

# **INFORMATION SECURITY**

## **IMPORTANT QUESTIONS**

### **UNIT-1**

#### **SHORT QUESTIONS:**

1. Define Information Security?
2. What are the characteristics of Information Security?
3. Explain the types of security attacks?
4. List the types of access controls?

#### **LONG QUESTIONS:**

1. Write in detail about security attacks, services, mechanisms?
2. Discuss the following terms in detail with relevant examples?
3. Discuss the difference between Discretionary Access Control and Mandatory Access Control?
4. Explain encapsulating Security Payload?

### **UNIT-2**

#### **SHORT QUESTIONS:**

1. Compare encryption and decryption?
2. Define cryptanalysis?
3. Define about security in hash function?
4. Write about Diffie-Hellman Key exchange?

#### **LONG QUESTIONS:**

1. Write about the various types of ciphers?
2. What are applications of public key cryptography? Explain them briefly?
3. Discuss briefly about Encryption and Decryption Techniques?
4. Explain all the principles of the public key crypto systems?

### **UNIT-3**

#### **SHORT QUESTIONS:**

1. Define digital signature?
2. What is Email Security?

**LONG QUESTIONS:**

1. With a neat diagram write about a model for Network security?
2. What is X.509 authentication service?
3. Describe the requirements in web security. Explain the various web security threats?
4. Discuss Kerberos v4 and Kerberos v5?