

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

**Term-End Examination**

**December, 2016**

**OSEI-044 : SERVER SECURITY**

00522

*Time : 2 hours*

*Maximum Marks : 50*

- 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 Packet
  - (b) Destination address for the IP Packet
  - (c) Sequence number of the IP Packet
  - (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



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 ?

## 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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