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 ?

× × × × ×