

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

Term-End Examination

June, 2018

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

Time : 2 hours

Maximum Marks : 50

- Note :**
- (i) *Section 'A' - Answer all the objective type questions.*
 - (ii) *Section 'B' - Answer all the very short answer type questions.*
 - (iii) *Section 'C' - Answer any two questions out of three short answer type questions.*
 - (iv) *Section 'D' - Answer any two questions out of three long answer type questions.*

SECTION - A

**Objective type questions.
(Attempt all the questions.)**

1. LDAP stands for _____ . 1
2. NNTP stands for _____ . 1
3. Which tools used to block port number. 1
 - (a) Antivirus
 - (b) Firewall
 - (c) Antiworms
 - (d) IDS

4. File Virus infects executables in OS File system. (True/False) 1
5. To implement SSL Certificate on Web server, which following options are applicable. 1
 - (a) We can implement SSL certificate through self signed Certificates.
 - (b) We can implement SSL certificate duly signed by Certifying Authority.
 - (c) Both are possible.
 - (d) None of the above.
6. By using Encryption techniques the plain text converts to _____. 1
7. _____ use to send and receive files from one computer to another. 1
8. _____ connectors are most commonly seen with Ethernet Cables and Networks. 1
9. _____ cable is made of glass or plastic and transmits signals in the form of light. 1
10. CMIP stands for _____. 1

SECTION - B

Very short answer type questions.
(Attempt **all** the questions.)

11. Differentiate between Real time Operating System and Embedded Operating System. 2
12. What is Operating System Hardening ? 2
13. Explain error Handling with example. 2
14. Explain SYN Flood Attack. 2
15. What is Polymorphic Virus ? Explain. 2

SECTION - C

Short answer type questions.

(Attempt 2 out of 3 short answer type questions.)

16. Explain OSI Model with a diagram. 5
17. Explain the difference between Phreaking and Privacy. 5
18. Difference between Mesh Topologies and Star Topologies. 5

SECTION - D

Long answer type questions.

(Attempt 2 out of 3 questions.)

19. Explain four primary classes of threats to network security. Difference in DOS and DDOS attacks. 10
 20. What are the benefits of Internet ? Explain any five. Explain three Data Transmission Modes. 10
 21. Write short notes on : 2x5=10
 - (a) Multitasking
 - (b) Main frames
 - (c) SNMP
 - (d) Reconnaissance
 - (e) Smurf Attack
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