Subject Code—0393-X

M. C. A. (Fourth Year) EXAMINATION

(Five Year Integrated Course)

(Prior to 2009 batch Re-appear)

COMPUTER NETWORKS-II

MCA-405

Time : 3 *Hours*   *Maximum Marks :* 100

Section A

Note : Attempt any *Seven* questions.   **7×7=49**

1. What is the difference between broadcasting and multicasting with respect to TCP/IP internetworking ?

2. Define different Network Topologies.

3. Discuss IPv6 addressing.

4. Discuss about two-cross problem in mobile IP multicasting.

5. What is a firewall ? How does it work ?

6. Write a short note on routers.

7. Discuss the need of high speed networks.

8. Discuss about Socket Interface.

9. What is the need of ARP ?

10. Compare and contrast a circuit-switched network and a packet-switched network.

Section B

Note : Attempt all the questions. **17×3=51**

11. With neat diagram, explain TCP in detail.

Or

What is Routing ? Explain RIP routing protocol with example.

12. Explain IPv6 features and its header format in detail.

Or

What is Switching ? Explain Packet switching with example.

13. Explain RTP with its header format.

Or

Write short notes on the following :

(a) Video conferencing

(b) Single user networked applications.