

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2004-05 & thereafter)

SUBJECT CODE : CA/MC/NA54

B.C.A. DEGREE EXAMINATION – NOVEMBER 2007
FIFTH SEMESTER

REG. NO. : _____

COURSE : MAJOR CORE
PAPER : NETWORK APPLICATIONS
TIME : 20 MINUTES

MAX. MARKS : 20

TO BE ANSWERED ON THE QUESTION PAPER ITSELF:

SECTION – A

(20X1=20)

Choose the best answer:

1. Modification attacks can be
 - a) replay attacks
 - b) alteration of messages
 - c) DOS attacks
 - d) both (a) and (b)
2. The layer which is concerned with the format of data exchanged between peers is
 - a) Data link layer
 - b) Physical layer
 - c) presentation layer
 - d) application layer
3. Stateless protocols are
 - a) HTTP
 - b) TCP
 - c) UDP
 - d) both (a) and (c)
4. Ethernet uses
 - a) Star Topology
 - b) Bus Topology
 - c) Ring Topology
 - d) Mesh Topology
5. Firewall is a
 - a) Hardware or Software
 - b) Hardware
 - c) Software
 - d) Network
6. Finger protocol is based on
 - a) SMTP
 - b) PPP
 - c) CLNP
 - d) TCP
7. NFS protocol originally designed by
 - a) IBM
 - b) SUN
 - c) MAC
 - d) MS
8. An apple talk address was a
 - a) 4 byte quantity
 - b) 6 byte quantity
 - c) 8 byte quantity
 - d) 16 byte quantity

- 9. Transaction services provides
 - a) Data transformation algorithms
 - b) Request-response processing
 - c) Application services
 - d) none of the above

- 10. Internet bandwidth is measured in
 - a) Kbps
 - b) Mbps
 - c) Gbps
 - d) Both (a) and (b)

Fill in the blanks :

- 11. _____ attacks are those where in the attacker indulges in eavesdropping or monitoring of data transmission.
- 12. _____ protocol provides the basic electronic mail facility.
- 13. MAC stands for _____.
- 14. _____ is a computer network tool used to test whether a particular host is reachable across a IP.
- 15. Asynchronous Transfer Mode uses _____ sized packets.

Say True or False :

- 16. Fabrication causes DOS Attacks
- 17. Remote procedure call cause a subroutine to execute in same address space.
- 18. Two hosts in two different networks can have the same host ID.
- 19. WAIS is a web browser.
- 20. SMTP is text based protocol.



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**COURSE : MAJOR CORE
PAPER : NETWORK APPLICATIONS
TIME : 2 HOURS & 40 MINUTES** **MAX. MARKS : 80**

SECTION – B (8X5=40)

ANSWER ANY EIGHT OF THE FOLLOWING QUESTIONS:

1. Give the principles of Network Security? Discuss.
2. Explain about types of threats in networks.
3. Explain about the address classes.
4. Explain how FTP is used to connect to the server and transfer files across the network.
5. Explain briefly about the NFS.
6. Explain the significance of Routers.
7. Write about the Apple Talk.
8. Explain about the Network Architecture.
9. Explain how to configure a client with a network?
10. How to plan a network for optimum use?

SECTION – C (4X10=40)

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS:

11. Explain in detail about the firewalls.
12. Explain in detail about the TCP/IP architecture.
13. Discuss about the DNS and the role of domain administrator.
14. Explain the following
 - a) WHOIS
 - b) FINGER
15. Explain in detail about the Netware (IPX/SPX)
16. Briefly discuss about the ATM.

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