**1)What is cloud computing?**

1. **Delivery of computing services over the internet.**
2. Delivery of storage services over the internet.
3. Delivery of websites accessible via the internet.

**2)Which cloud model uses some datacenters focused on providing cloud services to anyone that wants them, and some data centers that are focused on a single customer?**

1. Public cloud
2. **Hybrid cloud**
3. Multi-cloud

**3)According to the shared responsibility model, which cloud service type places the most responsibility on the customer?**

1. **Infrastructure as a Service (IaaS)**
2. Software as a Service (SaaS)
3. Platform as a Service (PaaS)

**4)Which type of scaling involves adding or removing resources (such as virtual machines or containers) to meet demand?**

1. Vertical scaling
2. **Horizontal scaling**
3. Direct scaling

**5)What is characterized as the ability of a system to recover from failures and continue to function?**

1. **Reliability**
2. Predictability
3. Scalability

**6)Which cloud service type is most suited to a lift and shift migration from an on-premises datacenter to a cloud deployment?**

1. **Infrastructure as a Service (IaaS)**
2. Platform as a Service (PaaS)
3. Software as a Service (SaaS)

**7)What type of cloud service type would a Finance and Expense tracking solution typically be in?**

1. Infrastructure as a Service (IaaS)
2. Platform as a Service (PaaS)
3. **Software as a Service (SaaS)**

**8)How many resource groups can a resource be in at the same time?**

1. **One**
2. Two
3. Three

**9)What happens to the resources within a resource group when an action or setting at the Resource Group level is applied?**

1. Current resources inherit the setting, but future resources don't.
2. Future resources inherit the setting, but current ones don't.
3. **The setting is applied to current and future resources.**

**10)What Azure feature replicates resources across regions that are at least 300 miles away from each other?**

1. **Region pairs**
2. Availability Zones
3. Sovereign regions

**11)Which Azure Virtual Machine feature staggers updates across VMs based on their update domain and fault domain?**

1. **Availability sets**
2. Scale sets
3. Update sets

**12)Which Azure service allows users to use a cloud hosted version of Windows from any location and connect from most modern browsers?**

1. **Azure Virtual Desktop**
2. Azure Virtual Machines
3. Azure Container Instances

**13)Which tool automatically keeps files between an on-premises Windows server and an Azure cloud environment updated?**

1. **Azure File Sync**
2. Azure Storage Explorer
3. AzCopy

**14)Which storage redundancy option provides the highest degree of durability, with 16 nines of durability?**

1. Locally redundant storage
2. Zone-redundant storage
3. **Geo-zone-redundant-storage**

**(Geo-redundant storage (GRS) and geo-zone-redundant storage (GZRS) both provide 16 nines of durability.)**

**15)Which Azure Storage service supports big data analytics, as well as handling text and binary data types?**

1. **Azure Blobs**
2. Azure Files
3. Azure Disks

**16)Which Microsoft Entra tool can vary the credentials needed to log in based on signals, such as where the user is located?**

1. **Conditional Access**

**(Conditional Access is a tool that Microsoft Entra ID uses to allow (or deny) access to resources based on identity signals. Conditional Access might challenge you for a second authentication factor if your sign-in signals are unusual or from an unexpected location.)**

1. Guest access
2. Passwordless

**17)Which security model assumes the worst-case security scenario, and protects resources accordingly?**

1. **Zero trust**
2. Defense-in-depth
3. Role-based access control

**18)A user is simultaneously assigned multiple roles that use role-based access control. What are their actual permissions? The role permissions are: Role 1 - read || Role 2 - write || Role 3 - read and write.**

1. Read only
2. Write only
3. **Read and write**

**19)The Cloud Adoption Framework for Azure helps customers make their journey to the cloud. What are the three main stages of the framework?**

1. Plan, Business Justification, and Implementation.
2. Migrate, Test, and Optimize.
3. **Plan, Ready, and Adopt.**

**20)Motivations for cloud adoption include migration and innovation triggers. Migration triggers include such things as cost saving and operations optimization. Which of the following is an example of an innovation trigger which drives cloud adoption?**

1. Reduction in IT staff for on-premises hardware.
2. **Transform products or services.**
3. Increase business agility.

**21)What are the five disciplines of cloud governance?**

1. Business risk, process, policy and compliance, resource consistency, and deployment acceleration.
2. Business risk, policy and compliance, security baseline, process, and operations.
3. **Cost management, security baseline, resource consistency, identity baseline, and deployment acceleration.**

**22)The common value drivers that business decision makers can use to justify moving their business to the cloud are Cost, Scale, Productivity, and Reliability. What is the specific value of scale in cloud computing?**

1. **Scale is the ability to deliver the right amount of IT resources.**
2. Scale eliminates capital expense.
3. Scale eases the burden of data backup, disaster recovery, and business continuity.

**23)Financial planning for cloud adoption requires organizations to decide whether to expand on-premises capabilities or move certain workloads and functions off-premises to cloud-delivered services. Microsoft has tools that can help. What Microsoft tool is available for a CFO who's trying to estimate the expected monthly bill and track actual account usage?**

1. The Azure Total Cost of Ownership (TCO) Calculator.
2. **The Azure Pricing Calculator.**
3. Microsoft Cost Management.

**24)What Azure feature can help stay organized and track usage based on metadata associated with resources?**

1. **Tags**
2. Tracers
3. Values

**25)What’s the best method to estimate the cost of migrating to the cloud while incurring minimal costs?**

1. Migrate a small sample to the cloud and track costs over time.
2. **Use the Total Cost of Ownership calculator to estimate expected costs**.
3. Migrate to the cloud, but track usage closely using tags to rapidly understand costs.

**26)How can you prevent creation of non-compliant resources, without having to manually evaluate each resource?**

1. **Azure Policy**
2. Azure Purview
3. Azure Resource Monitor

(**Incorrect. Azure Purview helps you manage your data estate, but won't prevent an out-of-policy resource creation.)**

**27)What's the best way to prevent inadvertent deletion of a resource?**

1. Azure Policy
2. Microsoft Purview
3. **Azure resource locks**

**(A resource lock can be used to prevent a resource from accidentally being deleted.)**

**28)What service helps you manage your Azure, on-premises, and multicloud environments?**

1. **Azure Arc**
2. Azure Policy
3. Azure Cloud Manager

**29)What two components could you use to implement a “infrastructure as code” deployment?**

1. **Bicep and ARM Templates**
2. Azure Policy and Azure Arc
3. Azure Monitor and Azure Arc

**30)Which is not one of the recommendation categories for Azure Advisor?**

1. Reliability
2. **Capacity**
3. Cost

**31)You receive an email notification that virtual machines (VMs) in an Azure region where you have VMs deployed is experiencing an outage. Which component of Azure Service Health will let you know if your application is impacted?**

1. Azure Status
2. Service Health
3. **Resource Health**

**(Correct. Resource Health is a tailored view of your actual Azure resources. It provides information about the health of your individual cloud resources.)**