

00523

**MASTER OF BUSINESS ADMINISTRATION
(MBACT)**

**Term-End Examination
December, 2012**

MCTE-021 : NETWORK SECURITY

Time : 3 hours

Maximum Marks : 100

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

1. What do you understand by Network Security ? 20
Explain the security threats in a Computer Networks.

2. (a) What is a firewall ? Explain the different 10
types of firewalls used for Network Security.
(b) What is PGP ? Explain how authentication 10
service is carried out for e-mail and storage applications ?

3. What do you understand by DOS attack ? 20
Explain the security solutions against it.

4. What is SSL? Why it is used ? Explain the SSL 20
protocol stack.

5. What is a Digital Signature ? Explain the working of Digital Signature Standard Algorithm (DSS). Explain how it provides Security to Computer Networks. 20
6. What is the significance of IP filtering ? Explain its process of filtering using an example. 20
7. What do you understand by proxy server ? Explain how it provides security in a Computer Network environment ? 20
8. Explain the following : 20
- (a) Hybrid firewalls
 - (b) Permanent servers
 - (c) Internet backbone
 - (d) Kerberos
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