QUESTION BANK
MODULE NAME: Enterprise Applications Using Windows Azure and Web Services

Category - Simple

1) **Select the correct answer with single option:**

Which of the following correctly denotes the term SLA?

☑ **a)** Service Level Agreement

☐ **b)** System Level Agreement

☐ **c)** Service Load Agreement

☐ **d)** Service Level Annotation

2) **Fill in the blank with correct option:**

Using the classes of the _____ namespace, you can implement transaction programmatically in an application.

☐ **a)** `System.Data.Transactions`

☑ **b)** `System.Transactions`

☐ **c)** `System.Trans`

☐ **d)** `Data.Transactions`

3) **Select the correct answer with single option:**

Which property of the Connection object defines the information required to find the data source, log on, and then, choose an initial database?

☐ **a)** `ConnectionInfo`

☐ **b)** `DatabaseServerInfo`

☑ **c)** `ConnectionString`

☐ **d)** `DatabaseString`

4) **Fill in the blank with correct option:**

Each blob in a Windows Azure Storage account can have ____ KB of metadata.

☐ **a)** 16

☑ **b)** 8

☐ **c)** 24

☐ **d)** 12

5) **Fill in the blank with correct option:**

_____ is a core feature of Windows Azure that acts as a messaging channel and enables the cloud and on-premises applications to communicate through messages.

☐ **a)** Storage Services

☐ **b)** Web API

☑ **c)** Service Bus

☐ **d)** Transaction

Category - Average

1) **Select the correct answer with multiple options:**

Identify the constraints that are mandatory for a Web service to qualify as a RESTful service.

☑ **a)** Client-server constraint - The user interface of the service should be separate from the data storage of the service.

☐ **b)** Stateful constraint - Specifies that a request should be stateful and maintain state.

☑ **c)** Cached constraint - The server has the capability to inform that a response could be cached so that clients can accordingly handle the response.

☑ **d)** Layered constraint - The service should be composed of layers where each layer can access and is accessible to its neighbor layer.

2) **Select the correct answer with single option:**

Peter is a software developer who created a Windows Azure storage account before June 8th 2012. John is his colleague who created his account in June 2014. Up to how much data can be accommodated by Peter and John's accounts, respectively?

☑ **a)** 200, 100

☐ **b)** 256, 100

c) 100, 100

d) 100, 200

3) **Select the correct answer with multiple options:**

Which of these are services under Windows Azure Compute?

☑ **a)** Virtual Machines

☑ **b)** Cloud Services

☑ **c)** Web Sites

☐ **d)** Recovery Services

4) **Arrange in correct sequence.**

Arrange the steps to create a table in an SQL Database instance and insert and retrieve data from it:

1. Click aptechdb to select it and then, click Manage at the bottom of the page. This displays the Management Portal for SQL Database, which is different from the Azure Management Portal.
2. Enter the login name and password to login to the aptechdb database.
3. Go to the account home page on the portal.
4. Click New Query in the ribbon. An empty query window is displayed.
5. Write a SELECT statement to retrieve data from the table and execute the statement.
6. Write the code to create a table and click Run at the top of the window to execute the code and retrieve the data.
7. In a new query window, add the code to insert data into the table and click Run to execute the query.

☑ **a)** 3, 1, 2, 4, 6, 7, 5

☐ **b)** 1, 3, 4, 5, 6, 7, 2

☐ **c)** 3, 4, 5, 6, 7, 1, 2

☐ **d)** 2, 1, 3, 4, 5, 6, 7

5) **Select the correct answer with single option:**

Which of these is not a main data service provided by Windows Azure?

☐ **a)** Cache

b) HDInsight

c) Recovery Services

✔ **d)** Replication Services

Category – Difficult

1) **Select the correct answer with single option:**

Which of the following can be used to self-host a Web API service and act as an interface between Web servers and .NET applications?

✔ **a)** OWIN

b) IIS

c) Windows Azure

d) Apache

2) **Select the correct answer with single option:**

Which of the following is the correct code to define a service contract?

a)
```
namespace WcfBankingService
{
[ServiceContract]
public interface IBankService
{
double WithDraw(double amount);
double Deposit(double amount);
double ShowBalance(string accno);
}
}
```

b)
```
namespace WcfBankingService
{
[Service]
public interface IBankService
{
[OperationContract]
double WithDraw(double amount);
[OperationContract]
double Deposit(double amount);
[OperationContract]
double ShowBalance(string accno);
}
}
```

c)
```
namespace WcfBankingService
{
public interface IBankService
{
[OperationContract]
double WithDraw(double amount);
[OperationContract]
double Deposit(double amount);
[OperationContract]
double ShowBalance(string accno);
}
}
```

✔ **d)**
```
namespace WcfBankingService
{
[ServiceContract]
public interface IBankService
{
[OperationContract]
double WithDraw(double amount);
[OperationContract]
double Deposit(double amount);
[OperationContract]
double ShowBalance(string accno);
}
}
```

Select the correct answer with multiple options:

3)

Which of these statements about WCF contracts are valid?

    A. A service contract describes the functionality that is exposed by the service and has an interface decorated with ServiceContract attribute to let WCF know that this interface is a contract.

    B. Methods that are to be exposed to the client can optionally have the OperationContract attribute. Methods that are not decorated with the OperationContract attribute will still be visible as well as accessible to the client.

    C. Data contracts define the data that can be exchanged between the service and the client.

    D. The Fault Contract attribute is used to declare a fault contract in a service to define strongly typed exceptions as SOAP faults.

☑ **a)** A

☐ **b)** B

☑ **c)** C

☑ **d)** D

4) **Select the correct answer with single option:**

Which of the following is the correct code to create a queue with the Service Bus?

☑ **a)**
```
NamespaceManager namespaceManager = new NamespaceManager(uri,
tokenProvider);
namespaceManager.CreateQueue("DataCollectionQueue");
```

☐ **b)**
```
NamespaceManager namespaceManager = new NamespaceManager(uri,
tokenProvider);
namespaceManager.Create("DataCollectionQueue");
```

☐ **c)**
```
NamespaceManager namespaceManager = new NamespaceManager();
namespaceManager.CreateQueue("DataCollectionQueue");
```

☐ **d)**
```
NamespaceManager namespaceManager =
NamespaceManager.CreateQueue("DataCollectionQueue");
```

5) **Fill in the blank with correct option:**

To be able to receive message using a queue in the Service Bus, an application must use the _____ object, which is created from MessagingFactory using _____.

☐ **a)** `MessagingReceiver, CreateMessageReceiver`

☐ **b)** `MessageReceiver, CreateMessage`

☑ **c)** `MessageReceiver, CreateMessageReceiver`

☐ **d)** `MessagingReceiver, CreateMessagingReceiver`