

**MASTER OF BUSINESS ADMINISTRATION  
(MBACT)**

**Term-End Examination**

**June, 2013**

**MCTE-021 : NETWORK SECURITY**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Answer **any five** questions.*

*(ii) All questions carry **equal** marks.*

1. Classify and explain the security threats in a computer networks. 20
2. Explain how firewalls provide Network Security. 20  
What can a firewall protect against ? Explain different types of firewalls.
3. (a) What are Proxy Servers and how do they work ? 10  
(b) Differentiate between a virus and malware. 10
4. (a) What is NAT used for ? What do you understand by IP filtering ? 10  
(b) Explain the routing attacks and its possible solutions. 10

5. Explain the security attacks occur at data link layer and physical layer of a network. Explain its advantages and disadvantages. 20
6. What do you understand by Tunnelling? Explain how it provides secure data transmission in an insecure network? 20
7. Explain the working of distributed Intrusion Detection System. 20
8. Write short notes on the following : 20
- (a) DMZ
  - (b) RSA algorithm
  - (c) TCP wrapper
  - (d) Digital Signature
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