

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

Term-End Examination

June, 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 out of three short answer type questions.

Section D : Answer any two out of three long Answer type Questions.

SECTION-A

Attempt all the questions :

- 1. GUI stands for 1

- 2.testing is basically done in order to check how fast and better the application can recover against any type of crash or other failure etc. 1
 - (a) Recovery Testing
 - (b) Regression Testing
 - (c) Scenario Testing
 - (d) Smoke Testing
- 3.are the optical storage. 1
 - (a) USB
 - (b) CDs, DVD
 - (c) Ethernet
 - (d) None of these
- 4. Which of the following is Public key cryptographic algorithm.
 - (a) COMSET
 - (b) Diffie-Hellman
 - (c) Elgamal
 - (d) None of these
- 5. CRC stands for 1
- 6. are the programs that run independently and travel from computer to computer across network connection.

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[3]

OSEI-041

- (a) Worms
(b) Trojan horse
(c) DOS
(d) None of these
7. SSID stands for 1
8. GIF stands for 1
9. is the result of encryption performed on plain text using algorithm. 1
(a) Data
(b) Ciphertet
(c) Message
(d) Medium
10. Who is the father of computer security ? 1
(a) August Kerckhoffs.
(b) Bob Thomas
(c) Robert
(d) None of these

SECTION-B

Attempt all the questions :

11. What is Denial of Service ? 2

[4]

OSEI-041

12. What is Beta testing ? 2
13. Describe Data Recovery ? 2
14. Write a short note on Data Storage security ? 2
15. What is algorithm ? Explain features of algorithm ? 2

SECTION-C

Attempt two out of three questions

16. What is social engineering attack ? Explain in detail.
17. Write down key element of a secure software life cycle process. 5
18. How can we optimize the backup process ? Explain it. 5

SECTION-D

Attempt two out of three questions :

19. What is virus ? Explain the various techniques used in antivirus software. 10
20. Describe atleast six important Information Security Testing tools. 10
21. What are the three requirement which need to be addressed to secure network connectivity ? Explain. 10

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