**Question 1. Which of the following is an advantage of using virtual machines over traditional physical servers?**

* Correct Answer : Easy migration and backup
* Your Answer : Easy migration and backup

**Question 2. Which of the following is NOT a valid way to share Power BI content?**

* Correct Answer : Export to PowerPoint
* Your Answer : Share via email

**Question 3. Which cloud deployment model is operated and managed by a third-party cloud service provider and shared among multiple organizations?**

* Correct Answer : Public Cloud
* Your Answer : Public Cloud

**Question 4. Which tool in Azure can be used to create a Windows VM?**

* Correct Answer : Azure CLI
* Your Answer : Azure CLI

**Question 5. What is the primary goal of load balancing in cloud computing?**

* Correct Answer : Distributing network or application traffic across multiple servers
* Your Answer : Reducing the number of servers

**Question 6. Which cloud service model is most suitable for developing and testing applications in a cost-effective manner?**

* Correct Answer : PaaS
* Your Answer : IaaS

**Question 7. Which deployment model allows organizations to take advantage of cloud benefits while maintaining control over sensitive data in a private cloud?**

* Correct Answer : Hybrid Cloud
* Your Answer : Hybrid Cloud

**Question 8. Which command-line tool can be used to deploy a web app to Azure App Services?**

* Correct Answer : Azure CLI
* Your Answer : Azure CLI

**Question 9. What is the primary purpose of an Azure Availability Zone?**

* Correct Answer : To isolate VMs from hardware failures within a datacenter
* Your Answer : To provide redundancy across geographical regions

**Question 10. What is Azure Virtual Machine Scale Sets?**

* Correct Answer : A feature that allows automatic scaling of virtual machine
* Your Answer : A service for managing and scaling virtual networks in Azure

**Question 11. What is the purpose of a fault domain in Azure?**

* Correct Answer : To group VMs that share a common power source and network switch
* Your Answer : To isolate VMs from software failures

**Question 12. How can Azure Functions be used in conjunction with Azure Logic Apps?**

* Correct Answer : To extend the functionality of workflows with custom code
* Your Answer : To extend the functionality of workflows with custom code

**Question 13. How does Azure Cosmos DB handle global distribution?**

* Correct Answer : By automatically replicating data across multiple regions
* Your Answer : By automatically replicating data across multiple regions

**Question 14. What is the maximum number of databases you can have in a single Azure Cosmos DB account?**

* Correct Answer : Unlimited
* Your Answer : 50

**Question 15. What is the maximum execution time limit for an Azure Function on a Consumption plan?**

* Correct Answer : 10 minutes
* Your Answer : 5 minutes

**Question 16. Which feature in Power BI Desktop allows you to see the step-by-step transformations applied to your data?**

* Correct Answer : Applied Steps
* Your Answer : Applied Steps

**Question 17. What does the ALLSELECTED function do in DAX?**

* Correct Answer : Keeps filters from slicers and cross-filtering
* Your Answer : Keeps filters from slicers and cross-filtering

**Question 18. Which of the following is not a valid cross-filter direction in Power BI relationships?**

* Correct Answer : Partial
* Your Answer : Partial

**Question 19. Your company operates an e-commerce platform that experiences varying levels of traffic throughout the year. During peak seasons, the application must automatically scale to handle increased user activity and ensure optimal performance. You also need to distribute incoming traffic evenly across multiple instances to prevent overloading any single server. Which Azure service combination would you use to achieve this?**

* Correct Answer : Azure App Service with autoscaling and Azure Load Balancer
* Your Answer : Azure Functions with Azure Cosmos DB

**Question 20. You are building a real-time analytics platform that processes streaming data from IoT devices. The platform needs to scale dynamically based on incoming data volume and handle complex data transformations in real-time. Which Azure service combination would you use to implement this solution?**

* Correct Answer : Azure Functions and Azure Cosmos DB
* Your Answer : Azure Functions and Azure Cosmos DB