

Seat No. : _____

AC-138

April -2018

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

Information Security

Time : 3 Hours]

[Max. Marks : 100

1. Explain following : (Any **four**) **20**
 - (1) SSL handshake protocol
 - (2) Biometrics Authentication method
 - (3) Pretty Good Privacy (PGP)
 - (4) IPSEC
 - (5) Denial of Service attack (DOS)

2. (A) Explain following in detail : (Any **three**) **18**
 - (1) PUBLIC KEY INFRASTRUCTURE
 - (2) KERBEROS
 - (3) Secure Electronic Transaction (SET)
 - (4) Threat of Web security

(B) Explain Trojan horse. **2**

3. (A) Explain following in detail : (Any **three**) **18**
 - (1) What is Intrusion detection and prevention system ? Explain Host base and Network base IDPS.
 - (2) What is Firewall ? Explain with example.
 - (3) Explain Threat of Network Security in detail.
 - (4) Explain Access Control of Network in detail.

(B) Explain Worm. **2**

4. (A) Explain following in detail : 12
- (1) What is Virtual Private Network ? Explain in detail.
 - (2) Explain Database Security in detail.
- (B) Explain Logic Bomb. 2
- (C) Define the following : (Any **three**) 6
- (1) Confidence Value
 - (2) True Attack Stimulus
 - (3) Alarm Clustering
 - (4) Noise
5. (A) Answer the following : (Any **three**) 18
- (1) Define Enterprise Information Security Policy and write elements of EISP.
 - (2) Define: Governance, Corporate Governance and Information Security Governance.
 - (3) Write and explain three approaches of Issue Specific Security Policy.
 - (4) Explain Policy Manager, Policy Revision Date and Automated Policy Management.
- (B) Define: Alarm Filtering. 2
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