

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

**Term-End Examination**

**June, 2018**

**OSEI-044 : SERVER SECURITY**

*Time : 2 hours*

*Maximum Marks : 50*

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- Note :** (i) *Section-A : Answer all the objective questions.*  
(ii) *Section-B : Answer all the very short answer type questions.*  
(iii) *Section-C : Answer 2 out of 3 short answer type questions.*  
(iv) *Section-D : Answer 2 out of 3 long questions.*
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**SECTION - A**

(Attempt all the questions)

1x10=10

1. In computer security \_\_\_\_\_ means that the information in a computer system can only be accessible for reading by authorized parties.  
(A) Confidentiality (B) Integrity  
(C) Availability (D) Authenticity
2. The \_\_\_\_\_ is code that recognizes some special sequence of input or is triggered by being run from a certain user ID or by unlikely sequence of events.  
(A) Trap doors (B) Trojan horse  
(C) Logic bomb (D) Virus

3. A \_\_\_\_\_ is a program that can infect other programs by modifying them, the modification includes a copy of the virus program, which can go to infect other programs.  
(A) Worm (B) Virus  
(C) Zombie (D) Trap doors
4. \_\_\_\_\_ is a collection of protocols designed by the IETF to provide security for a packet at the network level.  
(A) IPSec (B) SSL  
(C) PGP (D) None
5. One security protocol for the e-mail system is \_\_\_\_\_.  
(A) IPSec (B) SSL  
(C) PGP (D) None
6. What command is used to count the total number of lines, words, and characters contained in a file ?  
(A) count w (B) w count  
(C) wc (D) count p
7. If you need to duplicate the entire disk, which command will you use ?  
(A) Copy (B) Diskcopy  
(C) Chkdsk (D) Format
8. \_\_\_\_\_ is an approach to restricting system access to authorized users.  
(A) Role-based access control  
(B) Process-based access control  
(C) Job-based access control  
(D) None

9. When an attempt is to make a machine or network resource unavailable to its intended users, the attack is called :
- (A) DOS Attack (B) Slow read attack  
(C) Spoofed attack (D) Starvation attack
10. Access matrix model for user authentication contains :
- (A) A list of objects  
(B) a list of domains  
(C) a function which returns an object's type  
(D) All

**SECTION - B**

(Attempt all the very short answer type questions)

**2x5=10**

11. Write the examples of strong passwords. **2**
12. What is DNS spoofing ? **2**
13. What do you mean by eavesdropping ? **2**
14. What is intrusion detection ? **2**
15. Explain what is authorization ? **2**

**SECTION - C**

(Attempt 2 out of 3 short answer type questions) **5x2=10**

16. Write the types of security attacks. Explain in detail about various types of attack. **5**
17. Write the defenses against hacking. **5**
18. What behaviors-network traffic, system events-signal an active threat ? **5**

**SECTION - D**

(Attempt 2 out of 3 long questions) **10x2=20**

19. How do users prevent and protect themselves against malwares ? **10**
  20. Explain the characteristics of firewall implementation for providing security. **10**
  21. Explain active and passive attacks with examples. **10**
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