AZ-900 Test 1

* Required

* This form will record your name, please fill your name.

[   ]

1. Your company has datacenters in Los Angeles and New York. The company has a Microsoft Azure subscription.
You are configuring the two datacenters as geo-clustered sites for site resiliency.
You need to recommend an Azure storage redundancy option.
You have the following data storage requirements:
☞ Data must be stored on multiple nodes.
☞ Data must be stored on nodes in separate geographic locations.
☞ Data can be read from the secondary location as well as from the primary location
Which of the following Azure stored redundancy options should you recommend? *
(10 Points)

   ◯ Locally redundant storage

   ◯ Read-only geo-redundant storage

   ⦿ Geo-redundant storage

   ◯ Zone-redundant storage

2. CTU Training Solution's Azure subscription includes a Basic support plan.
 They would like to request an assessment of an Azure environment's design from Microsoft. This is, however, not supported by the existing plan.
 You want to make sure that the company subscribes to a support plan that allows this functionality, while keeping expenses to a minimum.
 Solution: You recommend that the company subscribes to the Professional Direct support plan.
 Does the solution meet the goal? * (10 Points)

   ⦿ Yes

   ◯ No

3. Your company intends to subscribe to an Azure support plan.
   The support plan must allow for new support requests to be opened.
   Which of the following are support plans that will allow this? Answer by dragging the correct
   option from the list to the answer area.
   Select and Place: * (10 Points)

   Please select 4 options.

   ◉ Premier

   ☐ Developer

   ☐ Professional Direct

   ☐ Standard

   ☐ Basic

4. Selemani is tasked with deploying Azure virtual machines for your company.
   You need to make use of the appropriate cloud deployment solution.
   Solution: You should make use of Software as a Service (SaaS).
   Does the solution meet the goal? * (10 Points)

   ○ Yes

   ◉ No

5. Selemani is tasked with deploying Azure virtual machines for your company.
   You need to make use of the appropriate cloud deployment solution.
   Solution: You should make use of Platform as a Service (PaaS).
   Does the solution meet the goal? * (10 Points)

   ◉ Yes

   ○ No

6. Selemani is tasked with deploying Azure virtual machines for your company.
   You need to make use of the appropriate cloud deployment solution.
   Solution: You should make use of Infrastructure as a Service (IaaS).
   Does the solution meet the goal? * (10 Points)

   ○ Yes

   ◉ No

7. Lusukama is planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.
    You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.
    Solution: You plan to make use of several Azure Active Directory (Azure AD) directories.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ⦿ Yes

8. ABSA is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.
    You are required make sure that the intended Azure solution uses the correct expenditure model.
    Solution: You should recommend the use of the elastic expenditure model.
    Does the solution meet the goal? * (10 Points)

    ⦿ Yes

    ◯ No

9. ABSA is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.
    You are required make sure that the intended Azure solution uses the correct expenditure model.
    Solution: You should recommend the use of the scalable expenditure model.
    Does the solution meet the goal? * (10 Points)

    ⦿ No

    ◯ Yes

10. ABSA is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.
    You are required make sure that the intended Azure solution uses the correct expenditure model.
    Solution: You should recommend the use of the operational expenditure model.
    Does the solution meet the goal? * (10 Points)

    ⦿ No

    ◯ Yes

11. Your developers have created 10 web applications that must be host on Azure.
    You need to determine which Azure web tier plan to host the web apps. The web tier plan
    must meet the following requirements:
    ➪ The web apps will use custom domains.
    ➪ The web apps each require 10 GB of storage.
    ➪ The web apps must each run in dedicated compute instances.
    ➪ Load balancing between instances must be included.
    ➪ Costs must be minimized.
    Which web tier plan should you use? * (10 Points)

    ○ Free

    ○ Shared

    ⦿ Basic

    ○ Standard

12. Your developers have created a portal web app for users in the Miami branch office. The web
    app will be publicly accessible and used by the Miami users to retrieve customer and product
    information. The web app is currently running in an on-premises test environment.
    You plan to host the web app on Azure.
    You need to determine which Azure web tier plan to host the web app. The web tier plan
    must meet the following requirements:
    ➪ The website will use the miami.weyland.com URL.
    ➪ The website will be deployed to two instances.
    ➪ SSL support must be included.
    ➪ The website requires 12 GB of storage.
    ➪ Costs must be minimized.
    Which web tier plan should you use? * (10 Points)

    ○ Shared

    ○ Basic

    ⦿ Starndard

    ○ Free

13. Lusukama is required to deploy an Artificial Intelligence (AI) solution in Azure.
    He wants to make sure that he is able to build, test, and deploy predictive analytics for the
    solution.
    Solution: He should make use of Azure Cosmos DB.
    Does the solution meet the goal? * (10 Points)

    ○ No

    ⦿ Yes

14. Lusukama is required to deploy an Artificial Intelligence (AI) solution in Azure.
    He wants to make sure that he is able to build, test, and deploy predictive analytics for the solution.
    Solution: He should make use of Azure Machine Learning Studio.
    Does the solution meet the goal? * (10 Points)

    ○ Yes

    ● No

15. Vodacom's Active Directory forest includes thousands of user accounts.
    You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.
    You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.
    Solution: You plan to sync all the Active Directory user accounts to Azure Active Directory (Azure AD).
    Does the solution meet the goal? * (10 Points)

    ○ No

    ◉ Yes

16. Vodacom's Active Directory forest includes thousands of user accounts.
    You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.
    You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.
    Solution: You plan to require Azure Multi-Factor Authentication (MFA).
    Does the solution meet the goal? * (10 Points)

    ◉ Yes

    ○ No

17. Vodacom's Active Directory forest includes thousands of user accounts.
    You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.
    You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.
    Solution: You plan to require Azure Multi-Factor Authentication (MFA).
    Does the solution meet the goal? * (10 Points)

    ○ Yes

    ◉ No

18. MTN's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.
    The resources required by each business unit are identical.
    You are required to sanction a strategy to create Azure resources automatically.
    Solution: You recommend that the Azure API Management service be included in the strategy.
    Does the solution meet the goal? * (10 Points)

    ⦿ Yes

    ◯ No

19. MTN's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.
    The resources required by each business unit are identical.
    You are required to sanction a strategy to create Azure resources automatically.
    Solution: You recommend that management groups be included in the strategy.
    Does the solution meet the goal? * (10 Points)

    ⦿ Yes

    ◯ No

20. MTN's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.
    The resources required by each business unit are identical.
    You are required to sanction a strategy to create Azure resources automatically.
    Solution: You recommend that the Azure Resource Manager templates be included in the strategy.
    Does the solution meet the goal? * (10 Points)

    ◯ Yes

    ⦿ No

21. You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.
    You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
    Solution: You include two virtual machines and one availability zone in your strategy.
    Does the solution meet the goal? * (10 Points)

    ⦿ No

    ◯ Yes

22. You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.
    You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
    Solution: You include one virtual machine and two availability zones in your strategy.
    Does the solution meet the goal? * (10 Points)

    ○ No

    ◉ Yes

23. You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.
    You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
    Solution: You include two virtual machines and two availability zones in your strategy.
    Does the solution meet the goal? * (10 Points)

    ○ Yes

    ◉ No

24. You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.
    You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
    Solution: You include two virtual machines and one availability zone in your strategy.
    Does the solution meet the goal? * (10 Points)

    ○ No

    ◉ Yes

25. You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.
    You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
    Solution: You include one virtual machine and two availability zones in your strategy.
    Does the solution meet the goal? * (10 Points)

    ◉ No

    ○ Yes

26. You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.
    You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
    Solution: You include two virtual machines and two availability zones in your strategy.
    Does the solution meet the goal? * (10 Points)

    ◉ No

    ◯ Yes

27. **Baruch Life Meat'**s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.
    You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.
    Solution: You recommend the use of Microsoft Managed Desktop.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ◉ Yes

28. **Baruch Life Meat'**s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.
    You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.
    Solution: You recommend the use of Azure Reserved Virtual Machines (VM) Instances.
    Does the solution meet the goal? * (10 Points)

    ● Yes

    ◯ No

29. **Baruch Life Meat'**s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.
    You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.
    Solution: You recommend the use of Azure DevTest Labs.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ◉ Yes

30. FNB has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.
    You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.
    Solution: You configure the use of Azure AD Identity Protection.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ⦿ Yes

31. FNB has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.
    You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.
    Solution: You configure the use of Azure AD Privileged Identity Management.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ⦿ Yes

32. FNB has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.
    You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.
    Solution: You configure the use of Azure AD Identity Protection.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ⦿ Yes

33. FNB has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.
    You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.
    Solution: You configure the use of Azure AD Privileged Identity Management.
    Does the solution meet the goal? * (10 Points)

    ◯ Yes

    ⦿ No

34. You are planning a strategy to deploy numerous web servers and database servers to Azure.
    This strategy should allow for connection types between the web servers and database
    servers to be controlled.
    Solution: You include network security groups (NSGs) in your strategy.
    Does the solution meet the goal? * (10 Points)

    ◯ No

    ⦿ Yes

35. You are planning a strategy to deploy numerous web servers and database servers to Azure.
    This strategy should allow for connection types between the web servers and database
    servers to be controlled.
    Solution: You include a local network gateway in your strategy.
    Does the solution meet the goal? A. Yes B. No * (10 Points)

    ⦿ No

    ◯ Yes

36. You have been informed by your superiors of the company's intentions to automate server
    deployment to Azure. There is, however, some concern that administrative credentials could
    be uncovered during this process.
    You are required to make sure that during the deployment, the administrative credentials are
    encrypted using a suitable Azure solution.
    Solution: You recommend the use of Azure Information Protection.
    Does the solution meet the goal? * (10 Points)

    ⦿ Yes

    ◯ No

37. You have been informed by your superiors of the company's intentions to automate server
    deployment to Azure. There is, however, some concern that administrative credentials could
    be uncovered during this process.
    You are required to make sure that during the deployment, the administrative credentials are
    encrypted using a suitable Azure solution.
    Solution: You recommend the use of Azure Multi-Factor Authentication (MFA).
    Does the solution meet the goal? * (10 Points)

    ⦿ Yes

    ◯ No

38. Home Affairs plans to migrate all its data and resources to Azure.
    Home Affair's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure.
    You need to deploy an Azure environment that meets the company migration plan.
    Solution: You create an Azure App Service and Azure SQL databases.
    Does this meet the goal? * (10 Points)

    ○ Yes

    ⊙ No

39. Home Affairs plans to migrate all its data and resources to Azure.
    Home Affairs migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure.
    You need to deploy an Azure environment that meets the company migration plan.
    Solution: You create an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.
    Does this meet the goal? A. Yes B. No * (10 Points)

    ○ Yes

    ● No

40. Home Affairs plans to migrate all its data and resources to Azure.
    Home Affairs migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure.
    You need to deploy an Azure environment that meets the company migration plan.
    Solution: You create an Azure App Service and Azure Storage accounts.
    Does this meet the goal? * (10 Points)

    ⊙ No

    ○ Yes

41. Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1.
    The company has users that work remotely. The remote workers require access to the VMs on VNet1.
    You need to provide access for the remote workers.
    What should you do? * (10 Points)

    ⊙ Configure a Site-to-Site (S2S) VPN.

    ○ Configure a Multi-Site VPN

    ○ Configure a VNet-toVNet VPN.

    ○ Configure DirectAccess on a Windows Server 2012 server VM.

    ○ Configure a Point-to-Site (P2S) VPN.

42. The company would like to develop a cloud solution by making use of Azure Government.
Azure Government can only be used by certain types of clients to develop cloud solutions.
 Which of the following are the types of customers that can make use of Azure Government
in this situation? * (10 Points)

Please select 2 options.

- ⦿ A government entity from any country

- ☐ A European government entity

- ☐ A government contractor from any country

- ☐ A European government contractor

- ☐ A United States government entity

- ☐ A United States government contractor

43. To complete the sentence, select the appropriate option in the answer area.
 Hot Area: When you are implementing a Software as a Service(SaaS) Solution, You are
Responsible for: * (10 Points)

- ◯ configuring high availability.

- ⦿ defining scalability rules.

- ◯ configuring the SaaS solution

- ◯ installing the SaaS solution

44. To complete the sentence, select the appropriate option in the answer area.
Hot Area: An organization that Host it infrastructure .... no longer
requires a data center * (10 Points)

- ◯ in a private cloud

- ◯ in a hybrid cloud

- ⦿ in the public cloud

- ◯ on a Hyper-V host

45. You have an on-premises network that contains several servers.
    You plan to migrate all the servers to Azure.
    You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period.
    What should you include in the recommendation? * (10 Points)

    ○ low latency

    ◉ scalability

    ○ fault tolerance

    ○ elasticity

46. What are two characteristics of the public cloud? Each correct answer presents a complete solution.
    NOTE: Each correct selection is worth one point. * (10 Points)

    Please select 2 options.

    ☐ unsecured connections

    ☑ limited storage

    ☐ dedicated hardware

    ☐ self-service management

    ☑ metered pricing

47. To complete the sentence, select the appropriate option in the answer area.
    Hot Area: When planning to migrate a public website to Azure you must plan to :-------------
    --------------------- * (10 Points)

    ○ pay monthly usage costs

    ◉ deploy a VPN

    ○ pay to transfer all the website data to Azure.

    ○ reduce the number of connections to the website.

48. Your company hosts an accounting application named App1 that is used by all the customers
    of the company.
     App1 has low usage during the first three weeks of each month and very high usage during
    the last week of each month.
     Which benefit of Azure Cloud Services supports cost management for this type of usage
    pattern? * (10 Points)

    ◉ elasticity

    ◯ high latency

    ◯ high availability

    ◯ load balancing

49. You plan to migrate a web application to Azure. The web application is accessed by external
    users.
     You need to recommend a cloud deployment solution to minimize the amount of
    administrative effort used to manage the web application.
     What should you include in the recommendation? * (10 Points)

    ◯ Database as a Service (DaaS)

    ◯ Platform as a Service (PaaS)

    ◉ Infrastructure as a Service (IaaS)

    ◯ Software as a Service (SaaS)

50. You have an on-premises network that contains 100 servers.
     You need to recommend a solution that provides additional resources to your users. The
    solution must minimize capital and operational expenditure costs.
     What should you include in the recommendation? * (10 Points)

    ◯ a hybrid cloud

    ◉ a complete migration to the public cloud

    ◯ a private cloud

    ◯ an additional data center