

Seat No. : _____

AC-151

April-2019

4th Year Integrated M.Sc. (CA & IT), Sem.-VIII

Information Security

Time : 2:30 Hours]

[Max. Marks : 70

1. (A) Answer the following questions : (any **three**) **12**
 - (1) Explain Public Key Infrastructure (PKI).
 - (2) Explain KERBEROS protocol in detail.
 - (3) Explain Policy Manager, Policy Revision Date and Automated Policy Management.
 - (4) Define : Governance, Corporate Governance and Information Security Governance.

(B) Define : False Positive. **2**

2. (A) Answer the following questions : (any **three**) **12**
 - (1) What is Malicious Software ? Explain different type of Malicious Software
 - (2) What is Intrusion Detection & Prevention System (IDPS) ? Explain
 - (3) What is Firewall ? Explain different type of Firewall
 - (4) Explain model for network security.

(B) Explain CIA Triangle : **2**

3. (A) Explain following in brief : (any **three**) **12**
 - (1) Digital signature
 - (2) Hash function
 - (3) Digital Certificate
 - (4) IP sec

(B) Explain Pretty Good Privacy (PGP) ? **2**

4. (A) Answer the following questions : (any **three**) **12**
- (1) What is Virtual Private network ? Explain.
 - (2) Explain Secure Electronic Transaction (SET) in detail.
 - (3) What is Access Control ? Explain in detail
 - (4) What is Secure Socket Layer (SSL) ? Explain SSL handshaking protocol.
- (B) Explain Biometrics. **2**
5. (A) Answer the following : (any **three**) **12**
- (1) Write advantages and disadvantages of NIDPS.
 - (2) Define : Alarm Clustering, Alarm Compaction, Noise and False attack Stimulus.
 - (3) Explain security policies, standards and guidelines.
 - (4) Explain Social Engineering.
- (B) Define : Authentication. **2**
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