AJ-128

April-2023

M.Sc. (CA&IT), Sem.-VIII

Information Security

Time : 2:30 Hours]   **[Max. Marks : 70**

1. (A) Write the answer of following questions : (Any **Two**)   12
   - (1) Explain Information security model Bella Padula.
   - (2) What is the advantage of VPN ? Explain different types of VPN.
   - (3) What is Malware ? Explain different types of Malware.
   (B) Explain Vulnerability in network.   2

2. (A) Explain following : (Any **Four**)   12
   - (1) SSL HANDSHAKE
   - (2) ACCESS CONTROL
   - (3) CIA TRIAD
   - (4) AUTHENTICATION TYPE
   - (5) NETWORK SECURITY MODEL
   (B) Explain Network base IDPS.   2

3. Explain following in detail : (Any **Two**)   14
   - (1) Digital Signature
   - (2) KERBEROS
   - (3) Digital Certificate

4. Write the answer of following questions : (Any **Two**)   14
   - (1) What is Firewall ? Explain different types of firewalls in detail.
   - (2) Explain BIBA information security model.
   - (3) Explain Database Security

5. Write the answer of following questions : (Any **Two**)   14
   - (1) Explain SSL Record Protocol.
   - (2) Explain Public Key Infrastructure in detail.
   - (3) Explain Host Base intrusion detection & Prevention System.

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