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OSEI–041

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

December, 2024

OSEI–041 : 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)

Note : Attempt all the questions. 1 each

1. How are viruses spread ?
   (a) Garbled information
   (b) Install antivirus
   (c) Downloading infected programmes and files from Internet
   (d) Through firewalls

2. A stateful firewall maintains a ..... , which is a list of active connections.
   (a) stable table
   (b) connection table
   (c) routing table
   (d) bridging table

3. GID stands for ..... .
   (a) Group Identification
   (b) Graphico Intrusion Detection
   (c) Group Integrated Devices
   (d) Google ID

4. The translation of data into a secret code is known as ..... .

   (a) Data Encryption
   (b) Decryption
   (c) Hacking
   (d) None of the above

5. Hackers often gain entry to a network by pretending to be at a legitimate computer. This is termed as ..... .

   (a) ID theft
   (b) IP spoofing
   (c) Forging
   (d) Spoofing

6. Which of the following is not a type of virus ?

   (a) Boot Sector
   (b) Multipartite
   (c) Trojans
   (d) Polymorphic

7. Creating strong computer security to prevent computer crime usually simultaneously helps to protect :

   (a) Personal ethics

(b) The number of cookies downloaded to your personal computer

(c) Personal space

(d) Privacy rights

8. NAT stands for ..... .

(a) Network Addressing Translator

(b) Network Advance Translator

(c) Network Active Translator

(d) None of the above

9. What does SSL stand for ?

(a) Secure Secret Layer

(b) Secure Socket Layer

(c) Secured Section Layer

(d) None of the above

10. Security procedures :

(a) are prohibitively expensive.

(b) are inaccessible for the average home user.

(c) can reduce but not all eliminate risk.

(d) will eliminate all computer security risk.

Section—B

(Very Short Answer Type Questions)

Note : Attempt all the questions. 2 each

11. Write some useful tricks to make a strong password.

12. Explain Domain Name System.

13. Explain the term Trojans.

14. What is Cipher text ?

15. What are the categories of Cryptographic Protocol ?

Section—C

(Short Answer Type Questions)

Note : Attempt any *two* out of three questions.

5 each

16. Explain the role of security protocols.

17. Discuss the role of computer auditor and scope of computer audits.

18. What are 'computer worms' ? How are they different from 'computer viruses' ?

Section—D

(Long Answer Type Questions)

Note : Attempt any *two* out of three questions.

10 each

19. What is authentication mechanism ? Explain in detail.

20. What do you understand by 'Anti-Piracy Tools' ? What is the process of securing downloading from Internet ?

21. What is an Information Security blueprint ? Identify its major components and explain how it supports the information security programme.

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