

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

**Term-End Examination**

**June, 2021**

**OSEI-042 : SECURING INTERNET ACCESS**

*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 **two** out of three Short Answer Type questions.*

*Section D : Answer **two** out of three Long Answer Type questions.*

---

---

**SECTION A**

*Attempt **all** the questions.*

1. Device that can convert digital signal to analog signal is called \_\_\_\_\_ . 1
  
2. A protocol used to control the secure sending of data on the Internet is 1
  - (a) HTTP
  - (b) TCP/IP
  - (c) HTTPS
  - (d) SMTP

3. For sending an email, we generally use \_\_\_\_\_ server. 1
4. \_\_\_\_\_ is a piece of software which enhances another application software and usually cannot run independently. 1
5. There are \_\_\_\_\_ layers in the OSI model. 1
6. What is Wired Equivalent Privacy (WEP) ? 1
- (a) Security algorithm for USB communication
  - (b) Security algorithm for ethernet
  - (c) Security algorithm for wireless networks
  - (d) None of the above
7. RSA is a \_\_\_\_\_ key cryptosystem. 1
8. CSIRT stands for \_\_\_\_\_ . 1
9. Ping command is based on \_\_\_\_\_ protocol. 1
10. What is the name for the router that your PC uses to connect to your Internet Service Provider ? 1
- (a) Default Gateway
  - (b) IP address
  - (c) Backbone
  - (d) Loopback Address

## SECTION B

Attempt ***all*** the very short answer type questions.

11. Discuss fraudulent charge-back schemes. 2
12. Explain Uniform Resource Identifier. 2
13. How does one get infected with spyware ? 2
14. What is a computer security incident ? 2
15. What are the advantages of cookies with respect to the speed of the Internet ? 2

## SECTION C

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

- 16.** Explain the terms Cyber Forensics and Digital Evidence. 5
- 17.** Classify cyber crimes depending on the victim. Briefly describe each of them. 5
- 18.** How is a web service activated ? 5

## SECTION D

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

- 19.** How can one prevent and report credit card fraud or identity theft? 10
- 20.** What are the security issues in the social networking sites? 10
- 21.** Explain web services security standards in detail. Also discuss the threats and attacks with respect to session management. 10
-