

00322

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

December, 2015

OSEI-041 : INFORMATION SECURITY

Time : 2 hours

Maximum Marks : 50

- Note :** (i) *Section 'A' - Answer all the objective questions.*
(ii) *Section 'B' - Answer all the very short answer questions.*
(iii) *Section 'C' - Answer any two questions out of three.*
(iv) *Section 'D' - Answer any two questions out of three.*

SECTION - A

(Objective questions)

(Attempt all the questions)

1. An intentionally disruptive program that spreads from program to program or from disk to disk is known as : **1**
- (a) Trojan horse
(b) Virus
(c) Time bomb
(d) Time-related bomb sequence
2. What type of virus uses computer hosts to reproduce itself ? **1**
- (a) Time bomb (b) Worm
(c) Melissa virus (d) Macro virus

3. Software programs that close potential security breaches in an operating system are known as : 1
- (a) Security breach fixes
 - (b) Refresh patches
 - (c) Security repairs
 - (d) Security patches
4. What is the name of an application program that gathers user information and sends it to someone through the Internet ? 1
- (a) A virus
 - (b) Spybot
 - (c) Logic bomb
 - (d) Firewall, security patch
5. Hardware or Software designed to guard against unauthorised access to a computer network is known as : 1
- (a) Hacker - proof program
 - (b) Hacker - resistant server
 - (c) Encryption safe wall
 - (d) Firewall
6. Creating strong computer security to prevent computer crime usually simultaneously helps protect : 1
- (a) Privacy rights
 - (b) Personal ethics
 - (c) The number of cookies downloaded to your personal computer
 - (d) Personal space
7. Security procedures : 1
- (a) will eliminate all computer security risk
 - (b) can reduce but not all eliminate risk
 - (c) are prohibitively expensive
 - (d) are inaccessible for the average home user

8. What is a firewall in computer network ? 1
(a) The physical boundary of network.
(b) An operating system of computer network.
(c) A system designed to prevent unauthorized access.
(d) A web browsing software.
9. Which protocol is used in ping command ? 1
(a) TCP
(b) ICMP
(c) UDP
(d) None of the above
10. What does SSL stand for ? 1
(a) Secure Socket Layer
(b) Secured Section Layer
(c) Secure Secret Layer
(d) None of the above

SECTION - B

(Very short answer questions)

(Attempt **all** the questions)

11. Write some useful tricks to make a strong password. 2
12. Explain the process of data Recovery. 2
13. What is cipher text ? 2
14. What is difference between encryption and decryption ? 2
15. What is the difference between vulnerability and exposure ? 2

SECTION - C

(Short answer questions)

(Attempt 2 out of 3 questions)

16. What are the measures that may be taken for intrusion detection ? 5
17. Write a note on Social Engineering. 5
18. What are the differences between physical data security and software based data security ? 5

SECTION - D

(Long answer questions)

(Attempt 2 out of 3 questions)

19. Explain the difference between System Development Life Cycle (SDLC) and Security System Development Life Cycle (Sec SDLC). 10
 20. Explain the application of Biometrics technology in detail. 10
 21. What is protocol ? What is the need of protocol ? Differentiate between the hardware and software protocol ? 10
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