

**MASTER OF BUSINESS ADMINISTRATION
(MBACT)**

Term-End Examination

June, 2015

00100

MCTE-021 : NETWORK SECURITY

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks.

1. Define the terms Confidentiality, Integrity and Availability. Give three examples each of two attacks that violate these goals. 20

2. What is the role of a firewall in securing a network ? Describe the different types of firewalls. 20

3. (a) Describe any five types of virus that can infect a system.
(b) Write a note on different authentication methods. 10+10

4. Discuss the various goals of information security. Also explain why the balance among different goals is needed. 20

5. Distinguish between any *two* of the following : 10+10
- (a) Public key and Private key
 - (b) Cryptography and Cryptanalysis
 - (c) Fingerprint and Retinal scan
6. Explain the following acronyms : 4×5=20
- (a) LAN
 - (b) TCP
 - (c) SSID
 - (d) UTMS
7. Briefly comment on any *two* of the following : 10+10
- (a) Clear guidelines for employees should be implemented for using the Internet
 - (b) When using a wireless connection, use a robust password
 - (c) Honeypots, essentially decoy network-accessible resources
8. Write short notes on any *two* of the following : 10+10
- (a) Convert Channel
 - (b) E-mail Security
 - (c) RSA Algorithm
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