

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

**Term-End Examination**

**December, 2022**

**OSEI-044 : SERVER SECURITY**

*Time : 2 hours*

*Maximum Marks : 50*

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**Note :**

*Section A : Answer **all** the objective type questions.*

*Section B : Answer **all** the very short answer type questions.*

*Section C : Answer any **two** out of three short answer type questions.*

*Section D : Answer any **two** out of three long answer type questions.*

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**SECTION A**

*Attempt **all** the questions.*

*10×1=10*

**1.** There are \_\_\_\_\_ major ways of stealing email information.

- (a) 2
- (b) 3
- (c) 4
- (d) 5

2. \_\_\_\_\_ is a famous technological medium for the spread of malware, facing problems of spam and phishing attacks.
- (a) Cloud
  - (b) Pen drive
  - (c) Website
  - (d) Email
3. Which of the following is **not** an appropriate method of defacing web server ?
- (a) Fetching credentials through MiTM
  - (b) Brute-Forcing Admin Password
  - (c) IP address spoofing
  - (d) DNS attack through cache poisoning
4. Which of the following is **not** an appropriate method of defacing web server ?
- (a) Mail server intrusion
  - (b) Web application bugs
  - (c) Web share misconfiguration
  - (d) Sessions Hijacking
5. Which among them has the strongest wireless security ?
- (a) WEP
  - (b) WPA
  - (c) WPA2
  - (d) WPA3
6. \_\_\_\_\_ is an old IEEE 802.11 standard from the year 1999.
- (a) WPA2
  - (b) WPA3
  - (c) WEP
  - (d) WPA

7. What is life cycle risk assessment ?
- (a) Risk assessment before the system has been deployed
  - (b) Risk assessment while the system is being developed
  - (c) All
  - (d) None
8. A system resource that has a value and has to be protected is known as
- (a) Asset
  - (b) Control
  - (c) Vulnerability
  - (d) None
9. \_\_\_\_\_ passwords are next level of security.
- (a) BIOS
  - (b) CMOS
  - (c) SMOS
  - (d) DOS
10. Find out, select and uninstall all \_\_\_\_\_ programs from your computer.
- (a) useful
  - (b) pre-installed
  - (c) unwanted
  - (d) utility

## SECTION B

*Attempt all **five** very short answer type questions. 5×2=10*

11. What is Kerberos ?
12. How secure is WEP ?
13. What is Cross-Site Request Forgery (CSRF) ?
14. What is SQL Injection ?
15. Why is Spam bad ?

## SECTION C

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

- 16.** What is email spoofing and spamming ?
- 17.** What do you see as challenges to successfully deploying/monitoring web intrusion detection ?
- 18.** How can one Block ports on Linux with Iptables ?

## SECTION D

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

- 19.** How does one implement wireless security measures ?
  - 20.** What are the different security extensions available for Linux ?
  - 21.** Write the types of security attacks. Explain in detail about various types of attacks.
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