| **MSEI-021**

P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination

MSEI-021 : INTRODUCTION TO INFORMATION SECURITY

Time : 2 Hours]   *[Maximum Marks : 50*

Note: Section A answer <u>all</u> the objective type questions.

Section B answer <u>all</u> the very short answer type questions.

Section C answer <u>any two</u> question out of three short answer type questions.

Section D answer <u>any two</u> questions out of three long answer type questions.

Section A

Objective type questions

(Attempt all the questions)

1. ICMP stands for   1

2. IPS stands for   1

3. N I M E stands for   1

4. .... translate the program line by line.   1

5. Hub concept used in .... topology.   1

6. .... memory uses a hard disk to store parts of programs that are currently running and cannot fit in Ram.   1

7. FTP stands for   1

8. Black hat hackers are the hackers known as Cyber Criminals. (a) True (b) False   1

9. .... helps to block undesired internet traffic from accessing your computer.   1

10. What is the size of IPv6?   1

Section B

Very short answer type questions

(Attempt all the questions)

11. What is a virus and what are its symptoms?   2

12. What is the difference between a threat agent and a threat?   2

13. Explain SAMBA   2

14. Differentiate between DOS and DDOS attacks. 2

15. Differentiate between interpreter and compiler. 2

Section C

Short answer type questions

(Attempt 2 out of 3 short answer type questions)

16. What is an operating system? Explain its functions and any two types of OS.   5

17. Explain ISO - OSI model with diagram and explain layers in brief.   5

18. What are the two methods for computing password?   5

Section D

Long answer type questions

(Attempt 2 out of 3 questions)

19. Explain the basic security threats and their corrective measures in detail.   10

20. What is Malware? What kind of precautions can be used to overcome the virus problem? 10

21. Write briefly about the signature based intrusion detection system. 10

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