

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

**Term-End Examination**

**June, 2017**

**OSEI-044 : SERVER SECURITY**

*Time : 2 hours*

*Maximum Marks : 50*

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- 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 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)**

**10x1=10**

1. The pattern that can be used to identify a virus is known as :
  - (a) Stealth
  - (b) Virus signature
  - (c) Armoured
  - (d) Multi partite
  
2. The internal code of any software that will set of a malicious function when specified conditions are met, is called :
  - (a) Logic bomb
  - (b) Trapdoor
  - (c) Code stacker
  - (d) None of the above

3. What is Internet ?
  - (a) a single network
  - (b) a vast collection of different networks
  - (c) Inter connection of LAN
  - (d) None
  
4. Which one of the following protocol is not used in Internet ?
  - (a) HTTP
  - (b) DHCP
  - (c) DNS
  - (d) None
  
5. What command is used to remove files ?
  - (a) dm
  - (b) rm
  - (c) delete
  - (d) none
  
6. Which of the following command is used to create a linux installation boot floppy ?
  - (a) mkboot disk
  - (b) bootfp disk
  - (c) dd and rawwrite
  - (d) dd and rawrite
  
7. What is the access point (AP) in wireless LAN ?
  - (a) Device that allows wireless devices to connect to a wired network
  - (b) Wireless devices itself
  - (c) Both (a) and (b)
  - (d) None
  
8. In wireless ad-hoc network :
  - (a) AP is not required
  - (b) AP is must
  - (c) Nodes are not required
  - (d) None

9. What is Wired Equivalent Privacy (WEP) ?
- (a) Security algorithm for ethernet
  - (b) Security algorithm for wireless network
  - (c) Security algorithm for USB communication
  - (d) None
10. What is WPA ?
- (a) Wi-Fi protected access
  - (b) Wired protected access
  - (c) Wired process access
  - (d) Wi-Fi process access

### SECTION - B

(Attempt all five very short answer type questions)

11. Describe SMTP and POP 3 protocol. 5x2=10
12. Explain SQL injection and phishing attack.
13. What is port scanning ?
14. List the parameters that define an SSL session state.
15. Describe Network Intrusion detection system.

### SECTION - C

(Attempt 2 out of 3 long questions) 2x5=10

16. Explain SOAP and WSDL with example.
17. What is penetration testing ? Why penetration testing is important ?
18. Explain the types of wireless network.

## SECTION - D

(Attempt 2 out of 3 long questions) 2x10=20

19. Write the steps to apply a patch. Explain the issues while creating software patches. Why configuration testing of patches is important ?
  
  20. List down the seven main types of security testing as per open source security testing methodology manual.
  
  21. Write short notes on the following :
    - (a) Backdoors and Trapdoors
    - (b) CSS attack
    - (c) SSL session
    - (d) Vulnerability
    - (e) Port Scanning
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