

# CLOUD COMPUTING ANSWER KEY

## 1. What is Cloud Computing?

- . **Answer: B) Using remote servers to store, manage, and process data over the internet**

- . **Explanation:**

**Cloud computing** involves using remote servers hosted on the internet to store, manage, and process data, instead of relying on local servers or personal computers.

## 2. Which of the following is NOT a characteristic of cloud computing?

- . **Answer: C) Limited access**

- . **Explanation:**

Cloud computing is characterized by **on-demand self-service, scalability, and resource**

**pooling**, while **limited access** contradicts the idea of the cloud being universally accessible.

**3. Which cloud service model provides hardware and networking infrastructure on a pay-per-use basis?**

**. Answer: B) IaaS (Infrastructure as a Service)**

**. Explanation:**

**IaaS** provides virtualized computing resources over the internet, including hardware and networking infrastructure, on a pay-per-use basis.

**4. Which of the following is an example of IaaS (Infrastructure as a Service)?**

**. Answer: A) Microsoft Azure**

**. Explanation:**

**Microsoft Azure** is an example of **IaaS** offering virtual machines, storage, and other infrastructure services to clients.

5. Which of the following is an example of SaaS (Software as a Service)?

. **Answer: B) Office 365**

. **Explanation:**

**Office 365** is an example of **SaaS**, which provides software (in this case, Office tools) hosted on the cloud and accessed over the internet.

6. What is the primary advantage of cloud computing over traditional computing?

. **Answer: D) Scalability and flexibility of resources**

. **Explanation:**

Cloud computing offers **scalability** and **flexibility**, allowing businesses and individuals to increase or decrease their resource usage based on demand, without having to invest in physical infrastructure.

**7. Which of the following is a major security concern with cloud computing?**

**. Answer: B) Data privacy and security risks**

**. Explanation:**

**Data privacy and security risks** are major concerns in cloud computing, as sensitive data is stored remotely and potentially shared across multiple users or organizations.

**8. What does the term "public cloud" refer to?**

**. Answer: B) Cloud services that are available to the general public over the internet**

**. Explanation:**

**Public cloud** refers to cloud services that are provided by third-party providers and are accessible to anyone via the internet.

**9. Which cloud deployment model allows for a combination of private and public cloud services?**

**. Answer: C) Hybrid cloud**

- **Explanation:**

A **hybrid cloud** combines both **private** and **public** cloud services, allowing data and applications to be shared between them for greater flexibility.

**10. Which of the following is an example of a public cloud provider?**

- **Answer: D) All of the above**

- **Explanation:**

**IBM Cloud, Google Cloud, and Microsoft Azure** are all examples of **public cloud** providers that offer services to a wide range of customers.

**11. Which of the following is the primary benefit of cloud scalability?**

- **Answer: A) The ability to add or remove resources based on demand**

- **Explanation:**

**Cloud scalability** allows users to scale up (add

resources) or scale down (remove resources) depending on current demand, ensuring efficient use of resources.

**12. What does the term "elasticity" in cloud computing refer to?**

**. Answer: B) The flexibility to scale resources up or down based on demand**

**. Explanation:**

**Elasticity** in cloud computing refers to the cloud's ability to automatically adjust resources (increase or decrease) to meet the current demand.

**13. Which of the following is a platform commonly used for cloud-based storage?**

**. Answer: A) Dropbox**

**. Explanation:**

**Dropbox** is a popular platform for **cloud-based**

**storage**, allowing users to store and access files remotely.

**14. Which of the following is a major advantage of using cloud storage for businesses?**

**. Answer: C) Accessibility from anywhere with an internet connection**

**. Explanation:**

**Cloud storage** allows businesses to access their data from anywhere with an internet connection, providing flexibility and mobility.

**15. What does "multi-tenancy" mean in the context of cloud computing?**

**. Answer: A) Cloud servers are shared by multiple organizations, each with separate data storage**

**. Explanation:**

**Multi-tenancy** refers to a model where a single cloud server is shared by multiple organizations

(tenants), but each organization's data is kept separate and secure.

**16. What is the purpose of cloud load balancing?**

**. Answer: B) To ensure that cloud resources are used efficiently and evenly distribute traffic**

**. Explanation:**

**Load balancing** distributes incoming traffic or computing tasks across multiple resources to prevent overloading any single server or system.

**17. Which of the following is an example of PaaS (Platform as a Service)?**

**. Answer: B) Google App Engine**

**. Explanation:**

**Google App Engine** is an example of **PaaS**, which provides a platform for developers to build, host, and manage applications without managing the underlying infrastructure.

**18. Which of the following is true about the "pay-as-you-go" model in cloud computing?**

**. Answer: B) It charges based on the resources you use rather than flat rates**

**. Explanation:**

The **pay-as-you-go** model charges users based on their actual consumption of cloud resources, rather than requiring upfront costs or flat-rate billing.

**19. Which of the following is a common feature of cloud services?**

**. Answer: B) Centralized computing and resource management**

**. Explanation:**

Cloud services often use **centralized computing** and **resource management** to provide shared resources to multiple users efficiently.

20. Which of the following is an example of a cloud-based email service?

. **Answer: D) All of the above**

. **Explanation:**

**Gmail, Microsoft Outlook, and Yahoo Mail** are all examples of **cloud-based email services** that allow users to access their emails online from any device with an internet connection.