

Class 8

Worksheet

Q1 Multiple Choice Questions (MCQ)

1. What does the term 'SaaS' stand for in Cloud Computing?
 - A) System as a Service
 - B) Storage as a Service
 - C) Software as a Service
 - D) Server as a Service
2. Which cloud service provides computing platforms allowing users to develop, run, and manage applications without dealing with the underlying infrastructure?
 - A) SaaS (Software as a Service)
 - B) PaaS (Platform as a Service)
 - C) IaaS (Infrastructure as a Service)
 - D) DaaS (Data as a Service)
3. What does IaaS refer to in Cloud Computing?
 - A) Internet as a Service
 - B) Infrastructure as a Service
 - C) Information as a Service
 - D) Integration as a Service
4. What is the primary role of a Cloud Service Provider (CSP) in Cloud Computing?
 - A) Offering physical servers for sale
 - B) Managing and delivering cloud-based services
 - C) Providing software development tools
 - D) Marketing cloud-based products
5. Which cloud deployment model allows for a mix of public and private cloud infrastructures?
 - A) Public cloud
 - B) Hybrid cloud
 - C) Community cloud
 - D) Private cloud
6. What does the term 'Scalability' mean in the context of Cloud Computing?
 - A) Adjusting resources based on demand
 - B) Accessing cloud services through multiple devices
 - C) Restricting access to specific users
 - D) Developing applications without infrastructure

7. Which cloud service model allows users to access applications over the internet without installation or management?

- A) SaaS (Software as a Service)
- B) PaaS (Platform as a Service)
- C) IaaS (Infrastructure as a Service)
- D) CaaS (Communication as a Service)

8. What is phishing in the context of cyber threats?

- A) An attack that floods a system with traffic
- B) An attempt to deceive individuals into revealing sensitive information
- C) Unauthorized access to a computer system
- D) A virus that spreads through email attachments

9. Which of the following is a common cybersecurity practice to protect passwords?

- A) Sharing passwords with trusted friends
- B) Using the same password for multiple accounts
- C) Using strong, unique passwords for each account
- D) Writing down passwords on a sticky note

10. Which cyber threat aims to restrict access to a computer system or data until a ransom is paid?

- A) Spyware
- B) Adware
- C) Ransomware
- D) Trojan horse

11. What does ISP stand for in the context of the Internet?

- A) Internet Service Provider
- B) Internal Server Protocol
- C) Internet Security Protocol
- D) Internet Signal Processor

12. What is the purpose of a web browser in the context of the Internet?

- A) To create websites
- B) To host websites
- C) To access and view web pages
- D) To provide internet connectivity

Q2 Fill in the Blanks

1. Cloud computing refers to the delivery of computing services such as _____ over the internet.

2. _____ as a Service (PaaS) allows users to develop, run, and manage applications without dealing with the infrastructure.

3. A _____ cloud infrastructure is shared by multiple organizations with common interests.
4. In cloud computing, scalability refers to the ability to _____ resources based on demand.
5. Cloud service providers (CSPs) manage and deliver cloud-based services through a _____.
6. _____ is a cybersecurity threat that involves disguising malicious software as legitimate software.
7. Using a combination of uppercase and lowercase letters, numbers, and special characters in a password makes it _____ to crack.
8. _____ involves gaining unauthorized access to a computer system or network with malicious intent.
9. _____ refers to the practice of maliciously obtaining sensitive information by pretending to be a trustworthy entity.
10. A device that connects multiple computers in a network and directs data between them is known as a _____.

Q3 True or False

1. Cloud computing allows users to access resources and applications only through dedicated software installed on devices.
2. Hybrid cloud combines elements of public and private clouds, allowing data and applications to be shared between them.
3. IaaS provides users with fully managed applications without requiring any maintenance from their end.
4. Scalability in cloud computing refers to the ability to adjust resources based on demand, ensuring optimal utilization.
5. Cloud service providers are responsible for managing and delivering cloud-based services but have no role in ensuring security.
6. HTTP (Hypertext Transfer Protocol) is used for secure communication over the internet.
7. Social media platforms are used solely for entertainment and have no educational value.

Q4 Short Answer Questions

1. Describe in your own words what cloud computing means and how it benefits users.
2. Explain the difference between public and private cloud.
3. Discuss the importance of strong passwords in ensuring internet security.
4. How does a web browser enable access to information on the Internet?
5. Describe the role of antivirus software in cybersecurity and why it's important.