

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

Term-End Examination

December, 2015

OSEI-044 : SERVER SECURITY

Time : 2 hours

Maximum Marks : 50

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- Note :** (i) *Section-A : Answer all the objective 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.*
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SECTION - A

(Attempt all the questions)

1x10=10

1. Which of the following IP addresses is a private IP address ?
(a) 12.0.0.1 (b) 168.172.19.39
(c) 192.168.42.34 (d) 172.33.194.30
2. Which of the following allows a router to respond to ARP request that is intended for remote host ?
(a) Gateway DP
(b) Reverse ARP (RARP)
(c) Proxy ARP
(d) Inverse ARP (IARP)

3. Which class of IP address provides a maximum of only 254 host addresses per network ID ?
- (a) Class A (b) Class B
(c) Class C (d) Class D
4. Which layer protocol is used for a Telnet Connection ?
- (a) IP (b) TCP
(c) TCP/IP (d) UDP
5. What protocol is used to find hardware address of local device ?
- (a) RARP (b) ARP
(c) IP (d) ICMP
6. Which of the following protocols uses both TCP and UDP ?
- (a) FTP (b) SMTP
(c) Telnet (d) DNS
7. Which of the following describe router function ?
- (a) Packet Switching
(b) Packet Filtering
(c) Path Selection
(d) All of the above
8. Acknowledgements, sequencing and flow control are characteristics of which OSI layer ?
- (a) Layer 2 (b) Layer 3
(c) Layer 4 (d) Layer 7

9. What type of RJ 45 UTP Cable is used between switches ?
- (a) Straight through
 - (b) Crossover Cable
 - (c) Crossover with CSU/DSU
 - (d) Crossover with a router in between two switches
10. Which switching technology reduces the size of broadcast domain ?
- (a) ISL
 - (b) 802.1 Q
 - (c) VLANs
 - (d) STP

SECTION - B

(Attempt all the very short answer type questions)

11. What is eavesdropping ? 2
12. What is virtual hosting on server ? 2
13. What are the function of window manager ? 2
14. Discuss about Apache Web Server. 2
15. What is the need of firewall ? 2

SECTION - C

(Attempt 2 out of 3 short answer type questions)

16. Discuss in detail about file system security. 5
17. What is unauthorized access with respect to wireless environment ? 5
18. What are the issues raise in Open Source Linux ? 5

SECTION - D

(Attempt 2 out of 3 long questions)

19. What are the software patches ? Explain their uses with example. 10
 20. Define the security attack. Explain in detail about various types of attack. 10
 21. Describe the various characteristics of good firewall implementation for providing security. 10
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