

## **Question Bank – 1**

### **Answer the following questions**

#### **Module-1:**

1. Explain Cyber Security and its importance in today's digital world.
  2. Explain Cyber Security. Explain different types of cyber-attacks and explain their impact on individuals and society.
  3. Explain the impact of cyber-attacks on individuals and society.
  4. Explain phishing attacks and methods to prevent them.
  5. Explain identity theft and its effects on individuals.
  6. Explain cybercrimes such as phishing, identity theft and ransomware.
  7. Explain different types of cybercrimes.
  8. Explain the importance of cyber security awareness for individuals.
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#### **Module-2:**

1. Explain common cyber security threats faced by individuals and organizations.
  2. Explain cyber security vulnerabilities with examples.
  3. Explain how attackers exploit cyber security vulnerabilities.
  4. Explain the role of cyber laws in preventing cybercrimes.
  5. Explain how cyber laws help in protecting individuals and society.
  6. Explain methods used by individuals to protect themselves from cyber-attacks.
  7. Apply your understanding of cyber security threats and vulnerabilities to explain how individuals and organizations can protect themselves and society from cyber-attacks.
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#### **Module-3**

1. Explain Information Security Standards and their importance.

2. Explain how information security standards (ISO/NIST) are used during the software design and development process to ensure secure applications.
3. Explain the use of authentication mechanisms in secure systems.
4. Apply information security standards to explain secure practices used while developing web applications and servers.
5. Explain the role of firewalls in protecting applications and servers.
6. Explain the importance of security standards in server protection.
7. Explain how information security standards protect software systems and explain the use of authentication and access control in secure system design.