**DV162\_4\_PAS\_On key Concepts and Terminology  
Possible Answers Sheet**

| Q1 | What are key concepts in cloud services? |
| --- | --- |
| ANS | Key concepts in cloud services include on-demand self-service, broad network access, resource pooling, rapid elasticity, and measured service. |
| Q2 | What is high availability in cloud services? |
| ANS | High availability in cloud services refers to the ability of a system or service to remain operational and accessible for a high percentage of time, typically measured as a percentage of uptime over a given period. |
| Q3 | What is scalability in cloud services? |
| ANS | Scalability in cloud services refers to the capability of a system or service to handle increasing workload by adding resources such as CPU, memory, or storage capacity. |
| Q4 | What is elasticity in cloud services? |
| ANS | Elasticity in cloud services refers to the ability of a system or service to automatically provision and deprovision resources in response to changing demand, ensuring that the right amount of resources are available at any given time. |
| Q5 | What is the difference between elasticity and scalability? |
| ANS | The difference between elasticity and scalability lies in their scope: scalability typically refers to the ability to handle increasing workload by adding resources, while elasticity encompasses both scaling up and down dynamically in response to demand fluctuations. |
| Q6 | What is agility in cloud services? |
| ANS | Agility in cloud services refers to the ability of organizations to quickly adapt and respond to changing business requirements by leveraging cloud resources and services, enabling faster innovation and time-to-market. |
| Q7 | What is fault tolerance in cloud services? |
| ANS | Fault tolerance in cloud services refers to the ability of a system or service to continue operating with minimal disruption in the event of hardware or software failures, achieved through redundancy and failover mechanisms. |
| Q8 | What is disaster recovery in cloud services? |
| ANS | Disaster recovery in cloud services refers to the process of restoring IT infrastructure and data in the event of a catastrophic event or data loss, leveraging cloud resources and backups to ensure business continuity. |
| Q9 | What are customer latency capabilities in cloud services? |
| ANS | Customer latency capabilities in cloud services refer to the ability of cloud providers to minimize network latency and ensure responsive performance for end users accessing applications and services from different geographical locations. |
| Q10 | What are predictive cost considerations in cloud services? |
| ANS | Predictive cost considerations in cloud services involve forecasting and managing the expenses associated with using cloud resources, taking into account factors such as usage patterns, pricing models, and potential cost optimizations to optimize spending and budget effectively. |