B. Sc. I.T. (Sem. VI) (CBCS) Examination
March / April - 2016
CS-32 : Network Management & Information Security
(New Course)

Faculty Code : 003
Subject Code : 004603

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Choose one answer for each question :   **20**

   (1)   Which is not attributing of the Information Security?

      (A)   Confidentiality   (B)   Availability

      (C)   Controlling   (D)   All of the above

   (2)   Mechanism to protect private networks from outside attack is -

      (A)   Firewall   (B)   Antivirus

      (C)   Digital signature   (D)   Formating

   (3)   What is unauthorized Access of resource?

      (A)   Resource Access without Permission

      (B)   Resource Access with User name and Password

      (C)   Get Free Resource Access

      (D)   (A) and (C) both

   (4)   Denial Service means _____

      (A)   File System Service

      (B)   Hardware Service

      (C)   TCP Segment Service

      (D)   None of the above

   (5)   _____ Error Reporting Protocol.

      (A)   ARP   (B)   ICMP

      (C)   TCP   (D)   UDP

(6) Impersonation means _____

   (A) Resource access by true user name and password

   (B) Resource Access by License

   (C) Resource Access by Hacking

   (D) None

(7) SNMP shorts for.......

   (A) Short network Mgt. protocol

   (B) Simple net. Mgt. protocol

   (C) Serial net. Mgt. protocol

   (D) Simple net. Mgt. process

(8) MIB stands for........

   (A) Micro info. base   (B) Macro info. base

   (C) Mgt. info. base   (D) Micro info. binary

(9) OSI model does not include...

   (A) Network layer   (B) Datalink layer

   (C) Physical layer   (D) Software layer

(10) _____ file that create server on client computer.

   (A) Cookie   (B) Virus File

   (C) Both of above   (D) None of these

(11) IPV4 contains

   (A) Octet stream   (B) Hex stream

   (C) Both of above   (D) None of these

(12) Ping is used to check

   (A) S/W availability   (B) User availability

   (C) Machine availability (D) Domain availability

(13) _____ means to replace the senders IP address from packets header.

   (A) Spoofing   (B) Logic Bomb

   (C) Buffer Overflow   (D) None of the above

(14) _____ is asynchronous notification from agent to manager.

   (A) Trap   (B) Warning

   (C) Message   (D) None of the above

(15) _____ algorithm transforms ciphertext to plaintext.

    (A) encryption   (B) Decryption

    (C) either (A) and (B)   (D) nither (A) and (B)

(16) _____ is a one kind of virus.

    (A) Bacteria   (B) IKE

    (C) either (A) and (B)   (D) neither (A) and (B)

(17) ARP stands for _____

    (A) Address Resolution Protocol

    (B) Access Resource Protocol

    (C) Access Remote Protocol

    (D) None

(18) Private key and public key is...

    (A) Anti-virus Software   (B) Firewall

    (C) Both of above   (D) Algorithm

(19) VPN stands for...

    (A) Virtual private network

    (B) Visual private network

    (C) Virtual public network

    (D) Visual public network

(20) IKE shorts for...

    (A) Inter key enhance   (B) Internet key exchange

    (C) Initial key exchange   (D) Inter key enter

2   (a)   Attempt the following : (any **three**)   6
    (1)   Explain Trojan horses.
    (2)   Describe MIB.
    (3)   Write a note on ARP.
    (4)   Explain Buffer overflow.
    (5)   Describe Brute force attack.
    (6)   Write a note on parental control on internet.

(B) Attempt the following : (any **three**)   9
    (1) Write a note on security policies.
    (2) Describe SNMP.
    (3) Explain DNS.
    (4) Write a note on Syn Flood.
    (5) Describe RSA.
    (6) Explain digital certificate.

(c) Attempt the following : (any **two**)   10
    (1) Describe attributes of information security.
    (2) Write a note on network mgt. system.
    (3) Explain OSI layers.
    (4) Write a note on types of biometric authentications.
    (5) Describe firewall.

3 (a) Attempt the following : (any **three**)   6
    (1) Explain Trap doors.
    (2) Describe logic bomb.
    (3) Write a note on RARP.
    (4) Explain IP spoofing.
    (5) Describe dictionary attack.
    (6) Write a note on Web tracking.

(b) Attempt the following : (any **three**)   9
    (1) Write a note on impersonation.
    (2) Describe UDP.
    (3) Explain Cross over error rates.
    (4) Write a note on ICMP.
    (5) Describe single sign on.
    (6) Explain IKE.

(c) Attempt the following : (any **two**)   10
    (1) Describe Cookies.
    (2) Write a note on TCP.
    (3) Explain VPN technology.
    (4) Write a note on Message confidentiality.
    (5) Describe Network security procedure.