

MCA-425	MCA-15
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**M.C.A. DEGREE EXAMINATION –
JUNE 2009.**

Third Semester / Second Year

COMPUTER NETWORKS

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define computer network and explain its usage.
2. Compare OSI and TCP/IP reference models.
3. Define switching and explain switching techniques.
4. Short notes about coaxial cable.
5. Write notes on Error control.
6. Discuss about Carrier Sense Multiple Access Protocols.
7. Discuss about Distance Vector Routing.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Describe the function of different layers in the OSI reference model.
 9. Explain about communication satellites.
 10. Explain about data link layer design issues.
 11. Explain the MAC layer for medium access.
 12. Explain multicast routing and link state routing algorithms.
 13. Discuss about transport service primitives.
 14. With a neat diagram discuss the DNS.
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