

No. of Printed Pages : 4

MSEI-021

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

Term-End Examination

December, 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 2 out of 3 Short answer type questions.

Section D : Answer 2 out of 3 Long answer type questions.

Section—A

Note : Attempt all objective type questions.

1. NNTP stands for 1

2. By using encryption techniques the plain text converts to 1
3. CMIP stands for 1
4. Translator for low level programming language were termed as 1
5. Shell is the exclusive feature of OS. 1
6. DDOS stands for
7. The topology where each network host is connected to a central point in LAN is called 1
8. is the unauthorized discovery and mapping of systems, services or vulnerabilities. 1
9. Data transmission rates are stated in terms of the that can be transmitted per second. 1
10. A refers to a skilled hacker who sometimes acts legally, sometimes in good will and sometimes not. 1

P. T. O.

[3]

MSEI-021

Section—B

Note : *Attempt all the very short answer type questions.*

11. Differentiate between the following : 2 each
- (a) Compiler and interpreter
 - (b) Internet and extranet
 - (c) Threat agent and a threat
 - (d) Analog data transmission and digital data transmission
 - (e) Linux and Unix operating systems

Section—C

Note : *Attempt 2 out of 3 short answer type questions.*

12. Computer virus involves various stages right from its attack to elimination. Explain these stages. 5
13. Explain any *three* types of network attacks in detail. 5
14. Explain cryptography and overview of SSL handshake. 5

P. T. O.

[4]

MSEI-021

Section—D

Note : *Attempt 2 out of 3 long answer type questions.*

15. What is the difference between firewall intrusion detection system and intrusion prevention system ? 10
16. Operating system acts as a resource manager because it controls all components of the computer. Do you agree ? Explain in detail. 10
17. Give the *five* basic steps used by computer hackers to gain unauthorized access over a computer system. 10

MSEI-021