

Exam. Code : 208604

Subject Code : 4693

M.Sc. (Information Technology) Semester—IV**MIT-402 : NETWORK SECURITY**

Time Allowed—3 Hours]

[Maximum Marks—100

Note :— There are **EIGHT** questions, attempt any **FIVE** questions, each question carries **20** marks.

1. What is defense in depth ? Explain various layers that can be part of defense in depth.
2. How rejected traffic can be tracked ? Which are various problems with packet filters ?
3. Which are various pros and cons of proxy firewalls ? Explain various tools of proxying.
4. Explain various perimeters to be considered for developing an effective security policy.
5. What is meaning of Intrusion Detection ? What is role of Network Intrusion Detection in Network Security ? Explain IDS Sensor Placement.
6. Explain various challenges of host defense components.
7. Explain various design elements for Premier Security.
8. Write short notes on the following :
 - (a) VLAN Based Separation
 - (b) NIPS
 - (c) Cisco ACL.

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