

Exam. Code : 208604
Subject Code : 4487

M.Sc. Information Technology 4th Semester
NETWORK SECURITY
Paper—MIT-402

Time Allowed—2 Hours] [Maximum Marks—100

Note :— Attempt any **four** questions. All questions carry equal marks.

1. What is TCP/IP ? How does it work ? Compare the protocols TCP and UDP for data communication.
2. What is the role of a packet filter ? Give examples and explain the working of a packet filter.
3. What is a firewall ? How does it work ?
4. What is a proxy ? Explain the different types of proxies. Discuss the tool available for proxying.
5. Explain the concept of host hardening. How is it implemented ?
6. What is network intrusion ? How is it detected and managed ?
7. Explain separation of resources as a strategy for securing a system.
8. Write short notes on :
 - (a) monitoring file integrity
 - (b) monitoring application behaviour.