MSEI-021

P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination

February, 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. NAT stands for _____ . *1*

2. SNMP stands for _____ . *1*

3. _____ allows file and print sharing between computers running Windows and Linux. *1*

4. _____ is the Linux file system used to format the hard disk nowadays. *1*

5. HTTPS Protocol works on the _____ layer of OSI model. *1*

6. MAC address is available on _____ layer of OSI. *1*

7. UTP stands for _____ . *1*

8. Which protocol is used behind ping command ? *1*

9. CSMA-CD stands for _____ . *1*

10. _____ involves following a person's movements across the Internet by posting messages on the bulletin boards frequented by the victim. *1*

SECTION B

*Very short answer type questions. Attempt **all** questions.*

11. What is Data Diddling ? Explain.   *2*

12. Write a short note on Fiber Optics.   *2*

13. Explain the concept of Circuit Switching.   *2*

14. What do you mean by Reconnaissance ? Explain.   *2*

15. What are the characteristics of computers ? Explain.   *2*

SECTION C

*Short answer type questions. Attempt **two** out of three questions.*

16. Explain Firewall. What are the types of Firewalls ?   *5*

17. Explain the terms Data Repositories and Email Services.   *5*

18. Differentiate between Star topology and Tree topology with diagrams.   *5*

SECTION D

*Long answer type questions. Attempt **two** out of three questions.*

19. What is the difference between Virtual Storage and Cache Memory ? Explain Data Integrity and its types. *10*

20. What is the SNMP Management Framework ? Explain all four. *10*

21. What are the types of operating systems ? Explain any four. *10*

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