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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.

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P. T. O.

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

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Section—B

Note : *Attempt all the very short answer type questions.*

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| 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.*

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|--|---|
| 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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