No. of Printed Pages : 4

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

Term-End Examination

December, 2016

OSEI-044 : SERVER SECURITY

Time : 2 hours

00522

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Note :	(i)	Section-A : Answer all the objective type questions.
	(ii)	Section-B : Answer all the very short answer
		type questions.
	(iii)	Section-C : Answer 2 out of 3 short answer
		type questions.
	(iv)	Section-D: Answer 2 out of 3 long questions.

SECTION - A (Attempt all the questions)

1x10=10

1. Which of the following pieces of information can be found in the IP header ?

- (a) Source address of the IP Pocket
- (b) Destination address for the IP Pocket
- (c) Sequence number of the IP Pocket
- (d) Both (a) and (b)
- 2. Which of the following are application level encryption protocols that I would most likely use in secured online banking ?
 - (a) SSL and SET
 - (b) Verisign and SH1
 - (c) READY, SET and GO
 - (d) PGP, PEM and SSL

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Maximum Marks : 50

3. What is the standard IANA port number used for requesting Web Pages ?

(a)	80	(b)	53
(c)	21	(d)	25

4. Which of the following is/are Protocols of Application ?

(a)	FTP	(b)	DNS
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(c) TELNET (d) All of the above

5. What is the maximum header size of an IP Pocket ?

(a)	32 bytes	(b)	64 bytes
(a)	30 butes	(4)	60 butos

- (c) 30 bytes (d) 60 bytes
- 6. Which of the following is not the External Security threats ?
 - (a) Front door Threats
 - (b) Back door Threats
 - (c) Underground Threats
 - (d) Denial of service
- 7. When an attempt is to make a machine or network resource unavailable to its intended users, the attack is called :
 - (a) Dos attack
 - (b) Slow read attack
 - (c) Spoofed attack
 - (d) Starvation attack

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- 8. File virus attaches itself to the :
 - (a) Source file
 - (b) Object file
 - (c) Executable file
 - (d) All of the above
- 9. Wi-Fi means :
 - (a) Wireless Firewall
 - (b) Wireless Fidelity
 - (c) Wired Firewall
 - (d) Wired Fidelity
- 10. Wireless networking is secured enough.
 - (a) False
 - (b) True

SECTION - B

(Attempt all five very short answer type questions)

- 5x2=10
- **11.** What are the five principal services provided by PGP ?
- 12. How to prevent E-mail Spamming?
- 13. Explain the SSL handshake Protocol.
- 14 What is the Security concern in WAP?
- 15. What do you understand by cookies ?

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SECTION - C

(Attempt 2 out of 3 short answer type questions)

- 16. Explain web application attacks. 2x5=10
- 17. What is Vulnerability ? Describe XSS attack.
- **18.** Explain URL manipulation.

SECTION - D

(Attempt 2 out of 3 long questions) 2x10=20

- **19.** Explain SSH and Kerberos.
- 20. Despite the risks of viruses and malicious attacks, most Linux web servers are inadequately protected against intrusion. How would a company go about protecting their Linux web servers against intrusion ?
- **21.** Write short notes on the following :
 - (a) Wi-Fi
 - (b) Firewall
 - (c) SQL Injection Attack
 - (d) POSIX
 - (e) User space Vs Kernal space

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