MCA–140	MCA–15

M.C.A. DEGREE EXAMINATION — JANUARY, 2009.

Third Semester/Second Year

COMPUTER NETWORKS

Time : 3 hours   Maximum marks : 75

Answer for 5 marks question should not exceed 2 pages.

Answer for 10 marks questions should not exceed 5 pages.

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.   Explain about protocol Hierarchies in Network.

2.   Explain about Metropolitan Area Networks.

3.   Discuss about Fiber Cable.

4.   Write short notes on Medium-Earth Orbit Satellites.

5.   Write short notes on Framing.

6. Write short notes on the channel allocation problem.

7. Write short notes on Berkeley sockets.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Describe the functions of different layers in the OSI reference model.

9. Discuss about the following communication media :

    (a) Broad Band Co-axial Cable.

    (b) Twisted Pair.

10. Explain the public switched Telephone Network.

11. Explain about error detection and correction codes. Give example.

12. Explain about Bluetooth.

13. Discuss about Elements of Transport Protocols.

14. Compare static web and dynamic web documents.

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