

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2008-09)

SUBJECT CODE: CS/PC/NA24

M.Sc. DEGREE EXAMINATION, APRIL 2009
SECOND SEMESTER

COURSE : MAJOR CORE
PAPER : NETWORK MANAGEMENT AND ADMINISTRATION
TIME : 3 HOURS MAX. MARKS: 100

SECTION - A

ANSWER ALL THE QUESTIONS: (10 x 2 = 20)

1. What is a client server network?
2. What is the difference between hub and the router?
3. What is DHCP? Write one of its advantages.
4. What are the hardware requirements of windows 2003 server?
5. Why should we use the defragmentation tool?
6. How will you share a printer?
7. What does ping command do?
8. What is the main functionality of domain name systems?
9. Give any two disadvantages of wireless LAN.
10. Give any two innovative applications of Bluetooth.

SECTION - B

ANSWER ANY FIVE QUESTIONS: (5 x 6 = 30)

11. Describe briefly OSI model.
12. Describe briefly any 6 features of windows 2003 server.
13. Explain the strategies for disaster recovery in windows 2003 server.
14. A customer has been given an IP address of 128.100.0.0 (a Class B address) for his company. He has specified that he requires 3 separate networks with the maximum possible number of host connections on each network. Calculate the IP addresses of the networks using sub netting.

15. Discuss the role of the domain controllers.
16. What is cellular internet access? Compare it with Wi-Fi.

SECTION - C

ANSWER ANY FIVE QUESTIONS:

(5 x 10 = 50)

17. Assume you as the system administrator of a company and you are asked to plan for a computer lab with 50 machines. Design and substantiate your plan on topology, servers (if any) and Wired/Wireless connections.
18. Describe how active directory services of windows 2003 are used to manage users and groups.
19. Explain the TCP/UP tools in detail.
20. Explain NTFS and compare it with FAT 32.
21. Explain TCP/IP architecture model of windows 2003 server.
22. Explain 802.11 Architecture in detail.
23. Anything that works on electricity can be networked. Bill Gates lives in a smart house where all the electrical appliances are remote controlled. Design your future smart home network and show the various technologies involved.
