MSEI–021(P)(Set-I)

MASTER OF SCIENCE (INFORMATION SECURITY)/ P. G. DIPLOMA IN INFORMATION SECURITY (MSCIS/PGDIS)
Term-End Practical Examination
June, 2025

MSEI-021(P)(Set-I) : INTRODUCTION TO INFORMATION SECURITY

Time : 3 Hours   *Maximum Marks : 100*

Note : *Attempt any **two** out of three questions. Viva-voce carries 20 marks.*

1. Implement a firewall rule to block incoming traffic from a specific IP address :   40

   - Configure to deny all incoming connections from a given IP address.

   - Test the rule by attempting to connect to the system from the blocked IP address.

[2]

2. Configure a web server (Apache/Nginx) with SSL/TLS encryption :   40

   • Obtain SSL/TLS certificate from trusted source.

   • Configure and test to verify that the connection is secure.

3. Setup a VPN connection using open VPN :

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   • Create a server configuration file for open VPN.

   • Generate client certificates and keys.

   • Configure and setup for windows system.

   • Establish a VPN connection and verify connectivity.

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