

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

Term-End Examination

December, 2024

OSEI-044 : SERVER 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** 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.

10×1=10

1. Which of the following is independent malicious programme that need not any host programme ?
 - (a) Worm
 - (b) Virus
 - (c) Trojan horse
 - (d) Trap doors
2. One security protocol for the e-mail system is
 - (a) PGP
 - (b) IPSec
 - (c) SSL
 - (d) None of the above
3. Which of the following is a form of DOS attack ?
 - (a) Connection flooding
 - (b) Vulnerability attack
 - (c) Bandwidth flooding
 - (d) All of the above

4. Pocket sniffers involve
 - (a) Passive receiver
 - (b) Active receiver
 - (c) Both of the above
 - (d) None of the above
5. programmes can be used to accomplish functions indirectly that an unauthorized user could not accomplish directly.
 - (a) Logic Bomb
 - (b) Trojan Horses
 - (c) Worm
 - (d) Zombie
6. What is the default port number for Apache and most web servers ?
 - (a) 87
 - (b) 80
 - (c) 27
 - (d) 20
7. 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

8. software are programmes that are installed onto your computer and can scan and remove known viruses which you may have contracted.
- (a) Antivirus
 - (b) Keylogger
 - (c) Adware
 - (d) Firmware
9. is an approach to restricting system access to authorized users.
- (a) Job-based access control
 - (b) Role-based access control
 - (c) Process-based access control
 - (d) None of the above
10. File virus attaches itself to the
- (a) Executable file
 - (b) Object file
 - (c) Source file
 - (d) All of the above

Section—B

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

11. What is the security concern in WAP ?
12. What is SPF and how can it prevent spoofed e-mail from being delivered ?
13. What do you mean by BOTNET ?
14. Write the examples of Strong Passwords.
15. Describe Windows Defender.

Section—C

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

16. Explain Keyloggers and Sniffers.
17. Write the types of security attacks. Explain in detail about various types of attack.
18. What is the difference between physical data security and software-based data security ?

Section—D

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

19. What is the need of firewall ? Explain, what is application layer firewall in detail.
20. Write a descriptive note on wireless security issues. What are the different types of Wireless Technology ?
21. Discuss essentials of patch management policy and practices on the server. Also discuss software patches.

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