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P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination, 2019

MSEI-021 : INTRODUCTION TO INFORMATION SECURITY

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

Note : Section 'A'- Answer **all** objective type questions. **Section 'B'-** Answer all very short answer type questions. **Section 'C'-** Answer **any two** questions out of 3 short answer type questions. **Section 'D'-** Answer **any two** questions out of 3 long answer type questions.

SECTION-A

Objective Type Questions

(Attempt All the Questions)

1. Which of the following malicious program do not replicate automatically ? [1]

   (a) Trojan Horse   (b) Virus

   (c) Worm   (d) Zombie

2. The pattern that can be used to identify a virus is known as : [1]

    (a)   Stealth

    (b)   Virus signature

    (c)   Armoured

    (d)   Multipartite

3. CMIP stands for _____. [1]

4. Data Encryption are done on _____ of OSI model. [1]

5. NIC stand for _____. [1]

6. An assembler is _____ dependent. [1]

7. IDPS stands for _____. [1]

8. A script kiddie is an unskilled user who downloads automated attack software to attack computers. [1]

    (a)   True   (b)   False

9. The term "exploit" means to take advantage of a vulnerability. [1]

    (a)   True   (b)   False

10. Because NAS operates at the file system level, NAS security cannot be implemented through the standard operating system security features. [1]

(a) True   (b) False

SECTION-B

Very Short Answer Type Questions

(Attempt All the Questions)

11. Explain Phishing Attack. [2]

12. Differentiate between Interpreter and compiler. [2]

13. What is the difference between Grey Hat Hackers and Black Hat Hackers ? [2]

14. What is virus and how it replicate ? [2]

15. Differentiate between Internet and Extranet. [2]

SECTION-C

Short Answer Type Questions

(Attempt 2 Out of 3 Short Type Questions)

16. What are the two methods for computing passwords ?[5]

17. Explain cryptography and overview of SSL handshake.[5]

18. What are the key steps that every company implementing an information security management system should consider that ? [5]

SECTION-D

Long Answer Type Questions

(Attempt 2 Out of 3 Questions)

19. Differentiate between threats, attacks and vulnerabilities with the help of examples of each. [10]

20. What is cryptanalysis ? Explain in brief "differential" and "linear cryptanalysis". [10]

21. Information security is multi-divisional and multi-disciplinary in nature. Do you agree ? Explain in details. [10]

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