OSEI-042

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

00964

June, 2019

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. When a DNS server accepts and uses incorrect information from a host that has no authority for giving that information, then it is called
    _____ .   *1*

    (a) DNS lookup

    (b) DNS hijacking

    (c) DNS spoofing

    (d) None of the above

2. Network layer firewall works as a _____ .   *1*

  (a) Frame filter

  (b) Packet filter

  (c) Both a and b

  (d) None of the above

3. Extensible authentication protocol is authentication framework frequently used in

  _____ .   *1*

  (a) Wired personal area network

  (b) Wireless networks

  (c) Wired local area network

  (d) None of the above

4. One of the protocols to provide security at application layer is _____ .   *1*

  (a) Pretty good privacy

  (b) Handshake protocol

  (c) Alert protocol

  (d) Record Protocol

5. _____ is the predecessor of TLS protocol.   *1*

6. FTP stands for _____ .   *1*

7. A _____ is a small program embedded inside of a GIF image. *1*

   (a) Web bug

   (b) Cookie

   (c) Spyware application

   (d) Spam

8. In the right setting a thief will steal your information by simply watching what you type. *1*

   (a) Snagging

   (b) Spying

   (c) Social engineering

   (d) Shoulder surfing

9. The _____ of a threat measures its potential impact on a system. *1*

   (a) Vulnerabilities

   (b) Counter-measures

   (c) Degree of harm

   (d) Susceptibility

10. A protocol used to control the secure sending of data on the Internet is _____ . *1*

   (a) SMTP

   (b) HTTPS

   (c) TCP/IP

   (d) HTTP

SECTION B

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

11. What is the role of OTP in online services ? 2

12. What are various cyber crimes that can happen against organizations ? 2

13. Write a short note on wireless technology. 2

14. What is SQL injection ? 2

15. What is bluetooth technology ? 2

SECTION C

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

16. Write a note on credit card frauds.   *5*

17. Explain two types of digital watermarking.   *5*

18. Write a short note on Laws for Internet Privacy Protection.   *5*

SECTION D

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

19. Write a note on public key infrastructure and cryptography. Also discuss the fail-stop protocols. *10*

20. Optimizing firewall security is an art unto itself. Do you agree ? Explain in detail. *10*

21. What are the precautions and alertness you will show and undertake to identify the fakeness of the website ? Explain in detail. *10*

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