You deploy an application as a cloud service to Azure. The application contains a web role to convert temperatures between Celsius and Fahrenheit. The application does not correctly convert temperatures. You must use Microsoft Visual Studio to determine why the application does not correctly convert temperatures.

You need to debug the source code in Azure.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:
Question 2
Your team uses a proprietary source control product. You use FTP to manually deploy an Azure website. You must move your source code from the proprietary source control product to a secure on-premises Git versioning system. Instead of deploying the website by using FTP, the website must automatically deploy to Azure each time developers check-in source files. You need to implement the new deployment strategy. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

Explanation/Reference:

Question 3
You are developing an Azure cloud service for a company. The cloud service monitors a queue for incoming messages and then processes invoices based on the contents of these messages. Some messages are formatted incorrectly and cause exceptions. There is no time limit for how long the service takes to process an individual message. All messages must be processed at least once by using the ProcessMessage method. Messages must not be processed more than twice by using the ProcessMessage method. Messages that fail normal processing must be processed by using the ProcessPoisonMessage method. You need to configure message processing. How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

Hot Area:
Question 4
You deploy a new version of a cloud-service application to a staging slot. The application consists of one web role. You prepare to swap the new version of the application into the production slot. Your Azure account has access to multiple Azure subscriptions. You load the Azure PowerShell cmdlets into the Windows PowerShell command shell. The command shell is NOT configured for certificate-based authentication.
You must use the Windows PowerShell command window to configure the application.
You need to create five instances of the web role.
How should you configure the relevant Windows PowerShell script? To answer, select the appropriate option or options in the answer area.

Correct Answer:

Answer Area

private bool ProcessNextQueueMessage(CloudQueue cloudQueue)
{
    var msg = cloudQueue.PopMessage();
    if (msg == null) return false;
    if (msg.PopReceipt == null) return false;
    if (msg.Aggregate > 10) return false;
    if (msg.PopReceipt == null) return false;

    if (msg.Aggregate > 10)
    {
        ProcessErrorMessage(msg);
    }
    else
    {
        ProcessMessage(msg);
    }
}

ProcessPollMessage(msg);
else
    ProcessMessage(msg);

cloudQueue.Delete();
cloudQueue.DeleteMessages();
cloudQueue.EndAddMessage();
cloudQueue.DeleteMessages();

return true;

Explanation/Reference:
You have a cloud service that runs an external process named MyStartupTask.cmd. The cloud service runs this external process when the web role starts. The external process writes information to the Windows registry. You set the value of an environment variable named MyID to the deployment ID for the current web role instance. The external process must complete writing the information to the Windows registry before the web role starts to accept web traffic. You need to configure the cloud service.

How should you complete the relevant markup? To answer, select the appropriate option or options in the answer area.

Correct Answer:
Question 6
You plan to deploy an application as a cloud service. The application uses a virtual network to extend your on-premises network into Azure. You need to configure a site-to-site VPN for cross-premises network connections. Which two objects should you configure? Each correct answer presents part of the solution.

A. Dynamic routing gateway
B. VPN gateway
C. External-facing IPv6 address
D. External-facing IPv4 address

Correct Answer: BD
Explanation/Reference:

Question 7
You have a WebJob object that runs as part of an Azure website. The WebJob object uses features from the Azure SDK for .NET. You use a well-formed but invalid storage key to create the storage account that you pass into the UploadDataToAzureStorage method. The WebJob object contains the following code segment. Line numbers are included for reference only.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Hot Area:

Correct Answer:

Explanation/Reference:
Question 8
You create a web application. You publish the source code of the web application to a GitHub repository by using Microsoft Visual Studio. You create a website by using the Azure management portal.
You must continuously deploy the web application from the GitHub repository website to the Azure website.
You need to deploy the source code of the web application.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

<table>
<thead>
<tr>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select the repository and the branch from which to deploy the Azure website.</td>
</tr>
<tr>
<td>Select GitHub as the source control method.</td>
</tr>
<tr>
<td>Configure the Azure website to use the Always On option.</td>
</tr>
<tr>
<td>In the Azure management portal, configure web endpoint monitoring.</td>
</tr>
<tr>
<td>In the Azure management portal, choose the option to set up deployment from source control.</td>
</tr>
<tr>
<td>Sign in to GitHub by using your deployment credentials.</td>
</tr>
</tbody>
</table>

Correct Answer:

<table>
<thead>
<tr>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>In the Azure management portal, choose the option to set up deployment from source control.</td>
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</tr>
<tr>
<td>Sign in to GitHub by using your deployment credentials.</td>
</tr>
<tr>
<td>Select the repository and the branch from which to deploy the Azure website.</td>
</tr>
</tbody>
</table>

Explanation/Reference:

Question 9
A company creates an API and makes it accessible on an Azure website. External partners use the API occasionally. The website uses the Standard web hosting plan.
Partners report that the first API call in a sequence of API calls occasionally takes longer than expected to run. Subsequent API calls consistently perform as expected.
You need to ensure that all API calls perform consistently.
What should you do?

A. Configure the website to use the Basic web hosting plan.
B. Enable Always On support.
C. Configure the website to automatically scale.
D. Add a trigger to the web.config file for the website that causes the website to recycle periodically.

Correct Answer: B
Explanation/Reference:
Question 10
A company creates an Azure worker role to manage products. The number of customers who inquire about how many products are in inventory rapidly increases. You need to ensure that the worker role can scale to accommodate the increased workload. How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

Correct Answer:

Question 11
You connect to an existing service over the network by using HTTP. The service listens on HTTP port 80. You plan to create a test environment for this existing service by using an Azure virtual machine (VM) that runs Windows Server. The service must be accessible from the public Internet over HTTP port 8080. You need to configure the test environment. Which two actions should you take? Each correct answer presents part of the solution.

A. Configure an endpoint to route traffic from port 8080 to port 80.
B. Configure an endpoint to route traffic from port 80 to port 8080.
C. Ensure that the public IP address is configured as a static IP address.
D. Configure the Windows Server firewall to allow incoming and outgoing traffic on port 8080.
E. Configure the Windows Server firewall to allow incoming and outgoing traffic on port 80.

Correct Answer: AE

Question 12
You are developing a messaging solution for a financial services company named Adatum. The solution must integrate an application named Enrollment and an application named Activation. The Enrollment application is used to enroll new customers. The Activation application is used to activate accounts for new customers. You need to ensure that each message that the Enrollment application sends is stored in a queue for ten minutes before the Activation application uses the message. How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

Hot Area:
Question 13
An application sends Azure push notifications to a client application that runs on Windows Phone, iOS, and Android devices. Users cannot use the application on some devices. The authentication mechanisms that the application uses are the source of the problem. You need to monitor the number of notifications that failed because of authentication errors. Which three metrics should you monitor? Each correct answer presents part of the solution.

A. Microsoft Push Notification Service (MPNS) authentication errors
B. External notification system errors
C. Apple Push Notification Service (APNS) authentication errors
D. Channel errors
E. Windows Push Notification Services (WNS) authentication errors
F. Google Cloud Messaging (GCM) authentication errors

Correct Answer: ACF

Explanation/Reference:

Question 14
You deploy an application as a cloud service in Azure. The application consists of five instances of a web role. You need to move the web role instances to a different subnet. Which file should you update?
A. Service definition  
B. Diagnostics configuration  
C. Service configuration  
D. Network configuration  

Correct Answer: C  
Explanation/Reference:  

**Question 15**  
You are converting an existing ASP.NET web application to use the Azure Active Directory (AD) Access Control service for authentication. The application will authenticate users by using their Yahoo account credentials. You need to determine the correct payload for each stage of the authentication process.  
What should you do? To answer, drag the appropriate payload format to the correct location on the dialog box. Each payload format may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  

Select and Place:  

Correct Answer:  

Explanation/Reference:  

**Question 16**  
You have an existing server that runs Windows Server. You plan to create a base image of this server. You will use this base image to prepare several virtual servers for future use. After the base image is prepared, you will capture it by using the Azure management portal. You must use the System Preparation Tool (Sysprep) to prepare the server so that the base image can be captured.  
What should you do? To answer, configure the appropriate options in the dialog box in the answer area.
Question 17
Tailspin Toys uses a website to manage its inventory. The website is hosted on Azure. You are writing a Windows Store app that uses data from the blob storage. You need to retrieve an image from the following URI:
https://tailspintoys.blob.core.windows.net/Trains/Caboose2jpg.
How should you complete the relevant code? To answer, select the appropriate code segments in the answer area.

Hot Area:
Question 18
You develop a web application that uses table storage in Azure.
You create a storage account named Contoso that stores a table named CityPopulationData.
The web application stores entities in this table.
You need to query the table data by using OData.
Which URL should you use?
A. http://contoso.table.core.windows.net/citypopulationdata
B. http://contoso.table.core.windows.net/odata/citypopulationdata
C. http://azurestorage.table.core.windows.net/contoso
D. http://microsoft.table.core.windows.net/contoso
E. http://azure.table.core.windows.net/contoso/citypopulationdata
Correct Answer: A

Explanation/Reference:

Question 19
Your company works with trusted partners. These partners upload files into a storage account that you control.
Partners must be able to create, read, and write files. Partners must NOT be allowed to see files from other partners. You generate a shared access signature (SAS) for each partner.
You create the following Windows PowerShell script to create a new container for each partner. Line numbers are included for reference only.
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

**Hot Area**

<table>
<thead>
<tr>
<th>Question 20</th>
</tr>
</thead>
</table>
| A company maintains an Azure storage account. The storage account uses blobs and tables. Customers access the storage account by using shared access signatures (SASs).
| **You need to monitor the usage of the storage services.** You need to do the following:
| . Understand which storage areas perform operations that incur a fee.
| . Understand which requests are denied because of insufficient permissions.
| . Validate that the performance of the storage account meets the service level agreement (SLA) for the Azure Storage service.
| Which three data analysis tasks should you perform? Each correct answer presents part of the solution.
| A. Use data from the logs of the storage services to find individual storage access attempts that do not comply with the SLA.
| B. Use data from the logs of the storage services to calculate aggregate server latency across individual requests. Determine whether the results of this calculation indicate that the Azure Storage service is in compliance with the SLA.
| C. Analyze the logs of the storage services to determine which storage operations were billable because of permissions issues.
| D. Review the Azure documentation to determine which storage operations are billable. Then find records of those operations in the logs of the storage services.
| E. Analyze the logs of the storage services to find records of operations that are marked as billable.
| F. Correlate the data logged from the storage service with the permissions to store data in the individual blobs and containers. Determine which storage services were inaccessible because of permissions issues.
| **Correct Answer:** BCD

**Question 21**

You are creating a set of load-balanced virtual machines (VMs) that are hosted on Azure.
You run the following Windows PowerShell script. Line numbers are included for reference only.

```powershell
01 $containerName = "partner123files"
02 $key = ($Get-AzureStorageKey -StorageAccountName $storageAccountName).Primary
03 $context = "new-AzureStorageContext -StorageAccountName $storageAccountName -StorageAccountKey $key"
04 New-AzureStorageContainer -Name $containerName -Context $context
05 $filepath = "welcome.txt"
06 New-AzureStorageBlob -Container $containerName -File $filepath
07 $sas = New-AzureStorageBlobSAS -Container $containerName -File $filepath
08 $expiration = (Get-Date).AddYears(1)
09 $sasToken = New-AzureStorageContainerSASToken -Name $containerName -Permission "rwdl" -ExpirationTime $expiration
10 $sasBlobURI = New-AzureStorageBlobSASToken -Container $containerName -File $filepath -Permission "r" -ExpirationTime $expiration
11 $fullURI = $sasBlobURI + $sas
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

**Correct Answer:**

- Running the command at line 10 a second time invalidates the previously generated SAS token.
- Web browsers can open the `welcome.txt` file directly by using the full URI and the SAS token for the file.
- If the primary storage key is regenerated, the SAS token is still valid until its expiration date is reached.

**Explanation/Reference:**
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

**Question 22**
You are creating virtual machines (VMs) that are hosted on Azure. You must be able to change the Remote Desktop access settings for the VMs. You must also be able to change the password for the built-in administrator account on all VMs. You identify the VMAccess VM extensions that have the required capabilities.

You need to enable the VMAccess VM extensions.
Which approach should you use?

A. Download and install the Microsoft Installer file to enable the VM Agent on each VM.
B. Use the Azure management portal to restart each VM.
C. When you configure the new VMs, use the Azure management portal to install the VM Agent.
D. For each VM, use Windows PowerShell cmdlets to enable the VM Agent and the VMAccess VM extensions.

Correct Answer: D
Explanation/Reference:

**Question 23**
You use the Windows PowerShell Desired State Configuration (DSC) feature to configure your company’s servers. Line numbers are included for reference only.
Question 24
You are migrating an existing solution to Azure. The solution includes a user interface tier and a database tier. The user interface tier runs on multiple virtual machines (VMs). The user interface tier has a website that uses Node.js. The user interface tier has a background process that uses Python. This background process runs as a scheduled job. The user interface tier is updated frequently. The database tier uses a self-hosted MySQL database.

The user interface tier requires up to 25 CPU cores. You must be able to revert the user interface tier to a previous version if updates to the website cause technical problems. The database requires up to 50 GB of memory. The database must run in a single VM.

You need to deploy the solution to Azure.

What should you do first?

A. Deploy the entire solution to an Azure website. Use a web job that runs continuously to host the database.
B. Deploy the database to a VM that runs Windows Server on the Standard tier.
C. Deploy the entire solution to an Azure website. Run the database by using the Azure data management services.
D. Deploy the user interface tier to a VM. Use multiple availability sets to continuously deploy updates from Microsoft Visual Studio Online.

Correct Answer: C
Explanation/Reference:

Question 25
You store data in an Azure blob. Data accumulates at a rate of 0.10 GB per day.
You must use storage analytics data to verify that the service level agreement (SLA) has been met and to analyze the performance of VHDs, including the pattern of usage.
Analytics data must be deleted when it is older than 100 days or when the total amount of data exceeds 10 GB.
You need to configure storage analytics and access the storage analytics data.
Which two approaches will achieve the goal? Each correct answer presents part of the solution.

A. Disable the data retention policy.
B. Access analytics data by using the Service Management REST API
C. Access analytics data by using the APIs used to read blob and table data.
D. Configure a data retention policy of 100 days.

Correct Answer: CD
Explanation/Reference:

Question 26
You store JSON data in a blob by using the Azure Blob service. Web applications access the JSON data by using client-side JavaScript calls.
JSON data is stored in a container that is configured to allow anonymous access. Web applications that are allowed to make updates to the data have access to any necessary shared access signatures (SASs) and storage keys.
You configure one Cross-Origin Resource Sharing (CORS) rule for the https://fabrikam.com domain and then run the following method. Line numbers are provided for reference only.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
**Question 27**
You develop a web application that will use the Azure Table service. The web application will store entities in the form of XML data within a single table. The web application must support high traffic throughput. You need to avoid exceeding the throttle limit for the table. Which two actions should you take? Each correct answer presents part of the solution.

A. Add additional partition keys to the table.  
B. Batch transactions for entities that are in the same partition group in the table.  
C. Compress the entities before storing them in the table.  
D. Store the entities in JSON format.  

Correct Answer: BD  
Explanation/Reference:

**Question 28**
You are managing an application. The application uses data that is stored in an Azure SQL database. You must be able to reset the application to the state that existed on any day in the previous 35 days. You need to choose a backup solution. What should you do?

A. Run SQL replication on the SQL database once a day.  
B. Use Microsoft Azure SQL Database Point in Time Restore  
C. Use the SQL Server Data-Tier Application Framework to build a data-tier application (DAC) file once a day.  
D. Use the bcp utility to export data to an Azure page blob once a day.  

Correct Answer: B  
Explanation/Reference:

**Question 29**
You host an application on an Azure virtual machine (VM) that uses a data disk. The application performs several input and output operations per second. You need to disable disk caching for the data disk. Which two actions will achieve the goal? Each answer presents a complete solution.

A. Use the Azure Resource Manager REST API  
B. Use the Service Management REST API.  
C. Run the following Windows PowerShell cmdlet: Remove-AzureDataDisk  
D. Run the following Windows PowerShell cmdlet: Set-AzureDataDisk  

Correct Answer: AD  
Explanation/Reference:  

**Question 30**
You are developing a REST API service that provides data about products. The service will be hosted in an Azure virtual machine (VM). The product data must be stored in Azure tables and replicated to multiple geographic locations. API calls that use the HTTP GET operation must continue to function when the data tables at the primary Azure datacenter are not accessible. You need to configure storage for the service. Which type of replication should you choose?

A. Locally Redundant Storage replication  
B. Geo-Redundant Storage replication  
C. Zone-Redundant Storage replication  
D. Read-Access Geo-Redundant Storage replication  

Correct Answer: D  
Explanation/Reference:

**Question 31**
Your company runs existing applications on virtual machines (VMs) that are hosted on Azure. You are preparing additional Azure services to support the existing applications. You run the following script. Line numbers are provided for reference only.
You are developing a messaging solution to integrate two applications named WeatherSummary and WeatherDetails. The WeatherSummary application displays a summary of weather information for major cities. The WeatherDetails application displays weather details for a specific city. You need to ensure that the WeatherDetails application displays the weather details for the city that the user selects in the WeatherSummary application.

What should you do?
A. Create an Azure Service Bus Queue communication. In the WeatherDetails application, implement the PeekLock method.
B. Create an Azure Service Bus Topics object. In the WeatherDetails application, create a filter.
C. Create an Azure Service Bus Relay object. In the WeatherDetails application, create a filter.
D. Create an Azure Service Bus Queue communication. In the WeatherDetails application, implement the ReceiveAndDelete method.

Correct Answer: B
Explanation/Reference:
Ref: http://azure.microsoft.com/en-gb/documentation/articles/storage-monitor-storage-account/

You store data by using table storage in Azure. The storage analytics logs do not contain any data. You must configure the Azure storage account to retain logs for the maximum length of time that Azure permits. In the Azure management portal, what should you do?
A. Set the monitoring level to Minimal, and set the number of days the data in the logs is retained to 0.
B. Set the monitoring level to Verbose, and set the number of days the data in the logs is retained to 365.
C. Set the monitoring level to Minimal, and set the number of days the data in the logs is retained to 99.
D. Set the monitoring level to Verbose, and set the number of days the data in the logs is retained to 30.

Correct Answer: A
Explanation/Reference:
Ref: http://azure.microsoft.com/en-gb/documentation/articles/storage-monitor-storage-account/
Your bill for CDN services is higher than you expect. You need to monitor the application to find issues that increase costs. Which two operations should you monitor? Each correct answer presents part of the solution.

A. The Time-To-Live (TTL) of the blobs.
B. The country of origin for the client computer and the CDN region.
C. The number of requests that result in an HTTP status code over 400.
D. The allocated size of page blobs.
E. The expiration date of the blobs.

Correct Answer: BD
Explanation/Reference:

Question 35
You create a software-as-a-service (SaaS) application. Websites, cloud services, and virtual machines (VMs) read common data values from the database for the application. The application does not scale efficiently. All VMs, websites, and cloud services must read from the same data source. You need to design a cache solution for the SaaS application. What should you do?

A. Deploy a cache by using Azure Redis Cache. Access the cache from the websites, cloud services, and VMs.
B. Configure a cache by using ASP.NET. Access the cache from the websites, cloud services, and VMs.
C. Use Azure Redis Cache to deploy one cache for each website, one cache for each cloud service, and one cache for each VM. Configure each cache to ensure that data is consistent in all the cache instances.
D. Deploy a cache by using Azure Redis Cache. Configure the cache to use database connection strings.

Correct Answer: A
Explanation/Reference:

Question 36
You are modifying a web application so that it uses Azure Active Directory to manage users. You create a security group named Users and a security group named Administrators. The Administrators security group is a member of the Users security group. You create the following code segment. Line numbers are included for reference only.

```javascript
01 function canAccessUserResources(userId) {
02     
03 function getGroupId(groupName) {
04     
05         
06 function domain() {
07     
08         
09     }
```

You need to implement the `canAccessUserResources` function. Which code segment should you insert at line 02?

A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: C
Explanation/Reference:
Question 37
You maintain an application that is used by local food delivery companies. When a customer requests a delivery, the application sends a message to all of the delivery companies. One company accepts the request and fulfills the order. The application currently supports orders of 100 products or fewer. Some of the delivery companies can now deliver large orders that contain up to 500 products.
You must modify the application so that it supports both small orders and large orders. Messages about large orders should be sent to only delivery companies that can fulfill them. Messages about small orders should be sent to all delivery companies.
Which service should you use?
A. Azure Service Bus Queue
B. Azure Service Bus Relay
C. Azure Service Bus Topics
D. Azure Service Bus Namespace
Correct Answer: C
Explanation/Reference:

Question 38
You are developing a web application that uses Azure push notifications to interact with users. You need to send a text notification to users to alert them that the application is ready to test. How should you complete the relevant code? To answer, drag the appropriate code segment to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
Select and Place:

Correct Answer:

Explanation/Reference:

Question 39
You create a cache for a project by using Azure Redis Cache. You are writing test code that verifies that the cache is available.
You need to ensure that data can be saved to the cache and retrieved from the cache. How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

Hot Area:
Question 40
You are developing a web application that integrates with Azure Active Directory (AD). The application uses the OAuth 2.0 protocol to authorize secure connections to a web service that is at https://service.adatum.com. The application must request an access token to invoke the web service methods. You need to submit an HTTP request to the Azure AD endpoint. How should you complete the request? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:
Question 41
A company plans to increase its virtual network capacity by adding virtual network subscriptions. You must increase the number of subscriptions from 3 to 15. You need to configure the virtual networks. What should you do?

A. Export and modify the network configuration file. Then import the modified file.
B. Export and modify the service definition file. Then import the modified file.
C. Create and import a new network configuration file.
D. Create a multi-site virtual network.

Correct Answer: A

Question 42
You deploy a stateless ASP.NET application to an Azure website. You scale out the application by adding website instances. Only newly signed in users are routed to the recently added website instances. Users must be evenly distributed among all of the instances. You need to configure the environment to ensure that the load balancer evenly distributes requests. What should you do?

Explanation/Reference:
**Question 43**
You plan to migrate a website named Contoso from one hosting plan to another hosting plan. The website is currently in a hosting plan named webhostingplan1. You create a resource group named ContosoGroup.

You create the following PowerShell script by using the Azure PowerShell tools. Line numbers are included for reference only.

```
01 $webhostingplan1 = @("serverFarm" = "webhostingplan1")
02 Set-AzureResource -name Contoso -ResourceGroupName ContosoGroup -ResourceType Microsoft.Web/sites -apiversion 2014-04-01 -PropertyObject $webhostingplan1
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

**Hot Area:**

**Answer Area**

<table>
<thead>
<tr>
<th>Statement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>The command in line 01 defines a variable that stores a hash table.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The command in line 02 assigns the website to the ContosoGroup resource group.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The command in line 02 assigns the website to a hosting plan named webhostingplan2.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Correct Answer:**

**Answer Area**

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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

---

**Question 44**

You use the storage client library to develop an application that manages Azure table storage data.
The application reports error codes when it saves data. You must use a custom retry policy to handle the error codes.
The custom retry policy must meet the following requirements:
. Retry when a conflict error code is encountered.
. Retry when a storage exception is encountered.
. Retry until the maximum number of retry attempts is reached.

You create the following code segment. Line numbers are included for reference only.
You need to insert code at line 14 to implement the retry policy.

How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

Correct Answer:
Question 45
You deploy a website to Azure. When the website starts, it loads and caches common data. Updates to the website must occur without downtime or performance degradation that is noticeable to users. You need to upgrade to a new version of website code. What should you do?

A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: B

Question 46
You need to insert code at line SB17 to create the hyperlink that customers use to upload additional necessary documents. How should you complete the relevant code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
Select and Place:

Correct Answer:

Explanation/Reference:

Question 47
You need to insert markup at line SD06 to cache the client documents.
How should you complete the relevant markup? To answer, select the appropriate option or options in the answer area.

Hot Area:

Correct Answer:
You develop a service that runs on a worker role in Azure. The service caches a large amount of data from a database at startup. The service has a configuration file that includes two settings named ConnectionString and SleepInterval.

The service must restart when the value of the ConnectionString setting changes. The service must NOT restart when the value of the SleepInterval setting changes.

You have the following code. Line numbers are for reference only.

```csharp
public class WorkerRole : RoleEntryPoint
{
    int _sleepInterval = 10000;
    string _connString = "Server=tcp:contoso.database.windows.net;Database=DB1; UserId=sa@contoso;Password=pass123; Trusted_Connection=True;Encrypt=True;";
    public override void Run()
    {
        CacheTableData(_connString);
        while (true)
        {
            Thread.Sleep(10000);
            ProcessQueueMessages();
        }
    }
    public override bool OnStart()
    {
        return base.OnStart();
    }
    void RoleEnvironment.Changing(object sender, RoleEnvironmentChangingEventArgs e)
    {
    }
}
```

You need to configure the service.

Which code segment should you insert at line 21?

- Option A
- Option B
- Option C
- Option D
Correct Answer: A
Explanation/Reference:

Question 49
You have an ASP.NET application that runs in a cloud service. A new version of the application is ready for release. The new version contains code changes and new SSL certificates. The application consists of six instances of a web role and four instances of a worker role. The application performs at or near full capacity. The cloud service uses the default number of fault domains and upgrade domains. You plan to deploy the new version of the application. The performance and capacity of the web roles must not degrade during the deployment. Temporary degradation of the worker roles is acceptable. The deployment must take a maximum of six hours. You need to deploy the new version of the ASP.NET application to the cloud service. Which two approaches will achieve the goal? Each correct answer presents a complete solution.
A. Increase the number of web role instances to eight, and then deploy the new version of the application by using an in-place update. Reduce the number of web role instances to six after the upgrade is completed.
B. Deploy the new version of the application by using an in-place update. Use upgrade domains to ensure that there is sufficient capacity during the upgrade.
C. Deploy the new version of the application into the staging slot for the cloud service. Then activate the new version of the application by swapping virtual IP (VIP) addresses.
D. Delete the old version of the application, and deploy the new version of the application.
Correct Answer: BC
Explanation/Reference:

Question 50
The Azure Queue service hosts a queue named userRegistrationQueue. You are developing a web job to process messages from the queue. You create a new console application by using Microsoft Visual Studio. You also create an Azure storage connection string and store the connection string in the application configuration file. All trigger listeners and jobs must run on the current thread. You need to ensure that the web job processes the messages from the queue. How should you complete the relevant code? To answer, drag the appropriate code segments to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
Select and Place:
Correct Answer:
Explanation/Reference:

Question 51
You create a new web application by using a single Azure website deployment. The deployment uses the shared web hosting plan. User activity varies significantly and unpredictably. The application must automatically scale to a maximum of eight virtual machines based on CPU utilization. You need to configure the environment. In the Azure management portal, which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
Question 52
You have a website that is hosted on Azure. You connect to the site by using the URI http://www.contoso.com. You plan to publish a new version of the website.

You need to acquire the publishing profile for the website.
Which two actions will achieve the goal? Each correct answer presents a complete solution.

A. Run the following Windows PowerShell cmdlet: Get-AzurePublishSettingsFile
B. Run the following Windows PowerShell cmdlet: Get-AzureSubscription
C. Navigate to the following URI: https://www.contoso.com/download/publishprofile.aspx
D. Navigate to the following URI: https://windows.azure.com/download/publishprofile.aspx

Correct Answer: AD

Explanation/Reference:

Question 53
You need to debug the Azure solution.
Which tool should you use?

A. Compute emulator
B. Remote debugging
C. Emulator Express
D. IntelliTrace
E. Profiling

Correct Answer: C
Explanation/Reference:

Question 54
You need to develop the web role.
How should you complete the relevant code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:
You need to meet the high availability and business continuity requirements. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
Question 56
You need to configure role instances.
Which size should you specify for the VM?

A. Use Small for Off-Peak mode.
B. Use Large for On-Peak mode.
C. Use Extra Large for On-Peak mode.
D. Use Extra Small for Off-Peak mode.

Correct Answer: B
Explanation/Reference:

Question 57
You need to meet the performance and scalability requirements.
Which SQL Database configuration should you use?

A. Use the S1 performance level for On-Peak mode.
B. Use the P2 performance level for On-Peak mode.
C. Use the S2 performance level for On-Peak mode.
D. Use the P1 performance level for On-Peak mode.

Correct Answer: D
Question 58
You need to insert markup at line 5822 to install the software that generates PDF documents.
How should you complete the relevant markup? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Correct Answer:

Explanation/Reference:

Question 59
You need to insert code at line 5811 to apply the storage access policy.
How should you complete the relevant code segment? To answer, select the appropriate option or options in the answer area.

Hot Area:
Question 60
You need to choose an Azure storage service solution. Which solution should you choose?

A. Queue storage
B. Blob storage
C. File storage
You need to create the VM to replace the on-premises server.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

Explanation/Reference:

You need to secure the website.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
Question 63
You need to deploy the FileProcessor.exe program. How should you update the project configuration file for the program? To answer, select the appropriate option or options in the answer area.

Hot Area:

Correct Answer:
Question 64
You need to configure diagnostics for the Azure solution.
Which two types of diagnostic data should you collect? Each correct answer presents part of the solution.

A. Application logs
B. Event logs
C. Crash dumps
D. Infrastructure logs
E. IIS logs
F. Performance counters

Correct Answer: BC
Explanation/Reference:

Question 65
You need to configure the virtual network.
What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

A. Configure a point-to-site virtual network.
B. Configure a site-to-site virtual network.
C. Configure a multi-site virtual network.
D. Configure a cloud-only virtual network.

Correct Answer: AB
Explanation/Reference:

Question 66
You need to implement the web application deployment workflow.
In the Azure management portal, what should you do?

A. Set the web hosting plan to Shared. Increase the instance count to 2. Publish the incremental updates to the new instance.
B. Set the web hosting plan to Standard. Use Windows PowerShell to create a new deployment slot to publish the incremental updates. Swap the deployment slot after the business users have validated the updates.
C. Set the web hosting plan to Standard. Create a new website to host the updated web application. Create a Windows PowerShell script to move the contents of the new website to the production website location after the business users have validated the updates.
D. Download the publish profile. Use Visual Studio to import the publish profile. Deploy the web application by using the Visual Studio Publish Web wizard after the business users have validated the updates.

Correct Answer: B
Explanation/Reference:

Question 67
You need to configure session affinity for the website.
Which two actions will achieve the goal? Each correct answer presents a complete solution.
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: BD
Explanation/Reference:

**Question 68**
You need to complete the domain configuration for the website. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a CNAME resource record that points from the custom domain to: <code>&lt;website-name&gt;.azurewebsites.net</code></td>
<td></td>
</tr>
<tr>
<td>In the Azure management portal, create a new virtual network.</td>
<td></td>
</tr>
<tr>
<td>Point the DNS root domain record IP address to the website.</td>
<td></td>
</tr>
<tr>
<td>In the Azure management portal, configure the website to use the custom domain.</td>
<td></td>
</tr>
<tr>
<td>On the Azure dashboard page for websites, obtain the IP address.</td>
<td></td>
</tr>
</tbody>
</table>

Correct Answer:
**Question 69**
You need to debug the website remotely. Which three actions should you take? Each correct answer presents part of the solution.

A. In the Azure management portal, configure a monitoring endpoint.
B. In the Azure management portal, set remote debugging to On and set the Visual Studio version to 2013.
C. Install the Azure SDK for .NET on the computer that runs Visual Studio.
D. In the web.config file for the website, set the debug attribute of the compilation element to True.
E. In the Azure management portal, set the web hosting plan to Standard.

Correct Answer: BCD

**Explanation/Reference:**

---

### Question 70
You need to move the VM. What should you do?

A. Use the Blob Service REST API
B. Use the Service Management REST API
C. Run the Azure PowerShell Convert-VHD cmdlet.
D. Run the Azure PowerShell New-AzureVM cmdlet

Correct Answer: A

**Explanation/Reference:**

---

### Question 71
You need to implement tracing for the website after the website is deployed. Which code segment should you insert at line CF13?

- **Option A**
- **Option B**
- **Option C**
- **Option D**

Correct Answer: C

**Explanation/Reference:**
**Question 72**
Contoso, Ltd. reports that hackers have compromised a computer on its network.
You need to prevent access to the site from all Contoso, Ltd. computers.
How should you complete the relevant Windows PowerShell script? To answer, drag the appropriate Windows PowerShell segment to the correct location. Each Windows PowerShell segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

**Correct Answer:**

---

**Question 73**
You need to implement endpoint monitoring.
What should you do? To answer, configure the appropriate options in the dialog box in the answer area.

Hot Area:
Question 74
You create a VM named cVM_005 for a newly hired contractor. The contractor reports that the VM runs out of memory when the contractor attempts to test the mobile applications. You need to double the memory that is available for the VM.
Which Windows PowerShell command should you use?

A. Option A
B. Option B
C. Option C
D. Option D
Question 75
Users report that after periods of inactivity the website is slow to render pages and to process sign-in attempts. You need to ensure that the website is always responsive. What should you do?

A. Add the following markup at line WC14:
B. Add the following markup at line WC08:
C. Add the following markup at line WC14:
D. In the Azure management portal, enable Always On support for the website.
E. In the Azure management portal, disable Always On support for the website.

Correct Answer: A
Explanation/Reference:

Question 76
You configure alerts in Azure. The metrics shown in the following exhibit represent the average values for each five-minute period. To answer, make the appropriate selections in the answer area.

Correct Answer:
Explanation/Reference:

Question 77
You need to implement the worker role to support the real-time continuous data-collection service. How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.
Question 78
You need to implement data storage for patient information. What should you do?
A. Use the Update Entity operation of the Table Service REST API.
B. Use the Put Blob operation of the Blob Service REST API.
C. Use the Put Message operation of the Create Queue REST API.
D. Use the Set Share Metadata operation of the File Service REST API.

Correct Answer: A

Question 79
You need to implement the Work action on the TeacherController object. How should you complete the relevant code? To answer, select the appropriate options in the answer area.
Question 80
You need to configure a VM for a new contractor.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
### Question 81
You run the following Windows PowerShell script. Line numbers are included for reference only.

```powershell
01 Get-AzureSubscription -SubscriptionName ContosoPt1
02 Switch-AzureSubscription -Name ContosoPt1_2
03 Remove-AzureCertificate -ServiceName ContosoPt1_2 -Slot staging
04 Get-AzureDeployment -ServiceName ContosoPt1_2 -Slot Production | Get-AzureDNS
05 $MyAzureCert = Get-AzureCertificate -ServiceName ContosoPt1 | Remove-AzureCertificate
```
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

#### Hot Area

<table>
<thead>
<tr>
<th>Answer Area</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>After you run this script, a new certificate will be applied to the web site.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>After you run this script, you must update the custom domain names.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>After you run this script, you must recreate the staging slot.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Correct Answer:
**Question 82**
The website does not receive alerts quickly enough. You need to resolve the issue. What should you do?
A. Enable automatic scaling for the website.
B. Manually increase the instance count for the worker role.
C. Increase the amount of swap memory for the VM instance.
D. Set the monitoring level to Verbose for the worker role.
E. Enable automatic scaling for the worker role.

Correct Answer: B

**Explanation/Reference:**

**Question 83**
You update the portion of the website that contains biographical information about students. You need to provide data for testing the updates to the website. Which approach should you use?
A. Use SQL Server data synchronization.
B. Use the Active Geo-Replication feature of Azure SQL Database.
C. Use SQL Replication.
D. Use the Geo-Replication feature of Azure Storage.

Correct Answer: A

**Explanation/Reference:**

**Question 84**
You need to configure scaling for the plagiarism detection service. What should you do? To answer, select the appropriate values in the dialog box in the answer area.

**Answer Area:**

<table>
<thead>
<tr>
<th>SCALE BY METRIC</th>
<th>NAME</th>
<th>CPU</th>
<th>QUEUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTANCE RANGE</td>
<td>1 (CORE, RAM, MEMORY)</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>QUEUE NAME</td>
<td>checked</td>
<td>input</td>
<td>ready</td>
</tr>
<tr>
<td>TARGET PER MACHINE</td>
<td>100</td>
<td>200</td>
<td>300</td>
</tr>
</tbody>
</table>

Correct Answer:
Question 85
You need to find all existing works about World History that are overdue and are stored in the repository. How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

Hot Area:

Correct Answer:

Question 86
You need to insert code at line WR16 to implement the GetWork method. How should you complete the relevant code? To answer, drag the appropriate code segment to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:
**Question 87**

The Compute method in the PlagiarismCalculation class takes a significant amount of time to load existing works from blob storage. To improve performance, the service must load existing works from the cache. You need to modify the Compute method in the class PlagiarismCalculation. How should you modify the method? To answer, select the appropriate option or options in the answer area.

**Hot Area:**

```javascript
Answer Area

```
Question 88
You are deploying the web-based solution in the West Europe region. You need to copy the repository of existing works that the plagiarism detection service uses. You must achieve this goal by using the least amount of time.

What should you do?

A. Copy the files from the source file share to a local hard disk. Ship the hard disk to the West Europe data center by using the Azure Import/Export service.
B. Create an Azure virtual network to connect to the West Europe region. Then use Robocopy to copy the files from the current region to the West Europe region.
C. Provide access to the blobs by using the Microsoft Azure Content Delivery Network (CDN). Modify the plagiarism detection service so that the files from the repository are loaded from the CDN.
D. Use the Asynchronous Blob Copy API to copy the blobs from the source storage account to a storage account in the West Europe region.

Correct Answer: D
Explanation/Reference:
Ref: http://blogs.msdn.com/b/windowsazurestorage/archive/2012/06/12/introducing-asynchronous-cross-account-copy-blob.aspx

Question 89
You need to configure storage for the solution.

What should you do? To answer, drag the appropriate XML segments to the correct locations. Each XML segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Correct Answer:
Explanation/Reference: