

## Azure\_S16

### Report : 9

#### Fill in the Blank Questions:

1. Azure provides a global network of secure \_\_\_\_\_ you can deploy your services into.
2. A \_\_\_\_\_ is a geographical area containing at least one, but potentially multiple, datacenters.
3. Azure intelligently assigns and controls resources within each \_\_\_\_\_ to ensure workloads are balanced.
4. Azure has specialized \_\_\_\_\_ that can be used for compliance or legal purposes.
5. The world is divided into Azure \_\_\_\_\_, which are defined by geopolitical boundaries.
6. An Azure \_\_\_\_\_ is a discrete market containing two or more regions that preserve data residency.
7. Azure's geographies ensure that data \_\_\_\_\_, sovereignty, compliance, and resiliency requirements are honored.
8. \_\_\_\_\_ refers to the physical or geographic location of an organization's data or information.
9. The four major Azure geographies are Americas, \_\_\_\_\_, Asia Pacific, and Middle East & Africa.
10. Availability \_\_\_\_\_ are physically separate datacenters within an Azure region.
11. Each availability zone is equipped with independent power, \_\_\_\_\_, and networking.

12. Availability zones are connected through high-speed, private \_\_\_\_\_ networks.
13. An availability \_\_\_\_\_ is a group of two or more virtual machines in the same datacenter.
14. Availability sets offer a \_\_\_\_\_ SLA, whereas availability zones offer a 99.99% SLA.
15. Each Azure region is paired with another region at least \_\_\_\_\_ miles away.
16. Region pairs are used to provide reliable services and data \_\_\_\_\_.
17. SLAs stand for \_\_\_\_\_ Level Agreements.
18. Microsoft captures its Azure performance commitments in formal documents called \_\_\_\_\_.
19. SLAs describe Microsoft's commitment to providing customers with specific \_\_\_\_\_ standards.
20. A typical SLA specifies performance-target commitments ranging from 99.9% to \_\_\_\_\_.
21. SLAs define three key characteristics: performance targets, uptime and connectivity guarantees, and \_\_\_\_\_.
22. Performance targets in SLAs are specific to each \_\_\_\_\_ or service.
23. If an Azure product fails to meet the SLA, Microsoft may offer customers \_\_\_\_\_ credits.
24. When combining multiple SLAs, the resultant SLA is called a \_\_\_\_\_ SLA.
25. Composite SLAs can provide either higher or lower \_\_\_\_\_ values.
26. You can improve composite SLA values by creating independent \_\_\_\_\_ paths.
27. If SQL Database is unavailable, transactions can be placed in a \_\_\_\_\_ for later processing.

28. The goal of resiliency is to return the application to a fully \_\_\_\_\_ state after failure.
29. High \_\_\_\_\_ and disaster recovery are two crucial components of resiliency.
30. Azure has more global \_\_\_\_\_ than any other cloud provider.
31. A region is made up of one or more \_\_\_\_\_ that are networked together.
32. Geographies ensure data \_\_\_\_\_, sovereignty, and compliance requirements are met.
33. Availability zones are designed to be an \_\_\_\_\_ boundary.
34. If one availability zone fails, the others continue to \_\_\_\_\_.
35. Availability zones protect against failures by distributing resources across multiple \_\_\_\_\_.
36. A region pair ensures that services remain available even during large-scale \_\_\_\_\_.
37. Microsoft maintains its commitment to customers through comprehensive \_\_\_\_\_ policies.
38. Azure offers automatic geo-redundant storage using \_\_\_\_\_ pairs.
39. Application SLAs are used to set performance targets for a specific \_\_\_\_\_.
40. A composite SLA of 99.95% and 99.99% results in \_\_\_\_\_%.
41. \_\_\_\_\_ refers to the legal or regulatory requirements imposed on data.
42. Availability sets ensure at least one virtual machine remains available if an \_\_\_\_\_ occurs.
43. Performance targets for some services are expressed as \_\_\_\_\_ guarantees.
44. The Azure \_\_\_\_\_ ensures workloads are balanced efficiently within a region.
45. Using availability zones may incur additional \_\_\_\_\_ due to data transfer between zones.

46. If both a database and a queue fail simultaneously, the composite SLA is \_\_\_\_\_%.
47. A composite SLA with a queue improves availability but increases \_\_\_\_\_ complexity.
48. Microsoft provides SLAs for each individual Azure \_\_\_\_\_ and service.
49. The goal of Azure resiliency is to avoid \_\_\_\_\_ or data loss.
50. High availability and \_\_\_\_\_ recovery ensure business continuity in Azure.