

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

Term-End Examination

June, 2025

OSEI-044 : SERVER SECURITY

Time : 2 Hours

Maximum Marks : 50

Note : *This question paper is divided into four Sections.*

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

Section-A

Note : Attempt all the questions. 1×10=10

1. Typically, can receive application data from any application layer protocol, but the protocol is normally HTTP.
 - (a) TLS
 - (b) SSL
 - (c) Either (a) or (b)
 - (d) Both (a) and (b)
2. uses the idea of certificate trust levels.
 - (a) PGP
 - (b) KDC
 - (c) X509
 - (d) None of the above
3. Which of the following is considered to be the destination host before translation ?
 - (a) Outside global
 - (b) Inside global
 - (c) Outside local
 - (d) Inside local

4. What protocol does PPP use to identify the Network Layer Protocol ?
 - (a) LCP
 - (b) HDLC
 - (c) ISDN
 - (d) NCP
5. Where is a hub specified in OSI model ?
 - (a) Application layer
 - (b) Data link layer
 - (c) Physical layer
 - (d) Session layer
6. A provides privacy for LANs that must communicate through the global internet.
7. CSRF stands for
8. is attempting to gain access to a system by using a false identity.
9. is a layer between the physical hardware of the computer and operating system.
10. WAPI stands for

Section-B

Note : Attempt all the questions. 5×2=10

11. Write a short note on Bluetooth Attack tools.
12. Explain the properties of a secure software.
13. Explain the purpose of a device driver. List various types of device drivers.
14. Discuss the SSL-handshake protocol.
15. What is e-mail spoofing ?

Section-C

Note : Attempt any **two** out of three short answer type questions. 2×5=10

16. What is software standard specification ? Explain.
17. What is Vulnerability ? Describe XSS attack.
18. How to implement wireless security measures ?

Section-D

Note : Attempt **two** out of three long answer type questions. 2×10=20

19. What is IDS ? Explain Intrusion Detection and Prevention System (IDPS) with example.

20. What is Botnet ? How can Botnets impact you ? How to prevent your computer becoming a part of a Botnet ?
21. Define multifactor authentication. Which factors are generally taken for MFA ?

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