

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

Term-End Examination

June, 2021

OSEI-044 : SERVER SECURITY

Time : 2 hours

Maximum Marks : 50

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.*

SECTION A

*Attempt **all** the questions.*

10×1=10

1. Mail access starts with the client when the user needs to download e-mail from the _____.

- (a) Mail Box
- (b) Mail Server
- (c) Mail Host
- (d) Internet

2. Data loss prevention is a strategy and control for ensuring end users do not send _____ data outside the corporate network.
- (a) sensitive
 - (b) mp4
 - (c) avi
 - (d) mp3
3. Which of the following is **not** an example of an Operating System ?
- (a) Windows 98
 - (b) BSD Unix
 - (c) Microsoft Office XP
 - (d) Red Hat Linux
4. A _____ is a small program embedded inside of a GIF image.
- (a) Web bug
 - (b) Cookie
 - (c) Spyware application
 - (d) Spam
5. An HTTP connection uses port _____ whereas HTTPS uses port _____ and invokes SSL.
- (a) 40; 80
 - (b) 80; 443
 - (c) 60; 620
 - (d) 620; 80

6. From the following, which is **not** a common file permission ?
- (a) Write
 - (b) Stop
 - (c) Execute
 - (d) Read
7. If you require that a user enters an administrator password to perform an administrative task, what type of user account should you create for the user ?
- (a) Administrator user account
 - (b) Standard user account
 - (c) Power user account
 - (d) None of the above
8. Which of the following statements is true regarding the built-in administrator account in Windows 7 ?
- (a) The built-in administrator account does not exist in Windows 7.
 - (b) The built-in administrator account is disabled by default in Windows 7.
 - (c) The built-in administrator account has no permission in Windows 7.
 - (d) None of the above

- 9.** WWW stands for _____.
- (a) World Wide Web
 - (b) Word Wide Web
 - (c) Work Wide Web
 - (d) None of the above
- 10.** Which of the following are forms of malicious attack ?
- (a) Theft of Information
 - (b) Modification of Data
 - (c) Wiping of Information
 - (d) All of the above

SECTION B

Attempt **all** the very short answer type questions. $5 \times 2 = 10$

11. What are Malicious Programs ?
12. What are Honeypots ?
13. Which OS do you feel is more secure, Linux or Windows ?
14. How does HTTPS make a website secure ?
15. What is Vulnerability ?

SECTION C

*Attempt any **two** out of three short answer type questions.*

2×5=10

- 16.** Briefly describe the process involved in cracking WEP.
- 17.** What do you see as the most critical and current threats affecting Internet accessible websites ?
- 18.** What is Security Testing ?

SECTION D

*Attempt any **two** out of three long answer type questions.*

2×10=20

- 19.** Define Penetration Testing. Why is it important ?

 - 20.** List down the seven main types of security testing as per Open Source Security Testing methodology manual.

 - 21.** What is Spamming ? What is DNS Spoofing ? Explain in detail.
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