OSEI-042

ADVANCED CERTIFICATE IN

INFORMATION SECURITY (ACISE)

Term-End Examination

June, 2020

OSEI-042 : SECURING INTERNET ACCESS

Time : 2 Hours   *Maximum Marks : 50*

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

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

Section—A

Note : Attempt all objective type questions.

1. Digital signature cannot provide for the message :   1

   (a) Integrity

   (b) Authentication

   (c) Non-repudiation

   (d) Confidentiality

2. A protocol used to control the secure sending of data on the internet is :   1

   (a) HTTP

   (b) HTTPs

   (c) TCP/IP

   (d) SMTP

3. In computing the web .... history refers to the list of web pages a user has visited recently.   1

4. 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

5. Risk assessment is the various techniques which minimise the risk to other people.   1

(a) True

(b) False

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. Data security threats include :   1

   (a) Fraudulent manipulation of data

   (b) Hardware failure

   (c) Privacy invasion

   (d) All of the above

8. Device that can convert digital signal to analog signal is called   1

9. Password based authentication can be divided into two broad categories : .... and   1

   (a) Fixed, one-time

   (b) Fixed, variable time

   (c) Stamped; fixed

   (d) None of the above

10. A .... is anything that can cause harm.   1

   (a) Threat

(b) Spoof

(c) Vulnerability

(d) Phishing

Section—B

Note : Attempt all the very short answer type questions.

11. What is Digital Water Marking ?   2

12. Write a note on recommendations for secure wireless networks.   2

13. Write about the functions of firewall.   2

14. Explain frandulent charge back schemes.   2

15. What is bluetooth technology ?   2

Section—C

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

16. How does Credit Card fraud occur ?   5

17. Write the different methods used to detect and prevent the cyber attack.   5

18. Explain identity theft assistance.   5

Section—D

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

19. Explain the uses, advantages and disadvantages of cookies.   10

20. What is Phishing ? How does it work ? How a user can prevent him from being a victim of phishing attack ?   10

21. What is Cyber Crime ? Explain the classification of Cyber Crime.   10