

Exam. Code : 208604

Subject Code : 4141

M.Sc. Information Technology 4th Semester

NETWORK SECURITY

Paper-MIT-402

Time Allowed—3 Hours]

[Maximum Marks—100

Note :— Attempt any 5 questions. All questions carry equal marks.

1. Differentiate between TCP and UDP. Explain TCP's 3-way handshake. 20
2. Explain the concept of stateful and stateless. How does a stateful firewall work ? 20
3. Explain the different types of proxies. Which tools help in proxying ? 20
4. What is a Security Policy ? Why is it important ? Discuss the important points to consider while developing a policy. 20
5. Discuss basic host hardening guidelines to secure a machine on a network. 20
6. What is Network Intrusion ? How it can be detected and prevented ? 20
7. Write short notes on :
 - (a) Antivirus Software
 - (b) Security Zones 10,10
8. Discuss the host defence components and their challenges. 20

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