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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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