

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

Term-End Examination

December, 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 objective type questions.

10×1=10

1. When displaying a webpage, the application layer uses the
 - (a) SMTP Protocol
 - (b) HTTP Protocol
 - (c) FTP Protocol
 - (d) None of the above
2. The translates internet domain and host names to IP address.
 - (a) Routing Information Protocol
 - (b) Domain Name System
 - (c) Internet Relay Chat
 - (d) Network Time Protocol
3. What is Wired Equivalent Privacy (WEP) ?
 - (a) Security algorithm for USB Communication
 - (b) Security algorithm for Ethernet
 - (c) Security algorithm for Wireless Networks
 - (d) None of the above

4. What is the maximum header size of an IP Pocket ?
- (a) 60 bytes
 - (b) 32 bytes
 - (c) 64 bytes
 - (d) 30 bytes
5. File virus attaches itself to the :
- (a) Object file
 - (b) Executable file
 - (c) Source file
 - (d) All of the above
6. Pocket Sniffers involve
- (a) Passive receiver
 - (b) Active receiver
 - (c) Both of the above
 - (d) None of the above
7. are attempts by individuals to obtain confidential information from you by falsifying their identity.
- (a) Spyware scams

- (b) Phishing trips
 - (c) Phishing scams
 - (d) Computer viruses
8. SMTP is used to deliver messages to
- (a) User's mailbox
 - (b) User's terminal
 - (c) Both of the above
 - (d) None of the above
9. Which of the following is considered to be the destination host before translation ?
- (a) Outside local
 - (b) Inside global
 - (c) Inside local
 - (d) Outside global
10. Which protocol does PPP use to identify the Network Layer Protocol ?
- (a) LCP
 - (b) HDLC
 - (c) ISDN
 - (d) NCP

Section-B

Note : Attempt all the very short answer type questions. 5×2=10

11. Write a note on Eudora Internet Mail Server.
12. Explain the SSL handshake protocol.
13. What is the security concern in WAP ?
14. What is Web Server and Application Security ?
15. Write a short note on Repudiation.

Section-C

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

16. What is software standard specification and code comment requirement ?
17. What is vulnerability ? Describe XSS attack.
18. Explain the types of Wireless Network.

Section-D

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

19. Write the steps to apply a patch. Explain the issues while creating software patches. Why is configuration testing of patches important ?
20. Explain SSH and Kerberos in detail.
21. Explain the characteristics of firewall implementation for providing security.

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