

**P.G. DIPLOMA IN INFORMATION SECURITY
(PGDIS)****Term-End Examination****December, 2015****MSEI-021 : INTRODUCTION TO INFORMATION
SECURITY***Time : 2 hours**Maximum Marks : 50*

- Note :** (i) **Section 'A'** - Answer *all* 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 question.

(Attempt **all** the questions)

1. It translate the program line by line : 1
(a) Interpreter (b) Compiler
(c) Executable code (d) Source code
2. _____ helps to block undesired internet traffic, from accessing your computer. 1
3. IDPS stands for _____. 1
4. To protect against malicious attacks, what should you think like ? 1
(a) Hacker (b) Network admin
(c) Spoofer (d) Auditor

5. DDOS stands for _____. 1
6. Hub concept is used in _____ topology. 1
 - (a) ring (b) star
 - (c) bus (d) tree
7. _____ memory uses a hard disk, to store parts of programs that are currently running and cannot fit in RAM. 1
8. URL stands for _____. 1
9. A _____ is a type of virus that neither replicates nor copies itself to anything. 1
10. DMZ stands for _____. 1

SECTION - B

Very short type questions.

(Attempt **all** the questions)

11. What is the difference between a threat agent and a threat ? 2
12. What do you understand by Port Redirection ? 2
13. Explain Phishing Attack. 2
14. What is anti-virus software ? Why it is used ? 2
15. What do you understand by Operating System Hardening ? 2

SECTION - C

Short answer type questions.

(Attempt 2 out of 3 short type questions)

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|-----|--|---|
| 16. | Explain any three types of network attacks in detail. | 5 |
| 17. | Explain ISO - OSI model with diagram and explain each layer in brief. | 5 |
| 18. | Explain the concept of Information Security and describe its principles. | 5 |

SECTION - D

Long answer type questions.

(Attempt 2 out of 3 questions)

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|-----|---|-----|
| 19. | Explain the types of operating systems with examples. | 10 |
| 20. | Explain the basic security threats and their corrective measures in detail. | 10 |
| 21. | Write a short note on the following : | 5+5 |
| | (a) Half Duplex and Full duplex mode. | |
| | (b) Cyber Crime | |
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