

**P.G. DIPLOMA IN INFORMATION SECURITY
(PGDIS)**

Term-End Examination

June, 2021

**MSEI-021 : INTRODUCTION TO INFORMATION
SECURITY**

Time : 2 hours

Maximum Marks : 50

Note :

*Section A – Answer **all** the Objective Type Questions.*

*Section B – Answer **all** the Very Short Answer Type Questions.*

*Section C – Answer any **two** questions out of three Short Answer Type Questions.*

*Section D – Answer any **two** questions out of three Long Answer Type Questions.*

SECTION A

Objective Type Questions

*Attempt **all** questions.*

1. _____ topology is the combination of two or more topologies. 1

2. Encryption method converts plain text into _____ text in cryptography. 1

3. _____ is the maximum size of packet accepted by Windows OS in Ping command. *1*
4. LDAP stands for _____ . *1*
5. The MD5 algorithm is a widely used hash function producing a _____ bit hash value. *1*
6. _____ is the standardized registered jack of Ethernet cable. *1*
7. https protocol works on _____ layer. *1*
8. _____ is a multitasking operating system that aims at executing real time applications. *1*
9. USB stands for _____ . *1*
10. Programming source code gets _____ under Intellectual Property Rights. *1*

SECTION B
Very Short Answer Type Questions

*Attempt **all** questions.*

11. Explain Man-in-the-Middle attack with example. 2
12. Explain the concept of Payload in Malicious Attacks. 2
13. Explain Phreaking with example. 2
14. Explain Salami Attack. 2
15. Explain Patch Management. 2

SECTION C
Short Answer Type Questions

*Attempt **two** out of three questions.*

16. Define NAT. How is it different from Bridge ?
Elaborate with example. 5
17. Explain the recommendations for controlling Software Piracy. 5
18. Explain DHCP servers and compare with DNS servers. 5

SECTION D
Long Answer Type Questions

*Attempt **two** out of three questions.*

- 19.** Explain Ransomware Malware. Write its behaviour activities. How is it different from Trojan Horse ? 10
- 20.** Explain CMIP, ICMP and SNMP protocols in detail. 10
- 21.** Explain the difference between centralized model, partially decentralized model and fully decentralized model used for security awareness programme. 10
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