Azure Assessment - BC102

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Your score: 90%   22.6 / 25

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1. When you are implementing a Software As A Service (SAAS) solution, you are
    responsible for _____

    1 / 1 point

    Your Answer: ✔ **Correct**

    ○ configuring high availability

    ○ defining scalability rules

    ○ installing the SaaS Solution

    ✔ ◉ configuring the SaaS Solution

2. _____provide a common platform for deploying objects to a
    cloud infrastructure and for implementing consistency across the Azure environment

    1 / 1 point

    Your Answer: ✔ **Correct**

    ○ Azure Policies

    ○ Resource groups

    ✔ ◉ Azure Resource Manager templates

    ○ Management groups

3. A support engineer plans to perform several Azure management tasks by using the
    Azure CLI.

    1 / 1 point

    You install the CLI on a computer

    You need to tell the support engineer which tools to use to run the CLI.

    Which tool(s) should you instruct the support engineer to use? (Choose any two options)

    Your Answer: ✔ **Correct**

    ✔ ☑ Command Prompt

✖ ☐Azure Resource Explorer

✔ ☑Windows PowerShell

✖ ☐Windows Defender Firewall

✖ ☐Network and Sharing Center

4. Which Azure service provides a set of version control tools to manage code?   1 / 1 point

Your Answer: ✔ **Correct**

✔ ◉Azure repos

◯Azure DevTest Labs

◯Azure Storage

◯Azure Cosmos DB

5. You plan to deploy a website to Azure. The website will be accessed by users   1 / 1 point
worldwide and will host large video files.

You need to recommend which Azure feature must be used to provide the best video playback
experience.

What should you recommend?

Your Answer: ✔ **Correct**

◯an application gateway

◯an Azure ExpressRoute circuit

✔ ◉a content delivery network (CDN)

◯an Azure Traffic Manager profile

6. Your company plans to deploy several million sensors that will upload data to Azure.   0.6 / 1 point

You need to identify which Azure resources must be created to support the planned solution.

Which Azure resource(s) should you identify? (Choose any two options)

Your Answer: ✔ **Partially correct**

✔ ☐ Azure Data Lake

✘ ☑ Azure Queue Storage

✘ ☐ Azure File Storage

✔ ☑ Azure IOT Hub

✘ ☐ Azure Notification Hub

7. Azure Advisor can generate a list of Azure virtual machines that are protected by Azure Backup

1 / 1 point

Your Answer: ✔ **Correct**

○ True

✔ ◉ False

8. You have an Azure environment that contains 10 virtual networks and 100 virtual machines. You need to limit the amount of inbound traffic to all the Azure virtual networks.

1 / 1 point

What should you create?

Your Answer: ✔ **Correct**

○ one application security group (ASG)

○ 10 virtual network gateways

○ 10 Azure ExpressRoute circuits

✔ ◉ one Azure Firewall

9. DevOps is an extension of

1 / 1 point

Your Answer: ✔ **Correct**

○ Quality Assurance

✔ ◉ Agile

○ Waterfall

○ None Of These

10. After you create virtual machine, you need to modify the   1 / 1 point
_____ to allow connection to TCP port 8080 on the virtual
machine

> ### Your Answer: ✔ Correct

✔ ◉ network security group (NSG)

○ virtual network gateway

○ virtual network

○ route table

11. Your Azure environment contains multiple Azure virtual machines.   1 / 1 point

You need to ensure that a virtual machine named VM1, is scalable from the internet over
HTTP.

Solution : You modify a network security group (NSG)

Does this meet your goal?

> ### Your Answer: ✔ Correct

✔ ◉ True

○ False

12. Azure Security center can monitor Azure resources and on-premises resources.   1 / 1 point

> ### Your Answer: ✔ Correct

✔ ◉ True

○ False

13. Which one of the following statements about DevOps is incorrect   1 / 1 point

> ### Your Answer: ✔ Correct

○ DevOps is suitable for greenfield software products and services

○ Some of the most exemplary DevOps initiatives started in companies with giant and mature
   IT organizations

✔ ◉ DevOps is only suitable for startup companies

○ DevOps is suitable for brownfield software products and services

14. Which of the following hosting relies on companies to underutilize the resources   1 / 1 point
meant to be used by its clients or customers?

Your Answer: ✔ **Correct**

○ Cloud Services

○ VPS Hosting

○ Dedicated Hosting

✔ ◉ Shared Hosting

15. In Azure, you can associate network security group (NSG) to a virtual network subnet.   1 / 1 point

Your Answer: ✔ **Correct**

✔ ◉ True

○ False

16. How does Docker differ from traditional virtualization?   0 / 1 point

Your Answer: ✖ **Incorrect**

○ Docker uses hardware-level virtualization

✔ ○ Docker uses software-level virtualization

✖ ◉ Docker provides full isolation of the underlying system

○ Docker provides less isolation of the underlying system

17. What is the difference between a Docker container and a Docker service?   1 / 1 point

Your Answer: ✔ **Correct**

✔ ⦿ A container is a running instance of an image, while a service is a set of containers that perform a specific task.

◯ A container is a virtualized environment for running an application, while a service is a tool for managing Docker images.

◯ A container is a lightweight and efficient way to package and run an application, while a service is a more complex tool for deploying and managing applications.

◯ A container and a service are the same thing.

18. What is the difference between a Docker container and a virtual machine?   1 / 1 point

Your Answer: ✔ **Correct**

◯ A Docker container shares the host operating system kernel, while a virtual machine has its own kernel.

◯ A Docker container is smaller and faster than a virtual machine.

◯ A Docker container uses less resources than a virtual machine.

✔ ⦿ All Of The Above

19. What is the difference between a Docker image and a Docker container?   1 / 1 point

Your Answer: ✔ **Correct**

✔ ⦿ A Docker image is a blueprint for a container, while a container is a running instance of an image.

◯ A Docker image is smaller than a container.

◯ A Docker image is faster than a container.

◯ A Docker image is used for temporary data, while a container is used for persistent data

20. What is the purpose of the EXPOSE instruction in a Dockerfile?   1 / 1 point

Your Answer: ✔ **Correct**

✔ ⦿ To specify the port that a container should listen on

◯ To specify the base image for the Dockerfile

◯ To specify the user that should run the container

○ To specify the working directory for the container

21. What is the benefit for a developer using Docker?   1 / 1 point

Your Answer: ✔ **Correct**

○ Standardization & Productivity

○ CI Efficiency & Rapid Development

○ Compatibility and Maintainability

✔ ◉ All Of These

22. Which are the below cloud platforms that are not used for DevOps?   1 / 1 point

Your Answer: ✔ **Correct**

○ Microsoft Azure

○ AWS (Amazon We Services)

○ GCP (Google Cloud Platform)

✔ ◉ IBM Cloud

23. _____ command is used for stopping a running container gracefully   1 / 1 point

Your Answer: ✔ **Correct**

○ docker start

○ docker kill

○ docker rm

✔ ◉ docker stop

24. You have an Azure Environment.   1 / 1 point

You need to create a new Azure virtual machines from a tablet that runs the Android operating system.

What are the possible solutions? (Choose any three options)

Your Answer: ✔ **Correct**

✔ ☑ Use Bash in Azure Cloud Shell

✔ ☑ Use Powershell in Azure Cloud Shell

✘ ☐ Use the PowerApps portal

✘ ☐ Use the Security & Compliance admin center

✔ ☑ Use Azure Portal

25. A company like Hysteresis Pvt Ltd has 10 department to handle their IT   0 / 1 point
    infrastructure.

    The company plans to implement an Azure environment. You need to ensure that each
    department can use a different payment option for the Azure services it consumes.

    What should you create for each department?

    Your Answer: ✘ **Incorrect**

    ○ a reservation

    ✔ ○ a subscription

    ✘ ◉ a resource group

    ○ a container group