| OSEI-044 |

ADVANCED CERTIFICATE IN INFORMATION SECURITY (ACISE)

00873

Term-End Examination

December, 2017

OSEI-044 : SERVER SECURITY

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 answer type questions.

SECTION - A

(Attempt all the questions) 1x10=10

1. In computer security _____ means that computer system assets can be modified only by authorized parties.

   (A) Confidentiality

   (B) Integrity

   (C) Availability

   (D) Authenticity

2. The type of threats on the security of a computer system or network are _____.
   (i)   Interruption
   (ii) Interception
   (iii) Modification
   (iv) Creation
   (v)   Fabrication
   (A) (i), (ii), (iii) and (iv) only
   (B) (ii), (iii), (iv) and (v) only
   (C) (i), (ii), (iii) and (v) only
   (D) None

3. Which of the following is independent malicious program that need not any host program ?
   (A) Trap doors
   (B) Trojan horse
   (C) Virus
   (D) Worm

4. _____ programs can be used to accomplish functions indirectly that an unauthorised user could not accomplish directly.
   (A) Zombie   (B) Worm
   (C) Trojan Horses   (D) Logic Bomb

5. A _____ provides privacy for LANs that must communicate through the global internet.
   (A) VPP   (B) VNP
   (C) VNN   (D) VPN

6. Typically, _____ can receive application data from any application layer protocol, but the protocol is normally HTTP.
   (A) SSL
   (B) TLS
   (C) either (A) or (B)
   (D) both (A) and (B)

7. _____ uses the idea of certificate trust levels.
   (A) X509   (B) PGP
   (C) KDC   (D) None

8. When a DNS server accepts and uses incorrect information from a host that has no authority giving that information, then it is called _____.

   (A) DNS lookup   (B) DNS hijacking
   (C) DNS spoofing (D) None

9. Extensible authentication protocol is authentication framework frequently used in _____.

   (A) Wired personal area network
   (B) Wireless networks
   (C) Wired local area networks
   (D) None

10. What command is used to remove files ?
    (A) dm   (B) rm
    (C) delete   (D) erase

SECTION - B

(Attempt all the very short answer type questions)

2x5=10

11. What is a worm ?   2

12. How are viruses spread ?   2

13. What is social engineering attack ?   2

14. What are the functions of window manager ?   2

15. Give the loopholes of Linux.   2

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SECTION - C

(Attempt **2** out of **3** short answer type questions)

5x2=10

16. Discuss in detail about file system security. **5**

17. What is the difference between physical data **5** security and software-based data security ?

18. How do users prevent and protect themselves **5** against viruses ?

SECTION - D

(Attempt **2** out of **3** long answer type questions)

10x2=20

19. Write the types of security attacks. Explain in **10** detail about various types of attack.

20. What is need of firewall ? Explain what is **10** application layer firewall ? How to enable firewall in windows XP ?

21. What is email spoofing ? How to prevent the **10** spoofing emails ?

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