

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

00058

Term-End Examination

December, 2011

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. Which of these operating systems are available under open source ? **1**
- (a) Windows 7 (b) Ubuntu
(c) Red Hat (d) Windows 2003 Server
2. People who are involved in making cyber crimes are known as : **1**
- (a) Developers (b) Administrators
(c) Crackers (d) Designers

3. Deliberate destruction or manipulation of Data is known as : 1
- (a) Tampering (b) Hacking
(c) Cracking (d) Stealing
4. Malware is a category of malicious code that includes : 1
- (a) Viruses (b) Worms
(c) Trojan horses (d) All of the above
5. Protocol is a series of rules by which computing devices are able to communicate with each other : 1
- (a) True (b) False
6. What does WWW stands for ? 1
- (a) World Wide Web
(b) World Web Wide
(c) Web World Wide
(d) None of the above
7. White Hat Hackers are : 1
- (a) Option B and D
(b) The people who never indulge in cyber crimes
(c) Engaged in cyber crime
(d) Security professionals

8. The translation of data into a secret code is known as : 1
- (a) Data Decryption
 - (b) Data Encryption
 - (c) Data translation
 - (d) Data security
9. A computer Virus must : 1
- (a) Execute itself
 - (b) Delete the Data
 - (c) Replicate itself
 - (d) Option A & C
10. Publishing obscene information is an offence as per Indian IT Act under : 1
- (a) Section - 65
 - (b) Section - 66
 - (c) Section - 67
 - (d) Section - 68

SECTION - B

Very Short Answer type questions 5x2=10

11. What is Anti - Virus ? Mention any 3 Anti Viruses available in the market ? 2
12. What is IP Spoofing ? 2
13. What is Data Recovery ? Discuss any one method of data recovery. 2
14. What do you mean by Data Encryption ? 2
15. Who are the Hackers and Crackers ? How many types of Hackers are available in the industry ? 2

SECTION - C

Short Answer type Questions

2x5=10

(Attempt 2 out of 3 short type Questions)

16. How software security could be threatened ? 5
Describe the main reasons of due to which it happened.
17. What is PC Auditing ? Explain the benefits of PC 5
Auditing in detail.
18. What is a Firewall ? Explain its function in 5
detail. Discuss the types of Firewall.

SECTION - D

Long Answer type Questions

2x10=20

(Attempt 2 out of 3 Long type Questions)

19. How do you measure Software Security ? 10
Differentiate between Black Box Testing and White Box Testing.
20. Why Linux is better than Windows ? Explain in 10
detail. Mention the ways to secure windows operating system.
21. What is a Malware ? What are the types of 10
Malware ? How does it transmit over the internet ? What are the countermeasures one should take to secure the system from Malwares ?
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