OSEI-044

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

00094

December, 2014

OSEI-044 : SERVER 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 2 out of 3 short answer type questions.

Section D : Answer any 2 out of 3 long answer type questions.

SECTION A

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

1. Dovecot is an open source _____ and _____ server for Linux/Unix like systems, written primarily with security in mind.   *1*

2. _____ refers to sending e-mail to thousands and thousands of users similar to a chain letter.   *1*

3. _____ is a layer between the physical hardware of the computer and operating system. *1*

4. _____ is the most basic level of firewall security and is useful to many home or small business users in order to make their systems more secure. *1*

5. _____ is attempting to gain access to a system by using a false identity. *1*

6. _____ is the process of making a system or application unavailable. *1*

7. _____ is the unauthorized modification of data. *1*

8. CSRF stands for _____ . *1*

9. An e-mail collects information from each of the computers it passes through on the way to the recipient, and this is stored in the email's _____ . *1*

10. _____ hide themselves from the user, and provide the backdoor that enables remote control of the computer. *1*

SECTION B

Attempt all five very short answer type questions.   *5×2=10*

11. What is a Mail Server ?   *2*

12. What is SPF and how can it prevent spoofed e-mail from being delivered ?   *2*

13. Explain Device Drivers. List the types of Device Drivers.   *2*

14. Explain the subsystem of Linux Operating System.   *2*

15. Explain the properties of a secure software.   *2*

SECTION C

Attempt any 2 out of 3 short answer type questions.   *2×5=10*

16. Explain the different types of threats.   *5*

17. What do you understand by software security ? Explain the various Security Assessment Techniques.   *5*

18. What is E-mail Address Spoofing ? How does Spoofing work ?   *5*

SECTION D

Attempt any 2 out of 3 long answer type questions. 2×10=20

19. Write a descriptive note on wireless security issues. What are the different types of Wireless Technology ?   *10*

20. What is a Software Patch ? What are the types of Software Patches ?   *10*

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

    (a)   Ad hoc Networks

    (b)   Data Recovery

    (c)   Human Resource Requirements

    (d)   Static Code Analysis

    (e)   Change Management

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