OSEI-041

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

December, 2014

OSEI-041 : INFORMATION 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 questions out of three.

Section D : Answer any two questions out of three.

SECTION A

(Objective type questions)

Attempt all the questions.   *10×1=10*

1. What occurs when an organization uses software, that filters content to prevent the transmission of unauthorized information ?   1

    (a) Biometrics

    (b) Encryption

    (c) Firewalls

    (d) Content filtering

2. A _____ is anything that can cause harm. *1*

    (a) Vulnerability

    (b) Phish

    (c) Threat

    (d) Spoof

3. What floods a web-site with so many requests for service that it slows down or crashes the site ? *1*

    (a) Denial of service attack

    (b) Spoofing

    (c) Sniffer

    (d) None of the above

4. Before discarding a financial document, you should *1*

    (a) copy it

    (b) shred it

    (c) file it

    (d) post it

5. Hackers often gain entry to a network by pretending to be at a legitimate computer. This is termed as *1*

    (a) Spoofing

    (b) Forging

    (c) IP Spoofing

    (d) ID theft

6. A hacker contacts you by phone or e-mail and attempts to acquire your password. This is termed as

(a) Phishing

(b) Spoofing

(c) Spamning

(d) Bugging

7. To create a copy of files in the event of system failure, you create a   *1*

(a) restore file

(b) backup

(c) firewall

(d) redundancy

8. A _____'s main purpose is to prohibit unauthorized access to your computer via the Internet.   *1*

(a) Popup blocker

(b) Spyware blocker

(c) Spam assassin

(d) Firewall

9. People who are involved in doing cyber crimes
are known as   *1*

   (a) Designers

   (b) Administrators

   (c) Crackers

   (d) Developers

10. The phrase _____ describes viruses, worms,
Trojan horse, attack applets and attack scripts.   *1*

   (a) malware

   (b) spam

   (c) phish

   (d) virus

SECTION B

(Very short answer type questions)

11. Write short notes on the following :   *5×2=10*

    (a) Antivirus software

    (b) Wireless network security

    (c) Spyware

    (d) White box testing

    (e) Firewall

SECTION C

(Short answer type questions)

*Attempt any **2** out of 3 short answer type questions.*

2×5=10

12. Describe the functions of SMTP. *5*

13. What are the advantages of using information security to provide web security ? *5*

14. List the characteristics of a good firewall implementation. *5*

SECTION D

(Long answer type questions)

Attempt any 2 out of 3 long answer type questions.

2×10=20

15. Every enterprise must adopt a uniform security policy to ensure network security. Explain in detail. *10*

16. Explain the various ways and protocols that can be used to transmit information from one computer to another. *10*

17. E-mails are great sources of virus. Do you agree ? Explain in detail. *10*