

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

Term-End Examination

December, 2023

OSEI-041 : INFORMATION SECURITY

Time : 2 Hours

Maximum Marks : 50

Note : (i) **Section A** : Answer all the objective type questions.

(ii) **Section B** : Answer all the very short answer type questions.

(iii) **Section C** : Answer any **two** questions out of the three short answer type questions.

(iv) **Section D** : Answer any **two** questions out of the three long answer type questions.

Section—A

Note : Attempt all the questions.

1. testing is a style of testing that focuses on retesting after changes are made. 1

(a) Regression testing

- (b) Volume testing
 - (c) Recovery testing
 - (d) Smoke testing
2. CIA stands for 1
3. is a service that captures changes to data to a separate storage location. 1
- (a) Continuous Data Backup
 - (b) Integrity
 - (c) Shoulder surfing
 - (d) Spoofing
4. CRC stands for 1
5. Which of the following is not public key cryptography algorithm ? 1
- (a) Elgamal
 - (b) RSA
 - (c) Diffie-Hellman
 - (d) DSA
6. are the malicious programs or software code hidden inside what looks like a normal program. 1
- (a) DOS
 - (b) Trojan horse
 - (c) Password cracking
 - (d) None of the above

7. RSA stands for 1
8. HTTPS stands for 1
9. JPEG stands for 1
10. is the result of decryption performed on ciphertext using an algorithm. 1
 - (a) Ciphertext
 - (b) Plaintext
 - (c) Medium
 - (d) Error

Section—B

Note : *Attempt all the questions.*

11. What is Identity spoofing ? 2
12. What is alpha testing ? 2
13. Which is better approach for file backup : complete or partial ? Explain. 2
14. Write a short note on physical security. 2
15. What is Ciphertext ? 2

Section—C

Note : *Attempt two out of three questions.*

16. What is shoulder surfing ? 5
17. What is white box testing ? Explain any *three* in detail. 5
18. Discuss any *three* benefits of PC auditing. 5

Section—D

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

19. Explain in detail *three* goals of Information Security. 10
20. Describe any *five* steps to keep your wireless network secure. 10
21. Write the functions of the firewall with diagram. 10