

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted during the academic year 2009– 10 & thereafter)**  
**SUBJECT CODE: CS/PC/NA14**

**M.Sc. DEGREE EXAMINATION, NOVEMBER 2010**  
**INFORMATION TECHNOLOGY**  
**FIRST SEMESTER**

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

**Section A**

**Answer all questions.**

**10 x 2 = 20**

1. List the topologies of networks.
2. What are the classes of service primitives?
3. List the windows server 2003 editions.
4. What are the hardware requirements of windows server 2003
5. Define defragmentation. List the files that are never defragged.
6. What are the basics of printing.
7. What are the features of TCP/IP?
8. What is DNS?
9. List the three standards of WiFi ,their frequency range and data rate.
10. What is encapsulation?

**Section B**

**Answer any Six of the following.**

**6 x 5 = 30**

11. Discuss connection oriented and connectionless services.
12. Explain the types of networks.
13. Explain the installation of windows server 2003 using CD.
14. Explain the features of FAT and FAT32.
15. What is backup? What are the types of backup?
16. Explain the containers used in windows server 2003.
17. Explain the following:
  - a. Classes of IP address
  - b. Special IP address.
18. Discuss piconet.

**Section C**

**Answer any Five of the following.**

**5 x 10 = 50**

19. Explain in detail the various transmission media.
20. Explain in detail the OSI reference model.
21. Explain in detail the themes for desktop.
22. Explain the following:
  - a. Requirements of password.
  - b. Strong passwords
  - c. Maximum and minimum password age
  - d. Negative side effects of resetting passwords
  - e. IPV6
23. Explain the configuration of TCP/IP in network devices.
24. Explain in detail the Ping tool, Tracert of IP config of TCP/IP..
25. Explain in detail the architecture of 802.11.

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