**Q1**

\_\_\_\_\_\_\_\_\_ is work products by providing a pre-defined structure for creating the work product.

*Single Choice - Select one correct answer from the options list.*

Tools

Checklist

Template

Baseline

**Q2**

Which of the Azure Security Model synchronizes on-premises directories and enable single sign-on?

*Single Choice - Select one correct answer from the options list.*

Azure B2C

Security Center

Azure AD

Key Vault

**Q3**

Which is a set of datacenters deployed within a latency-defined perimeter and connected through   
a dedicated regional low-latency network?

*Single Choice - Select one correct answer from the options list.*

Region

Availability Zone

Geography

Cloud Centre

**Q4**

Identify the .NET Microservices architecture category, that provides much better readability and   
much easier to maintain:

*Single Choice - Select one correct answer from the options list.*

Code

Deployment

Understandability

Scaling

**Q5**

Which of the following receives and processes incoming Docker API requests?

*Single Choice - Select one correct answer from the options list.*

Docker Daemon

Docker Client

Docker Hub Registry

Docker Pool

**Q6**

Identify the correct statement w.r.t. GIT.

*Single Choice - Select one correct answer from the options list.*

Every change in the history of a project is represented by a commit

The most recent commit on a branch is referred to as the tip of that branch.

A "branch" is an active line of development.

All of the above

**Q7**

State whether the following statements are True or False w.r.t. Microservices:  
  
1. Microservice is not domain driven.  
2. Microservice improves deployment times and load times for IDE

*Single Choice - Select one correct answer from the options list.*

Statement1 is True  
Statement2 is False

Both the Statements are True

Statement1 is False  
Statement2 is True

Both the Statements are False

**Q8**

Azure Monitoring helps to track performance, maintain security, and identify trends.  
Azure Monitoring can be applied at which level?

*Single Choice - Select one correct answer from the options list.*

Resource Level

Resource Group Level

Enterprise Level

All of the above

**Q9**

Which of the following is used to distribute the traffic evenly among the resources?

*Single Choice - Select one correct answer from the options list.*

Load Balancer

Traffic Manager

Azure VPN Gateway

Load Manager

**Q10**

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

*Single Choice - Select one correct answer from the options list.*

Common Language Infrastructure

CLR

Garbage Collector

Class Loader

**Q11**

Which of the following form tag is used for creating multi-line text input control?

*Single Choice - Select one correct answer from the options list.*

<input type="multiline" />

<input type="text" />

<input type="textarea" />

<textarea></textarea>

**Q12**

What will be the output of the below code?  
  
<html>  
 <body>  
   <form name = "myform1">  
   </form>  
   <form name = "myform2">  
   </form>  
  <script language = "JavaScript">  
  document.write(document.forms.length);  
  </script>  
 </body>  
</html>

*Single Choice - Select one correct answer from the options list.*

1

2

0

myform1  
myform2

**Q13**

Given the below Style definition in html page, how can this style will be applied to a paragraph?  
  
<style>  
        #mytext  
        {     background-color: yellow;     }  
</style>

*Single Choice - Select one correct answer from the options list.*

<p class="mytext">This is paragraph</p>

<p class="#mytext">This is paragraph</p>

<p id="mytext">This is paragraph</p>

<p id="#mytext">This is paragraph</p>

**Q14**

Which of the following statement is true about below code?  
  
<xs:element name="project" minOccurs="1" maxOccurs="unbounded" />

*Single Choice - Select one correct answer from the options list.*

project element will occur only one time

project element will occur zero or more times

project element will occur one or more times

project element will occur zero time

**Q15**

AJAX Helpers are used to create AJAX enabled elements like Ajax forms and links,  
that exist in which namespace?

*Single Choice - Select one correct answer from the options list.*

System. Web. Ajax

System. Web. Mvc. Ajax

System. Mvc. Ajax

System. Web. Mvc. AjaxHelpers

**Q16**

Identify the correct code snippet which is used for mixing code and plain text:

*Single Choice - Select one correct answer from the options list.*

<text>Customer name is @customerName</text>

<text>Customer name is #customerName</text>

<text>Customer name is %customerName</text>

<text>Customer name is $customerName</text>

**Q17**

Given the below code which will be written in Routeconfig.cs file under the App\_Start folder.   
  
 public static void RegisterRoutes(\_\_\_\_\_\_\_  routes)  
        {  
            routes.IgnoreRoute("{resource}.axd/{\*pathInfo}");  
  
            routes.MapRoute(  
                name: "Default",  
                url: "{controller}/{action}/{id}",  
                defaults: new { controller = "App", action = "Index", id = UrlParameter.Optional }  
            );  
        }  
  
Identify the correct parameter type to be filled in the blank:

*Single Choice - Select one correct answer from the options list.*

RouteCollection

RouteList

Routes

RoutingCollection

**Q18**

Identify the FALSE statement w.r.t Controller in MVC:

*Single Choice - Select one correct answer from the options list.*

Controller is a class that manages the relationship between the View and Model

Controller class is conventionally denoted by the suffix Controller

Controller responds to user input, talks to the Model, and it decides which view to render

Action mentods under controller are private and are accessible via URL

**Q19**

Which of the following class is used to set an element in center?

*Single Choice - Select one correct answer from the options list.*

.center

.center-block

.center-element

.center-content

**Q20**

Which of the following is the correct way to provide employee name in uppercase in Angular 2?

*Single Choice - Select one correct answer from the options list.*

1. <tr \*ngFor="let emp of employees" >  
<td>{{emp.empName :uppercase}}</td>  
</tr>

2. <tr \*ngFor="let emp of employees" >  
<td>{{emp.empName |uppercase}}</td>  
</tr>

<tr \*ngFor="let emp of employees" >  
<td>{{emp.empName :toupper}}</td>  
</tr>

<tr \*ngFor="let emp of employees" >  
<td>{{emp.empName |toupper}}</td>  
</tr>

**Q21**

State whether the following statements are True or False:  
  
1. Bindings describe a service's behavior, structures, or message format  
2. Bindings describe how a service is accessed

*Single Choice - Select one correct answer from the options list.*

Statement1 is True  
Statement2 is False

Both the Statements are True

Statement1 is False  
Statement2 is True

Both the Statements are False

**Q22**

Complete the code given below, such that the API controller, will restrict the users to access the Post method.  
  
public class ProductController:ApiController  
  {  
xxxxxxxxx  
  public HttpResposneMessage Post()   
  {  
//Some Code  
  }  
}

*Single Choice - Select one correct answer from the options list.*

[Allow(Users="Raju, Amar")]

[Authorize(Users="Raju, Amar")]

[Authenticate(Users="Raju, Amar")]

[Validate(Users="Raju, Amar")]

**Q23**

Select the statements which are valid w.r.t to ASP.NET Identity.

*Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.*

We can use ASP.NET Identity in SignalR service as well.

Its limited to only web applications & can NOT be used in Windows Phone programming.

ASP.NET Identity has also support of OAuth.

To include ASP.NET Identity support in application we need to always use SQL Server database.

**Q24**

Which of the following tool in Visual Studio is used to render a web page which lets you examine   
both the source code and the resulting output?

*Single Choice - Select one correct answer from the options list.*

Hierarchical Indentation

Image Optimizer

Auto-reduce statement completion

Page Inspector

Ans: Page Inspector

**Q25**

How to assign Web.sitemap file to SiteMapPath control as its data source?

*Single Choice - Select one correct answer from the options list.*

Set Web.sitemap file path to DataSource property of SiteMapPath control.

Set Web.sitemap file path to SiteMap property of SiteMapPath control.

Set Web.sitemap file path to XmlFile property of SiteMapPath control.

No need to set any property as it is auto configured

Ans: No need to set any property as it is auto configured.

**Q26**

Geeta has written some code in Page\_Load() which is also executing each time when user is clicking   
on submit button. How can she avoid this problem?

*Single Choice - Select one correct answer from the options list.*

Write code within the block which executes only when Page.IsPostBack is true.

Write code within the block which executes only when Page.IsPostBack is false.

Write code within the block which executes only when Page.IsAsync is true.

Write code within the block which executes only when Page.IsValid is true.

A) Write code within the block which executes only when Page.IsPostBack is false.

**Q27**

Identity the correct field type for GridView to display user-defined content for each item in   
the Gridview control according to a specified template.

*Single Choice - Select one correct answer from the options list.*

Button Field

CommandField

TemplateField

BoundField

**Q28**

Identify the correct way by which we can check entire page validation status instead to find out if   
all the validation controls succeeded?

*Single Choice - Select one correct answer from the options list.*

By checking IsPostBack property of Page class.

By checking IsValid property of Page class.

By checking IsValid property of ValidationSummary control.

By checking IsError property of ValidationSummary control.

Ans: By checking IsValid property of Page class.

**Q29**

Akhila is developing ASP.NET application in which she needs to maintain user specific information   
in the form of cookies for next 20 minutes. Select the correct code snippet to complete this requirement.

*Single Choice - Select one correct answer from the options list.*

HttpCookie ck = new HttpCookie("Persistence");  
ck.Value = "Some user specific information here";  
ck.Expires = DateTime.Now.AddMinutes(20);  
Response.Cookies.Add(ck);

HttpCookie ck = new HttpCookie("Persistence");  
ck.Value = "Some user specific information here";  
ck.Expires = 1200;  
Response.Cookies.Add("Persistence");

HttpCookie ck = new HttpCookie("Persistence");  
ck.Value = "Some user specific information here";  
ck.Expires = 20;  
Response.Cookies.Add(ck);

HttpCookie ck = new HttpCookie("Persistence", 20);  
ck.Value = "Some user specific information here";  
Response.Cookies.Add(ck);

**Q30**

Which of the following statement is NOT valid w.r.t to ViewState?

*Single Choice - Select one correct answer from the options list.*

We can retrieving the value of ViewState by using its key.

There is no need to cast the retrieved value to respective type.

Used to retain page and control-specific values between round trips on single page.

During postback of a Web page to itself, ASP.NET restores the values in \_VIEWSTATE.

**Q31**

State True or False w.r.t Debugging & Tracing in ASP.NET.  
  
1. Using Step Over, Step In & Step Out are Tracing techniques.  
2. Tracing is a technique to monitor the execution of your ASP.Net applications.

*Single Choice - Select one correct answer from the options list.*

Statement-1 is True & Statement-2 is False.

Statement-1 is False & Statement-2 is True.

Both are True

Both are False

**Q32**

Select statements which are valid w.r.t Master Pages in ASP.NET.

*Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.*

The extension of MasterPage is '.master'.

You can also give direct request to master page.

We can have multiple master pages in one web application.

We can create content page control into master page as well.

**Q33**

Sangeetha has created an application with connected architecture.   
  
She has executed the command and command contains more than one queries.   
After executing command, she had retrieved the result in SqlDataReader object.   
In order to proceed with the next resultset.   
  
Which of the following  method she shall use?

*Single Choice - Select one correct answer from the options list.*

Next()

NextTable()

NextRow

NextResult()

**Q34**

Anshul is developing an application using Disconnected Architecture.  
He has written following code to fetch the customer records in the DataSet:  
He would like to add primary key of Customers table, while filling data in dataset.  
Which of the following option will be replaced at blank space?  
  
SqlConnection connection=new SqlConnection("Valid connection string");  
SqlDataAdapter customerAdapter=new SqlDataAdapter("Select \* From Customers", connection);  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
DataSet dsCustomer=new DataSet();  
customerAdapter.Fill(dsCustomer, "Customer");

*Single Choice - Select one correct answer from the options list.*

customerAdapter.MissingSchemaAction=MissingSchemaAction.AddWithKey;

customerAdapter.MissingSchemaAction=MissingSchemaAction.AddWithPrimaryKey;

dsCustomer.MissingSchemaAction=MissingSchemaAction.AddWithKey;

dsCustomer.MissingSchemaAction=MissingSchemaAction.AddWithPrimaryKey;

**Q35**

Complete the following code snippet:  
  
public void LoadGrid()  
{  
            SqlConnection connection = new SqlConnection();  
            try  
            {  
                connection.ConnectionString = @"ValidConnectionString";// Assume that connection string is valid.  
                connection.Open();  
                SqlCommand Command = new SqlCommand();  
                Command.Connection = connection;  
                string query = "SELECT \* FROM Students";  
                Command.CommandText = query;  
                SqlDataReader Reader =  Command.ExecuteReader();  
                DataTable Table = new DataTable();  
                 //Identify correct code snippet here.  
                dgStudent.DataContext = Table;  
            }  
            catch (SqlException Exception)  
            {  
                MessageBox.Show("Exception Ocurred." + Exception.Message);  
            }  
            finally  
            {  
                if (connection.State == System.Data.ConnectionState.Open)  
                {  
                    connection.Close();  
                }  
            }  
}

*Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.*

DataTable Table = new DataTable();

Table.LoadFromReader);

Table.Load(Reader);

Table.FillFrom(Reader);

**Q36**

Predict the output of the following code:  
  
SqlConnection con = new SqlConnection();  
            con.ConnectionString = ConfigurationManager.ConnectionStrings["conStr"].ConnectionString;  
            SqlDataAdapter sqlDataAdapter = new SqlDataAdapter("SELECT \* FROM Products", con);  
            DataSet dataset = new DataSet();  
            sqlDataAdapter.Fill(dataset, "products");  
            DataRow dataRow = dataset.Tables["products"].Find(1);  
            dataRow.Delete();  
            sqlDataAdapter.Update(dataset);

*Single Choice - Select one correct answer from the options list.*

Compilation error.

The code executes without deleting any record.

The code deletes the product with id 1 from the table.

Exception.

**Q37**

Tom is creating a Product Management System. He wants to auto generate the product id.   
Which of the following code he should use?  
  
Considering connection and command object are already created.

*Single Choice - Select one correct answer from the options list.*

cmd.CommandText="Select Max(ProductID) from Products";  
int id=(int)cmd.ExecuteScalar();  
id = id +1;

cmd.CommandText="Select Max(ProductID) from Products";  
int id=cmd.ExecuteScalar();  
id = id +1;

cmd.CommandText="Select Min(ProductID) from Products";  
int id=(int)cmd.ExecuteScalar();  
id = id +1;

cmd.Text="Select Max(ProductID) from Products";  
int id=(int)cmd.ExecuteScalar();  
id = id +1;

**Q38**

Which of the following statements are valid w.r.t Transactions in .NET?

*Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.*

Transactions allow a system to maintain integrity.

Manual transactions are slower as compared to automatic transactions.

Manual transactions are managed by Managed by Microsoft Distributed Transaction Coordinator (MSDTC)

Manual transactions uses transactional capabilities of the data source.

**Q39**

Which of the following is advantage of LINQ?

*Single Choice - Select one correct answer from the options list.*

Provides debugger support.

Enables strong-typing.

Provides extensive IntelliSense support .

All of the above

Ans: All of the above

**Q40**

Select the correct LINQ code to retrieve the elements greater than 2 to display in descending order.

*Single Choice - Select one correct answer from the options list.*

var elements = from element in array  
orderby element descending  
where element > 2  
select element;

var elements = from element in array  
orderby element descending  
where element < 2  
select element;

var elements = select element  
from element in array  
orderby element descending  
where element > 2;

var elements = select element  
from element in array  
where element < 2;  
orderby element descending

**Q41**

You need to create a method that can be called by using a varying number of parameters.  
(Choose the best option)

*Single Choice - Select one correct answer from the options list.*

Method Overloading

Interface

Named Parameters

Lambda Expressions

**Q42**

Assemblies Metadata consists of \_\_\_\_\_\_\_\_\_\_\_\_.

*Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.*

Identity of the assembly

Attributes

MSIL

PE

**Q43**

For the code snippet given below, what will be the output?  
  
public class MyGeneric<T>  
{  
    public T Field;  
}  
class Program  
{  
    static void Main(string[ ] args)  
    {  
        MyGeneric<String> g = new MyGeneric<String>();  
        g.Field = "Hello";  
        Console.WriteLine(g.Field);  
    }  
}

*Single Choice - Select one correct answer from the options list.*

It will print string "Hello" on the console.

My Generic cannot be used as a class name.

Compile Time Error

Member Field of class MyGeneric is not accessible directly.

**Q44**

Apeksha  wants to create an application which persists the state of "Product" objects into a file.   
The ProductId must not be persisted.  
  
Which of the following options must to used to satisfy the above requirements?

*Single Choice - Select one correct answer from the options list.*

[Serialized]  
class Product  
{  
[NonSerialized]  
int ProductId;  
string ProductName;  
float Price;  
float Quantity;  
}

[Serializable]  
class Product  
{  
[NonSerialized]  
int ProductId;  
string ProductName;  
float Price;  
float Quantity;  
}

[Serializable]  
class Product  
{  
[NonSerializable]  
int ProductId;  
string ProductName;  
float Price;  
float Quantity;  
}

[Serialized]  
class Product  
{  
[Unserialized]  
int ProductId;  
string ProductName;  
float Price;  
float Quantity;  
}

**Q45**

A HashTable t maintains a collection of names of states and capital city of each state.   
Which of the following is the correct way to find out whether "Kerala" state is present   
in this collection or not?

*Single Choice - Select one correct answer from the options list.*

t.ContainsKey("Kerala");

t.HasValue("Kerala");

t.HasKey("Kerala");

t.ContainsState("Kerala");

**Q46**

You are creating an order-tracking application using a Visual C# .NET. When you are unable to track   
a particular order number entered by the user, you need to raise an exception.   
Which of the following options will help you to raise an exception?

*Single Choice - Select one correct answer from the options list.*

try

catch

finally

throw

**Q47**

Which of the following statement should be added to the method named fun( ) to generate output as 913?  
  
class ParentClass  
{  
    protected int i = 13;  
}  
class ChildClass: ParentClass  
{  
    int i = 9;   
    public void fun()  
   {  
        // [\*\*\* Add statement here \*\*\*]  
    }   
}

*Single Choice - Select one correct answer from the options list.*

Console.WriteLine(base.i + " " + i);

Console.WriteLine(i + " " + base.i);

Console.WriteLine(this.i + " " + i);

Console.WriteLine(i + " " + this.i);

**Q48**

Which one of the following manages the allocation and release of memory?

*Single Choice - Select one correct answer from the options list.*

Inheritance

Garbage Collection

Polymorphism

Generics

**Q49**

Which of the following statement is not correct about interface?

*Single Choice - Select one correct answer from the options list.*

Interface is a purely abstract class; it has only signatures, no implementation

Interface members are implicitly public abstract

Interface members must be static

Classes and structs may implement multiple interfaces

**Q50**

Which one of the following option will create a delegate named IsValidTime that accepts   
a DateTime argument and returns a bool value?

*Single Choice - Select one correct answer from the options list.*

public delegate int IsValidTime(bool, DateTime)

public delegate bool IsValidTime(Object, EventArgs)

public delegate void IsValidTime(DateTime)

public delegate bool IsValidTime(DateTime)

**Q51**

Which of the following are the correct ways to declare a delegate for calling the function func()  
defined in the sample class given below?  
  
class Sample  
{  
    public int func(int i, Single j)  
    {  
        //Program code   
    }  
}

*Single Choice - Select one correct answer from the options list.*

delegate d(int i, Single j);

delegate void d(int, Single);

delegate int d(int i, Single j);

delegate int sample.func(int i, Single j);

**Q52**

What will be the output of the C#.NET code snippet given below?  
  
class MySample  
    {   
        static MySample()  
        {   
            Console.Write("MySample Class ");  
        }  
        public static void Demo()  
        {   
            Console.Write("Demo Method ");  
        }   
    }   
    class MyProgram  
    {   
        static void Main(string[ ] args)  
        {   
            MySample.Demo();  
        }   
    }

*Single Choice - Select one correct answer from the options list.*

MySample Class Demo Method

Demo Method

MySample Class

Demo Method MySample Class

**Q53**

Which of the following is the correct output of the C#.NET code snippet given below?  
  
int[ , , ] a = new int[ 3, 2, 3 ];   
    Console.WriteLine(a.Length);

*Single Choice - Select one correct answer from the options list.*

20

4

18

10

**Q54**

\_\_\_\_\_\_\_ is also known as shared secret encryption because the encryption of the data is done with   
an encryption key, a byte array, and the same key is used to decrypt the data also.

*Single Choice - Select one correct answer from the options list.*

Hashing

Symmetric Encryption

Asymmetric Encryption

Polling

**Q55**

Which of the following are true about Docker?  
  
1. Docker is an open platform for developing, shipping, and running applications.  
2.  Docker enables you to separate your applications from your infrastructure so you can deliver software quickly  
3. With Docker, you can manage your infrastructure in the same ways you manage your applications.

*Single Choice - Select one correct answer from the options list.*

1 & 2

1& 3

1,2 & 3

None of the above

**Q56**

Sakina wants to provide a single set of functions that are performed every time after a test is completed.  
  
Which Attribute she should use for the cleanup method?  
  
namespace UnitTesting.Tests  
{  
  using System;  
  using Microsoft.VisualStudio.TestTools.UnitTesting;  
  
  
  [TestClass]  
  public class SuccessTests  
  {  
    [TestInitialize] public void Init()  
    { /\* ... \*/ }  
  
    [-------------------] public void Cleanup()  
    { /\* ... \*/ }  
  
    [TestMethod] public void Add()  
    { /\* ... \*/ }  
  }  
}

*Single Choice - Select one correct answer from the options list.*

TestCleanup

ClassCleanup

Ignore

TextFixtureSetUp

**Q57**

Ramesh has Staff\_Master table. On this table he would like to create a view named Staff\_View.   
He would also like to hide the definition of view. Identify the correct query to create view:

*Single Choice - Select one correct answer from the options list.*

CREATE VIEW Staff\_View  
AS  
SELECT Staff\_Code, Staff\_Name  
FROM Staff\_Master  
WHERE Dept\_Code = 10

CREATE VIEW Staff\_View  
WITH ENCRYPTION  
AS  
SELECT Staff\_Code, Staff\_Name  
FROM Staff\_Master  
WHERE Dept\_Code = 10

CREATE VIEW Staff\_View  
WITH HIDDEN  
AS  
SELECT Staff\_Code, Staff\_Name  
FROM Staff\_Master  
WHERE Dept\_Code = 10

CREATE VIEW Staff\_View  
WITH ENCODE  
AS  
SELECT Staff\_Code, Staff\_Name  
FROM Staff\_Master  
WHERE Dept\_Code = 10

**Q58**

Which of the following is the correct way to execute below stored procedure?  
  
CREATE PROC usp\_StaffCount  
(  
   @dcode        INT,  
   @count         INT    OUT  
)  
AS  
BEGIN  
   SELECT @count = COUNT(Staff\_Code)  
   FROM Staff\_Master  
   WHERE Dept\_Code = @dcode  
END

*Single Choice - Select one correct answer from the options list.*

DECLARE @scount INT  
EXEC usp\_StaffCount 10, @scount  
PRINT @scount

DECLARE @scount INT  
EXEC usp\_StaffCount 10, @scount OUT  
PRINT @scount

DECLARE @scount INT  
EXEC usp\_StaffCount 10  
PRINT @scount

DECLARE @scount INT  
EXEC @scount = usp\_StaffCount 10  
PRINT @scount

**Q59**

Which of the following statement is true about below select query?  
  
SELECT e.empname, m.empname  
FROM emp e, emp m  
WHERE e.mgrno = m.empno;

*Single Choice - Select one correct answer from the options list.*

Display all employee names in both columns

Display manager name and their employees

Display employee name and their manager name

Error in the query

**Q60**

Which of the following statement is correct about below insert query?  
  
INSERT INTO Temp\_Cust  
SELECT \* FROM Customer WHERE cust\_type = 'A';

*Single Choice - Select one correct answer from the options list.*

Inserts all data into Customer table from Temp\_Cust table

Insert data into Customer table from Temp\_Cust table whose cust\_type is A

Inserts all data into Temp\_Cust table from Customer table

Insert data into Temp\_Cust table from Customer table whose cust\_type is A