

1. What is **Cryptography**? Classify the model of cryptography.
2. Explain the different types of attacks and terminologies relevant to Network security:
 - a. **Confidentiality**
 - b. **Integrity**
 - c. **Authenticity**
 - d. **Non-repudiation**
 - e. **Denial of Service (DoS)**
 - f. **Man-in-Middle (MiM)** attack
 - g. **Brute-force attack**
3. Explain the basic functional architecture of a symmetric cryptographic system.
 - a. Advantage of **symmetric cryptography**
 - b. Disadvantages of **symmetric cryptography**
 - c. Give three examples of **symmetric cryptography** algorithms commonly in use
4. Explain the basic functional architecture of an asymmetric cryptographic system.
 - a. What do you mean by **public key**?
 - b. What do you mean by **private key**?
 - c. Advantage of **asymmetric cryptography**
 - d. Disadvantages of **asymmetric cryptography**
 - e. Give three examples of asymmetric cryptography algorithms commonly in use
5. How can you check **authenticity** of a message using **asymmetric cryptography**? Explain with a neat sketch.
6. What is **Digital signature**? How does it ensure **authenticity** of a message?
7. How do you check **integrity** of a message?
8. How does **Message Digest** help detect a possible tampering in a message?
9. What do you mean by **Digital Envelop** and **Digital finger print**?
10. What do you mean by **IP spoofing**?
11. What do you mean by **Digital Certificates**? What is the full form of **PKI** and **KDC**?

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Management WiFi NETWORK SECURITY OpenCV XMPP Cloud

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