

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

Term-End Examination

June, 2012

00309

OSEI-041 : INFORMATION SECURITY

Time : 2 hours

Maximum Marks : 50

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- 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**.*
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SECTION - A

Objective type questions

(Attempt *all* the questions)

1x10=10

1. A firewall is a secure and trusted machine that sits between a private and public network. **1**
- (a) True (b) False
2. HTTP stands for : **1**
- (a) Hypertext Transfer Protocol
(b) Hypertext Transfer process
(c) Hypertext Tool Protocol
(d) None of the above

3. _____ is the software program used to control windows system over the network : 1
- (a) Back Orifice (b) Sub Seven
(c) Net Bus (d) Netcat
4. The software package which automatically plays, displays, downloads advertisements is known as : 1
- (a) Viruses (b) Worms
(c) Trojan horses (d) Adware
5. Collection of Information from social Network for making crime is known as : 1
- (a) Bribery
(b) Defamation
(c) Social Engineering
(d) Shoulder surfing
6. What does SSL stand for ? 1
- (a) Secure Socket Layer
(b) Secured Section Layer
(c) Secure Secret Layer
(d) All of the above
7. The translation of data into a secret code is known as : 1
- (a) Hacking (b) Data Encryption
(c) Decryption (d) None of the above

8. This type of hackers work for offensive and defensive purpose both as per their benefits : **1**
- (a) White Hat Hackers
 - (b) Black Hat Hackers
 - (c) Grey Hat Hackers
 - (d) All of the above
9. Which Protocol used in ping command ? **1**
- (a) TCP
 - (b) ICMP
 - (c) UDP
 - (d) None of the above
10. Tampering the computer source documents is an offence as per Indian IT Act 2000 under : **1**
- (a) Section - 65
 - (b) Section - 66
 - (c) Section - 67
 - (d) Section - 68

SECTION - B

Very short answer type questions 5x2=10

(Attempt *all* the questions)

11. What are the categories of cryptographic protocol ? 2
12. Write a short note on Information Security ? 2
13. What are the threats to IT Security ? 2
14. Explain the process of Data Recovery ? 2
15. Discuss software Piracy ? 2

SECTION - C

Short answer type questions 2x5=10

(Attempt 2 out of 3 short type questions)

16. Describe briefly the process to secure files and folders. 5

17. What do you understand by cryptographic protocol ? Explain with the examples. 5

18. Write all the commands to drop the mail by using telnet ? 5

SECTION - D

Long answer type questions 2x10=20

(Attempt 2 out of 3 long type questions)

19. What is Software assurance ? Describe the best practices for secure Software Development. Also mention the key elements of secure software life cycle process. 10

 20. Discuss in detail, how a computer system can be attacked. Also discuss the protection measures. 10

 21. What are protocol ? What is the need of protocols ? Differentiate between the Hardware and Software protocols ? 10
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