LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

THIRD SEMESTER – NOVEMBER 2009

CS 3816 - NETWORK PROGRAMMING

Date & Time: 10/11/2009 / 9:00 - 12:00   Dept. No.   Max. : 100 Marks

PART – A

ANSWER ALL THE QUESTIONS: 10X2=20

1. List out the functions of a keyboard microprocessor.
2. Write down the procedure for installing CD-ROM driver.
3. What is flow control?
4. Write any 2 types of broadcast addresses.
5. Define the term ARP.
6. Draw the format of ICMP segment structure.
7. Define the term three way handshake.
8. List out the mechanisms of congestion control
9. Draw the sequence of mail gateways store and forward email message.
10. Write any four types of HTTP result codes.

PART – B

ANSWER ALL THE QUESTIONS: 5X8=40

11. a) Write short notes on network cabling?

(Or)

11. b) List out the different types of network topologies with an example.

12. a) Write brief notes on Packet Internet Gopher.

(Or)

12. b) How Tracert works? Explain with an example.

13. a) List down the difference between ARP and RARP.

(Or)

13. b) What is DHCP? Explain with a necessary diagram.

14. a) Differentiate between UDP and TCP.

(Or)

14. b) Explain in brief about FIFO queuing.

15. a) Explain in short about SNMP with an example.

(Or)

15.b) Explain in brief about file transfer protocol.

PART – C

ANSWER ANY TWO QUESTIONS: 2X20=40

16. a) Discuss in detail about network devices.
    b) Explain OSI reference model in detail

17. a) What is ICMP? Explain in detail about ICMP with an example.
    b) Write about the mechanism of congestion avoidance.

18. a) How domain name system is used? explain with an example .
    b) Write about your understandability of network programming with real time example.

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