

**MCA-765**

**MCA-15**

**M.C.A. DEGREE EXAMINATION —  
JUNE, 2010.**

**Second Year**

**COMPUTER NETWORKS**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. Discuss about protocol hierarchies.
2. Explain about Modem.
3. Write about connection – oriented and connectionless services.
4. Discuss Application Layer in VSENET.
5. Write notes on Fiber Optics technology.
6. Write short notes on transport protocols.
7. List out ISDN services.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain OSI Reference model of Network architecture with Block diagram.
  9. Describe various switching schemes.
  10. Discuss about Satellite Networks.
  11. Explain Data Link Layer services to Network Layer.
  12. Discuss about Broadcast Routing and Hierarchical Routing.
  13. Draw a neat block diagram of ISDN architecture and explain.
  14. Explain two IEEE design approaches for designing bridges between LANs.
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