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OSEI-041

**ADVANCED CERTIFICATE IN
INFORMATION SECURITY
(ACISE)**

Term-End Examination

December, 2025

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** out of three short answer type questions.*

Section D : *Answer any **two** out of three long answer type questions.*

Section—A

Note : Attempt all objective type questions.

1. SSL stands for 1
2. IPS stands for 1
3. Peer-to-Peer and client-server are two types
of 1
4. Packet filtering is done in layer of
OSI model. 1
5. Data encryption are done on layer of
OSI model. 1
6. A hacker contacts you by phone or e-mail
and attempts to acquire your password. This
is termed as 1
7. VoIP stands for 1
8. NTFS stands for 1
9. The translation of information into a secret
code is known as 1
10. SMTP stands for 1

Section—B

Note : Attempt all the very short answer type questions.

11. What is Information Theft ? 2
12. Explain the difference between vulnerability and exposure. 2
13. What do you understand by Botnets ? 2
14. What are Antivirus and Worms ? 2
15. Discuss Software Piracy. 2

Section—C

Note : Attempt any two out of three short answer type questions.

16. Explain how Port Scanner is different from Vulnerability Scanner tool. 5
17. What do you understand by cryptographic protocol ? Explain with the help of suitable examples. 5

18. What is a firewall ? Explain its functions in detail. Discuss the types of firewall. 5

Section—D

Note : Attempt any two out of three long answer type questions.

19. Describe vulnerabilities in information security with the explanation of any three Malicious Attacks. 10
20. What are data recovery techniques ? Generate the computer security audit checklist. 10
21. “E-mails are great source of virus.” Do you agree ? Explain in detail. 10

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