

Roll No

MTCF-302(C)

M.E/M.Tech., III Semester

Examination, June 2016

Internet Security - TCP/IP Vulnerability

Time : Three Hours

Maximum Marks : 70

- Note :** i) Total number of questions eight Attempt any five questions.
ii) All questions carry equal marks.

1. a) Define the terms Cryptography, Authentication, Authorization and Integrity. 7
b) Briefly discuss SSH protocols using diagram of the SSH protocol stack. For what applications is SSH useful. 7
2. a) Explain the architecture of IP security in details. 7
b) How IP Section can be used to create VPN? 7
3. a) Enumerate the security problem in web. How it can be avoided? Explain with any one sample problem. 7
b) What the principle services offered by Pretty Good Privacy (PGP)? 7
4. a) How can we classify the attacks in general and explain each method with its possible solution? 7

- b) Describe the various types of e-mail threats in detail. 7

5. a) Explain in brief DKIM strategy and functional flow. 7
b) Explain in brief multipurpose Internet Mail Extensions. 7
6. a) Explain SET Protocol in brief. To protect credit card transaction on the internet, SET provides what type of services? Explain. 7
b) Write notes on Content Security Policies (CSP). 7
7. a) Prove how the security at the application layer is confirmed through PGP and S/MIME. 7
b) Explain the frameworks and the impact on internet security. 7
8. Write short notes on the following : (any four) 14
 - a) Criminal Acts
 - b) RFC 5322
 - c) Transport Layer Security (TLS)
 - d) Host Security
 - e) Key Management
