Computer Science — Class 7th

Chapter 8: Internet & Cybersecurity Questions and Answers

Q1. What is the Internet? Give any three advantages of using the Internet.

Internet: A global network of interconnected computers that allows people to share information and communicate worldwide.

Three Advantages:

- **Instant Communication:** Quick exchange of messages via email and social media platforms.
- **Access to Information:** Vast digital library of educational resources, articles, and real-time news.
- **Online Services:** Convenient access to online shopping, digital banking, and entertainment platforms.

Q2. What do you mean by ISP? Give two examples of ISPs operating in India.

ISP (Internet Service Provider): An organization or company that provides individuals and institutions with access to the Internet.

Examples in India: Reliance Jio and Bharti Airtel.

Q3. What is ethical hacking?

Ethical Hacking: The authorized practice of bypassing system security to identify potential data breaches and vulnerabilities in a network, helping to strengthen overall system security.

Q4. Give any two functions performed by an ethical hacker.

- Identifying, testing, and fixing security vulnerabilities within system networks.
- Conducting regular penetration tests to protect organizations against unauthorized cyberattacks.

Q5. What is meant by digital footprint? List any three steps that one must keep in mind while surfing the Internet.

Digital Footprint: The trail of data you leave behind whenever you use the Internet (such as website visits, social media posts, and online searches).

Three Safety Steps:

1. Do not share personal information (like passwords, phone numbers, or addresses) on public platforms.
2. Use strong, unique passwords and enable two-factor authentication whenever available.
3. Avoid clicking on suspicious links or downloading files from unverified sources.