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MCA semester-IV

Subject Code: MC 23   Subject Name: Networking Technologies-II

Date: 15th May 2014   Time: 10:00 am to 1:00 pm   Total Marks: 50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q-1 Answer the following questions.   [10]
    1   Define Computer Network. Discuss business applications of Computer Network.
    2   Explain the ARP Protocol Format.

Q-2 [A] Answer the following questions.   [05]
    1   Differentiate between half duplex and full duplex channel.
    2   What do you mean by RARP?
    3   Explain CIDR Notation.
    4   Differentiate Direct and Indirect Delivery.
    5   Define Loopback Address.

[B] Answer the following questions.   [05]
    1   Write a short note on Class Full Addressing.
    2   Explain Connectionless Delivery System.
               [OR]
    1   Write a Short Note on: Internet Datagram.
    2   Explain the ICMP Message Format.

Q-3 Answer the following questions.   [10]
    1   Write a Short note on Format of UDP Messages.
    2   Explain Passive and Active Opens.
               [OR]
    1   Explain SMTP Protocol.
    2   Write a Short note on BOOTP Message Format.

Q-4 Answer the following questions.   [10]
    1   Explain the Working and Advantage of Virtual Private Networks.
    2   What is the Need of Dynamic Host Configuration?
               [OR]
    1   Explain the Purpose of Domain Name System in Detail.
    2   Explain the Various Mobile IP Characteristics.

Q-5 Answer the following questions.   [10]
    1   Write a Short note on : HTTP
    2   Explain the TFTP, FTP and NFS in brief.
               [OR]
    1   Explain The Format of DHCP Message.
    2   Explain the TELNET Protocol.

--------------All the Best---------------