28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+NextJs+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql

41	Bus Tickit Booking Project	React+Springboot+MySql
42	Fruite Delivery Project	React+Springboot+MySql
43	Woodworks Bed Shop	React+Springboot+MySql
44	Online Dairy Product sell Project	React+Springboot+MySql
45	Online E-Pharma medicine sell Project	React+Springboot+MySql
46	FarmerMarketplace Web Project	React+Springboot+MySql
47	Online Cloth Store Project	React+Springboot+MySql
48	Train Ticket Booking Project	React+Springboot+MySql
49	Quizz Application Project	JSP+Springboot+MySql
50	Hotel Room Booking Project	React+Springboot+MySql
51	Online Crime Reporting Portal Project	React+Springboot+MySql
52	Online Child Adoption Portal Project	React+Springboot+MySql
53	online Pizza Delivery System Project	React+Springboot+MySql
54	Online Social Complaint Portal Project	React+Springboot+MySql
55	Electric Vehical management system Project	React+Springboot+MySql
56	Online mess / Tiffin management System Project	React+Springboot+MySql
57		React+Springboot+MySql
58		React+Springboot+MySql
59		React+Springboot+MySql
60		React+Springboot+MySql

Spring Boot + React JS + MySQL Project List

Sr.No	Project Name	YouTube Link
1	Online E-Learning Hub Platform Project	https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW
2	PG Mate / Room sharing/Flat sharing	https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp
3	Tour and Travel System Project Version 1.0	https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12
4	Marriage Hall Booking	https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7
5	Ecommerce Shopping project	https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq
6	Bike Rental System Project	https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H
7	Multi-Restaurant management system	https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB
8	Hospital management system Project	https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw
9	Municipal Corporation system Project	https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF
10	Tour and Travel System Project version 2.0	https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ

Sr.No	Project Name	YouTube Link
11	Tour and Travel System Project version 3.0	https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug
12	Gym Management system Project	https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX
13	Online Driving License system Project	https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn
14	Online Flight Booking system Project	https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh
15	Employee management system project	https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H
16	Online student school or college portal	https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD
17	Online movie booking system project	https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm
18	Online Pizza Delivery system project	https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM
19	Online Crime Reporting system Project	https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO
20	Online Children Adoption Project	https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N

QUIZ

Started on	Monday, 8 January 2024, 9:01 PM
State	Finished
Completed on	Monday, 8 January 2024, 9:40 PM
Time taken	39 mins 17 secs
Grade	23.00 out of 40.00 (57.5%)

Question 1

Complete

Mark 0.00 out of 1.00

Among the given collections which is the I/O index based?

- ☐ a. BitArray
- ☒ b. ArrayList
- ☐ c. Both other options

The correct answer is: Both other options

Question 2

Complete

Mark 1.00 out of 1.00

C# treats the multiple catch statements like cases in which statement?

- ☐ a. if
- ☒ b. switch
- ☐ c. for
- ☐ d. while

The correct answer is: switch

Question 3

Complete

Mark 0.00 out of 1.00

Choose the correct option among the following indexers which correctly allows to index in same way as an array?

- ☐ a. A class
- ☐ b. A function
- ☐ c. A property
- ☒ d. An interface

The correct answer is: A class

Question 4

Complete

Mark 1.00 out of 1.00

What will be the output of following code?

```
public static void Main()
{
    int k;
    display(k);
}
static void display (int val =0)
{
    Console.Write(val);
}
```

- ☐ a. Null
- ☐ b. 0
- ☒ c. Compiletime Error
- ☐ d. Runtime Error

The correct answer is:
Compiletime Error

Question 5

Complete

Mark 0.00 out of 1.00

Choose the correct statement about properties describing the indexers?

- ☐ a. No need to use the name of the property while using an indexed property
- ☐ b. All of the mentioned
- ☐ c. Indexers can be overloaded
- ☒ d. An indexer property should accept at least one argument

The correct answer is: All of the mentioned

Question 6

Complete

Mark 1.00 out of 1.00

Choose the correct statement among the followings?

- ☐ a. Indexer is a form of property and works in the same way as a property
- ☒ b. All mentioned
- ☐ c. Indexers are location indicators
- ☐ d. Indexers are used to access class objects

The correct answer is: All mentioned

Question 7

Complete

Mark 0.00 out of 1.00

Choose the correct statement among the followings?

- ☐ a. Indexer is a form of property and works in the same way as a property
- ☒ b. Indexers are location indicators
- ☐ c. All of the mentioned
- ☐ d. Indexers are used to access class objects

The correct answer is: All of the mentioned

Question 8

Complete

Mark 0.00 out of 1.00

Choose the correct statement among the followings?

- ☐ a. All mentioned
- ☐ b. Indexers are location indicators
- ☐ c. Indexer is a form of property and works in the same way as a property
- ☒ d. Indexers are used to access class objects

The correct answer is: All mentioned

Question 9

Complete

Mark 1.00 out of 1.00

Choose the keyword which declares the indexer?

- ☐ a. extract
- ☒ b. this
- ☐ c. super
- ☐ d. base

The correct answer is: this

Question 10

Complete

Mark 1.00 out of 1.00

Choose the namespace which supports multithreading programming?

- ☒ a. System.Threading
- ☐ b. All mentioned
- ☐ c. System.net
- ☐ d. System.Linq

The correct answer is: System.Threading

Question 11

Complete

Mark 0.00 out of 1.00

Choose the operator/operators which is/are not used to access the [] operator in indexers?

- ☒ a. all mentioned
- ☐ b. set
- ☐ c. get
- ☐ d. access

The correct answer is: access

Question 12

Complete

Mark 0.00 out of 1.00

How do you manage states in an ASP.NET application?

- ☐ a. All mentioned
- ☐ b. Session Objects
- ☐ c. Application Objects
- ☒ d. Viewstate

The correct answer is: All mentioned

Question 13

Complete

Mark 1.00 out of 1.00

In C#, having unreachable code is always ?

- ☒ a. error
- ☐ b. iterative
- ☐ c. method
- ☐ d. function

The correct answer is: error

Question 14

Complete

Mark 0.00 out of 1.00

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

- ☐ a. Begin()
- ☐ b. All mentioned
- ☒ c. New()
- ☐ d. Start()

The correct answer is: Start()

Question 15

Complete

Mark 0.00 out of 1.00

Operators that can be overloaded are?

- ☐ a. '+='
- ☒ b. ||
- ☐ c. []
- ☐ d. +

The correct answer is: +

Question 16

Complete

Mark 1.00 out of 1.00

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 ?

- ☐ a. i-True, ii-False
- ☐ b. i-False, ii-False
- ☐ c. i-False, ii-True
- ☒ d. i-True, ii-True

The correct answer is:
i-True, ii-True

Question 17

Complete

Mark 1.00 out of 1.00

Select the modifiers which can be used with the properties?

- ☐ a. Public
- ☐ b. Private
- ☒ c. All of the mentioned
- ☐ d. Protected Internal

The correct answer is: All of the mentioned

Question 18

Complete

Mark 1.00 out of 1.00

Suppose value of the Capacity property of ArrayList Collection is set to 4. What will be the capacity of the Collection on adding fifth element to it?

- ☒ a. 8
- ☐ b. 4
- ☐ c. 16
- ☐ d. 32

The correct answer is: 8

Question 19

Complete

Mark 1.00 out of 1.00

The infrastructure that supports these dynamic operations at run time is called ?

- ☐ a. CLR
- ☐ b. CTS
- ☐ c. CLS
- ☒ d. DLR

The correct answer is: DLR

Question 20

Complete

Mark 1.00 out of 1.00

To use the .NET Framework Data Provider for SQL Server, an application must reference to which namespace?

- ☐ a. None of the mentioned
- ☐ b. System.Data.Sql
- ☒ c. System.Data.SqlClient
- ☐ d. System.Data.Client

The correct answer is: System.Data.SqlClient

Question 21

Complete

Mark 1.00 out of 1.00

What does "public Thread(ThreadStart start)" specify?

- ☐ a. Declaration of a thread constructor
- ☐ b. Defines a thread
- ☒ c. Only Defines a thread & Declaration of a thread constructor
- ☐ d. Only Defines a thread

The correct answer is: Only Defines a thread & Declaration of a thread constructor

Question 22

Complete

Mark 0.00 out of 1.00

What ensures complete interoperability among applications, regardless of the language used to create the application?

- ☒ a. CLR
- ☐ b. CTS
- ☐ c. CLS
- ☐ d. FCL

The correct answer is: CLS

Question 23

Complete

Mark 1.00 out of 1.00

What function modifier can be put on a method in a base class to allow the child to override it?

- ☐ a. Must Override
- ☐ b. Sealed
- ☒ c. Virtual
- ☐ d. Abstarct

The correct answer is: Virtual

Question 24

Complete

Mark 0.00 out of 1.00

What is Operator Overloading?

- ☒ a. The ability to declare more than one method with the same name but a different signature
- ☐ b. Enables user-defined operator implementations for various operators such as: true, false
- ☐ c. Enables user-defined operator implementations for various operators such as: =, typeof

The correct answer is: Enables user-defined operator implementations for various operators such as: true, false

Question 25

Complete

Mark 1.00 out of 1.00

What is the vector in operator overloading?

- ☒ a. data type
- ☐ b. method()
- ☐ c. class
- ☐ d. none of the mentioned

The correct answer is: data type

Question 26

Complete

Mark 0.00 out of 1.00

Which among the following are the advantages of using indexers?

- ☒ a. 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
- ☐ b. Indexers are also convenient as they can also make use of different types of indexers like int, string etc
- ☐ c. All mentioned
- ☐ d. An indexer allows an object to be indexed such as an array

The correct answer is: All mentioned

Question 27

Complete

Mark 0.00 out of 1.00

Which component in Asp.net MVC can be used to pass data between controller to view (Assume you have to pass current date and time)?

- ☒ a. ViewData["DateTime"] = DateTime.Now.ToString();
- ☐ b. DataView["DateTime"] = DateTime.Now.ToString();
- ☐ c. ViewBag["DateTime"] = DateTime.Now.ToString();
- ☐ d. ViewState["DateTime"] = DateTime.Now.ToString();

The correct answer is: ViewBag["DateTime"] = DateTime.Now.ToString();

Question 28

Complete

Mark 1.00 out of 1.00

Which keyword is used for using the synchronization features defined by the Monitor class?

- ☐ a. locked
- ☐ b. monitor
- ☐ c. synchronized
- ☒ d. lock

The correct answer is: lock

Question 29

Complete

Mark 1.00 out of 1.00

Which method is called when a thread is blocked from running temporarily?

- ☐ a. Pulse()
- ☐ b. PulseAll()
- ☐ c. Hold()
- ☒ d. Wait()

The correct answer is: Wait()

Question 30

Complete

Mark 0.00 out of 1.00

Which method removes and returns the object at the beginning of the Queue?

- ☒ a. public virtual void Dequeue();
- ☐ b. public virtual void Delete();
- ☐ c. public virtual object Dequeue();
- ☐ d. public virtual void Clear();

The correct answer is: public virtual object Dequeue();

Question 31

Complete

Mark 1.00 out of 1.00

Which of the following is NOT an interface declared in System.Collections namespace?

- ☐ a. IEnumerable
- ☐ b. IEnumerator
- ☒ c. IDictionaryComparer
- ☐ d. IComparer

The correct answer is: IDictionaryComparer

Question 32

Complete

Mark 1.00 out of 1.00

Which of the following is the correct way to find out the number of elements currently present in an ArrayList Collection called arr?

- ☐ a. arr.GrowSize
- ☒ b. arr.Count
- ☐ c. arr.MaxIndex
- ☐ d. arr.Capacity

The correct answer is: arr.Count

Question 33

Complete

Mark 1.00 out of 1.00

Which of the following keyword is used to overload user defined types by defining static member functions?

- ☒ a. operator
- ☐ b. opoverload
- ☐ c. operatoroverload
- ☐ d. op

The correct answer is: operator

Question 34

Complete

Mark 1.00 out of 1.00

Which of the following statements is correct about a delegate?

- ☒ a. delegates provides wrappers for function pointers
- ☐ b. none of the mentioned
- ☐ c. inheritance is a prerequisite for using delegates
- ☐ d. delegates are not type safe

The correct answer is: delegates provides wrappers for function pointers

Question 35

Complete

Mark 1.00 out of 1.00

Which of these class is used to make a thread?

- ☐ a. String
- ☒ b. Thread
- ☐ c. Runnable
- ☐ d. System

The correct answer is: Thread

Question 36

Complete

Mark 1.00 out of 1.00

Which of these classes is used to make a thread?

- ☐ a. Runnable
- ☐ b. String
- ☒ c. Thread
- ☐ d. System

The correct answer is: Thread

Question 37

Complete

Mark 0.00 out of 1.00

Which of these keywords are used to implement synchronization?

- ☐ a. synchronized
- ☒ b. sync
- ☐ c. syn
- ☐ d. synch

The correct answer is: synchronized

Question 38

Complete

Mark 0.00 out of 1.00

Which of these method of Thread class is used to Suspend a thread for a period of time?

- ☐ a. stop()
- ☐ b. sleep()
- ☐ c. terminate()
- ☒ d. suspend()

The correct answer is: sleep()

Question 39

Complete

Mark 0.00 out of 1.00

Which of these methods of Thread class is used to Suspend a thread for a period of time?

- ☐ a. stop()
- ☐ b. terminate()
- ☐ c. sleep()
- ☒ d. suspend()

The correct answer is: sleep()

Question 40

Complete

Mark 1.00 out of 1.00

Which Property we can use to gets or sets the number of elements that the ArrayList can Contain?

- ☐ a. Length
- ☐ b. Item
- ☐ c. Count
- ☒ d. Capacity

The correct answer is: Capacity

QUIZ

Started on	Wednesday, 10 January 2024, 9:46 PM
State	Finished
Completed on	Wednesday, 10 January 2024, 9:59 PM
Time taken	12 mins 25 secs
Grade	32.00 out of 40.00 (80%)

Question 1

Correct

Mark 1.00 out of 1.00

All Controllers in ASP.NET MVC (.Net Framework) inherit from the following class?

- ☒ a. Controller ✓
- ☐ b. ControllerBase
- ☐ c. AsyncController
- ☐ d. Object

The correct answer is: Controller

Question 2

Correct

Mark 1.00 out of 1.00

What will be the output of the following code snippet?

```
public class Class1 {public int l{get;set;}}

public class MainClass
{
    public static void Main()
    {
        Class1 o1= new Class1{l=10};
        Class1 o2= new Class1{l=20};
        Swap(o1,o2);
        Console.WriteLine($"{o1.l},{o2.l}");
    }
    public static void Swap(Class1 o1, Class1 o2)
    {
        Class1 temp=o1;
        o1 = o2;
        o2 = temp;
    }
}
```

- ☐ a. Compilation Error
- ☐ b. Runtime Error
- ☒ c. 10,20 ✓
- ☐ d. 20,10

Your answer is correct.

The correct answer is:
10,20

Question 3

Correct

Mark 1.00 out of 1.00

What would be the output of the following code snippet?

```
public static void Main()
{
    try
    {
        inti = 100, j = 0;
        i /= j;
        Console.Write(i);
    }
    catch (SystemException ex)
    {
        Console.WriteLine("SystemException");
    }
    catch (DivideByZeroException ex)
    {
        Console.WriteLine("DivideByZeroException");
    }
    catch (Exception ex)
    {
        Console.WriteLine("Exception");
    }
}
```

- ☐ a. SystemException
- ☐ b. DivideByZeroException
- ☐ c. Exception
- ☒ d. Code will not compile ✓

Your answer is correct.

The correct answer is:

Code will not compile

Question 4

Incorrect

Mark 0.00 out of 1.00

Give the output of the following code snippet?

```
int [, ] arr = new int [5,3,4];
```

```
Console.Write(arr.Rank + ",");
```

```
Console.Write(arr.GetLength(1));
```

- ☒ a. 3,5 ✖
- ☐ b. 2,5
- ☐ c. 3,3
- ☐ d. 3,4

Your answer is incorrect.

The correct answer is:

3,3

Question 5

Incorrect

Mark 0.00 out of 1.00

All models in ASP.NET MVC inherit from the following class?

- ☒ a. Controller ✖
- ☐ b. View
- ☐ c. Object
- ☐ d. Model

The correct answer is: Object

Question 6

Correct

Mark 1.00 out of 1.00

An interface can be explicitly implemented using the following syntax?

- ☐ a. `public class MyClass : IMyInterface { public void IMyInterface:InterfaceMethod(){} }`
- ☐ b. `public class MyClass : IMyInterface { public void InterfaceMethod : IMyInterface(){} }`
- ☒ c. `public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} } ✓`
- ☐ d. `public class MyClass : IMyInterface { public void interfaceMethod(){} }`

The correct answer is: `public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }`

Question 7

Incorrect

Mark 0.00 out of 1.00

For Web Api, which of these methods is used to perform an update?

- ☐ a. Post
- ☐ b. Get
- ☒ c. Put ❌
- ☐ d. Delete

The correct answer is: Post

Question 8

Correct

Mark 1.00 out of 1.00

How do you ensure that a user must be logged in to call a particular Action method?

- ☐ a. [AllowAnonymous]
- ☐ b. [Authenticate]
- ☒ c. [Authorize] ✔️
- ☐ d. [NoAction]

The correct answer is: [Authorize]

Question 9

Correct

Mark 1.00 out of 1.00

In ASP.NET MVC CORE, what is the syntax to store a string in a session variable?

- ☐ a. HttpContext.Session.SetInt32("key", "Hello");
- ☒ b. HttpContext.Session.SetString("key", "Hello"); ✔️
- ☐ c. Session["key"] = "Hello";
- ☐ d. HttpContext.Session.Set("key", "Hello");

The correct answer is: HttpContext.Session.SetString("key", "Hello");

Question 10

Correct

Mark 1.00 out of 1.00

In ASP.NET MVC, bundling and minification can be turned on by doing the following in the compilation section in web.config?

- ☐ a. Set minification = True
- ☐ b. Set debug = True
- ☐ c. Set bundling = True
- ☒ d. Set debug = False ✓

The correct answer is: Set debug = False

Question 11

Correct

Mark 1.00 out of 1.00

In Reflection, the following class is used to represent the details of a Class?

- ☐ a. Class
- ☐ b. Object
- ☐ c. ReferenceType
- ☒ d. Type ✓

The correct answer is: Type

Question 12

Incorrect

Mark 0.00 out of 1.00

In the following Entity Framework technique, the class is written first and the database generated from the classes?

- ☐ a. DbFirst
- ☐ b. EntityFirst
- ☒ c. ModelFirst ✗
- ☐ d. CodeFirst

The correct answer is: CodeFirst

Question 13

Correct

Mark 1.00 out of 1.00

JIT compilation converts application run time from?

- ☒ a. IL to Native code ✓
- ☐ b. Source code to IL Code
- ☐ c. Source code to Byte Code
- ☐ d. IL to Assembly code

The correct answer is: IL to Native code

Question 14

Correct

Mark 1.00 out of 1.00

The .Net equivalent of a float in CSharp is?

- ☒ a. System.Single ✓
- ☐ b. System.Decimal
- ☐ c. System.Double
- ☐ d. System.Float

The correct answer is: System.Single

Question 15

Correct

Mark 1.00 out of 1.00

The Garbage Collector runs in the following situation?

- ☐ a. When you set a reference variable to null
- ☐ b. When an object goes out of scope
- ☐ c. When the destructor is called
- ☒ d. When the system has low physical memory ✓

The correct answer is: When the system has low physical memory

Question 16

Correct

Mark 1.00 out of 1.00

To asynchronously call a method which takes a string parameter and does not have a return value using a delegate, the correct syntax would be ?

- ☐ a. DelegateObjectName("Hello");
- ☐ b. DelegateClassName("Hello");
- ☒ c. DelegateObjectName.BeginInvoke(null,null,"Hello");✓
- ☐ d. MethodName("Hello");

The correct answer is: DelegateObjectName.BeginInvoke(null,null,"Hello");

Question 17

Correct

Mark 1.00 out of 1.00

To call a method that has a void return value, use the following inbuilt delegate?

- ☐ a. Predicate
- ☒ b. Action✓
- ☐ c. Func
- ☐ d. Delegate

The correct answer is: Action

Question 18

Correct

Mark 1.00 out of 1.00

To create a SqlDataReader in a function and to return the SqlDataReader from the function, ideally the SqlDataReader should be opened in the following manner?

- ☒ a. SqlDataReaderdr = cmd.ExecuteReader(CommandBehavior.CloseConnection);✓
- ☐ b. SqlDataReaderdr = cmd.OpenReader();
- ☐ c. SqlDataReaderdr = cmd.ExecuteReader();
- ☐ d. SqlDataReaderdr = cmd.Read();

The correct answer is: SqlDataReaderdr = cmd.ExecuteReader(CommandBehavior.CloseConnection);

Question 19

Correct

Mark 1.00 out of 1.00

To create a Task and start it immediately, we do the following?

- ☐ a. Create a Task object and pass the methodname as a parameter
- ☒ b. Call Task.Run() ✓
- ☐ c. Create a Task object and call the taskobject.Start() method
- ☐ d. Create a Task object and call the taskobject.Run() method

The correct answer is: Call Task.Run()

Question 20

Correct

Mark 1.00 out of 1.00

To iterate through a SortedList<int,string> using a foreach loop, we use the following class?

- ☐ a. SortedList<int,string>
- ☒ b. KeyValuePair<int,string> ✓
- ☐ c. DictionaryEntry
- ☐ d. var

The correct answer is: KeyValuePair<int,string>

Question 21

Correct

Mark 1.00 out of 1.00

To run a command that returns a single value use the following?

- ☐ a. Command.ExecuteReader()
- ☒ b. Command.ExecuteScalar() ✓
- ☐ c. Command.ExecuteNonQuery()
- ☐ d. Command.Single()

The correct answer is: Command.ExecuteScalar()

Question 22

Correct

Mark 1.00 out of 1.00

To use a thread already created and maintained by the CLR, we use the following class from System.Threading?

- ☐ a. Thread
- ☐ b. ThreadStart
- ☐ c. ParameterizedThreadStart
- ☒ d. ThreadPool ✓

The correct answer is: ThreadPool

Question 23

Correct

Mark 1.00 out of 1.00

What does ICollection<T> directly inherit from?

- ☐ a. IList<T>
- ☐ b. ICollection
- ☐ c. Object
- ☒ d. IEnumerable<T> ✓

The correct answer is: IEnumerable<T>

Question 24

Correct

Mark 1.00 out of 1.00

What is a common set of rules that all .net languages must follow?

- ☐ a. MSIL
- ☐ b. IL
- ☐ c. App Domains
- ☒ d. CLS ✓

The correct answer is: CLS

Question 25

Incorrect

Mark 0.00 out of 1.00

When is the static constructor called?

- ☐ a. When the Main() function is run
- ☐ b. When any object of the class is created
- ☒ c. When the Assembly is loaded in memory ✖
- ☐ d. When the class is loaded into memory

The correct answer is: When the class is loaded into memory

Question 26

Correct

Mark 1.00 out of 1.00

Which command given at the command line is used to register an assembly as a shared assembly?

- ☐ a. InstallUtil
- ☒ b. GacUtil ✔
- ☐ c. AssemblyUtil
- ☐ d. SharedUtil

The correct answer is: GacUtil

Question 27

Correct

Mark 1.00 out of 1.00

Which does the FileMode.CreateNew do while opening a file?

- ☒ a. Throws an exception if file already present. Creates a new file if file not present ✔
- ☐ b. Overwrites a file if file already present. Throws an exception if file not present
- ☐ c. Overwrites a file if file already present. Creates a new file if file not present
- ☐ d. Adds to a file if file already present. Creates a new file if file not present

The correct answer is: Throws an exception if file already present. Creates a new file if file not present

Question 28

Incorrect

Mark 0.00 out of 1.00

Which of the following is correct syntax for a property accessor?

- ☐ a. `public int P1{ private get{...} private set{...} }` ❌
- ☐ b. `protected int P1{ private get{...} set{...} }`
- ☐ c. `protected int P1{ public get{...} set{...} }`
- ☐ d. `private int P1{ public get{...} set{...} }`

The correct answer is: `protected int P1{ private get{...} set{...} }`

Question 29

Correct

Mark 1.00 out of 1.00

Which of the following statements is false?

- ☐ a. An abstract method must exist in an abstract class
- ☐ b. An abstract class need not have an abstract method
- ☐ c. All abstract methods are late bound
- ☒ d. An abstract method can be implemented in the derived class by using the 'implements' keyword ✓

The correct answer is: An abstract method can be implemented in the derived class by using the 'implements' keyword

Question 30

Correct

Mark 1.00 out of 1.00

Which of the following statements is False?

- ☐ a. A SqlCommand requires an open connection
- ☐ b. A SqlTransaction requires an open connection
- ☐ c. A SqlDataReader requires an open connection
- ☒ d. A DataSet requires an open connection ✓

The correct answer is: A DataSet requires an open connection

Question 31

Correct

Mark 1.00 out of 1.00

Which of the following statements is false?

- ☐ a. The derived class method must have the same signature as the base class method to override it
- ☐ b. Late binding occurs when you call a method that has been overridden
- ☐ c. The derived class method must have the override keyword to override a base class method
- ☒ d. Any base class method can be overridden in the derived class ✓

The correct answer is: Any base class method can be overridden in the derived class

Question 32

Correct

Mark 1.00 out of 1.00

Which of these Data Annotations allow us to specify pattern matching?

- ☐ a. DisplayFormat
- ☐ b. DataType
- ☒ c. RegularExpression ✓
- ☐ d. CustomValidation

The correct answer is: RegularExpression

Question 33

Correct

Mark 1.00 out of 1.00

Which of these is available from in subsequent requests for the current user only?

- ☒ a. Session variable ✓
- ☐ b. TempData variable
- ☐ c. ViewData variable
- ☐ d. Cookie

The correct answer is: Session variable

Question 34

Incorrect

Mark 0.00 out of 1.00

Which of these is available from the Controller to the View only and not in subsequent requests or redirects?

- ☐ a. ViewData variable
- ☐ b. Cache variable
- ☐ c. Session variable
- ☒ d. TempData variable ❌

The correct answer is: ViewData variable

Question 35

Correct

Mark 1.00 out of 1.00

Which of these is not a reference type?

- ☐ a. Interface
- ☐ b. Delegate
- ☐ c. Array
- ☒ d. Enum ✔️

The correct answer is: Enum

Question 36

Correct

Mark 1.00 out of 1.00

Which of these LINQ methods provides immediate execution?

- ☐ a. `var x = y.Select(...)`
- ☐ b. `var x = y.AsParallel()`
- ☒ c. `var x = y.ToList()` ✔️
- ☐ d. `var x = y.Where(...)`

The correct answer is: `var x = y.ToList()`

Question 37

Incorrect

Mark 0.00 out of 1.00

Which of these statements is false for a struct?

- ☐ a. A struct can contain a property
- ☒ b. A struct can contain a private member ✖
- ☐ c. All structs are value types
- ☐ d. A struct can contain a constructor with no parameters

The correct answer is: A struct can contain a constructor with no parameters

Question 38

Correct

Mark 1.00 out of 1.00

Which of these WCF bindings is used to create a REST service?

- ☒ a. WebHttpBinding ✔
- ☐ b. RestHttpBinding
- ☐ c. BasicHttpBinding
- ☐ d. WsHttpBinding

The correct answer is: WebHttpBinding

Question 39

Correct

Mark 1.00 out of 1.00

Which of these will generate a compilation error?

- ☐ a. `var employees = emps.Where(emp=>emp.Name.StartsWith("A"));`
- ☐ b. `var employees = emps.Select(emp=>emp.Name);`
- ☐ c. `var employees = emps.Where(emp=>emp.Name.StartsWith("A")).Select(emp=>emp.Name);`
- ☒ d. `var employees = emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A"));` ✔

The correct answer is: `var employees = emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A"));`

Question 40

Correct

Mark 1.00 out of 1.00

Why should you not write cleanup code in a Destructor in .Net?

- ☐ a. There is no Destructor in CSharp
- ☐ b. The statement is incorrect. You should write cleanup code in a Destructor
- ☐ c. There is no Destructor in .Net
- ☒ d. .Net follows nondeterministic finalization ✓

The correct answer is: .Net follows nondeterministic finalization

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