

UG-421

BCA-10

**U.G. DEGREE EXAMINATION —
JANUARY, 2009.**

(AY 2004-05 batch onwards)

Second Year

B.C.A.

COMPUTER NETWORK

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. What are the differences between broadcasting and multicasting?
2. List the functions performed by the presentation layer of the OSI model.
3. Explain FDM.

4. Explain IEEE 802.3 LAN standards.
5. Write short notes on Routers.
6. List down the standards of Modems.
7. What are various types of ATM connections?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Illustrate the OSI/ISO reference model.
9. Explain the working of Transmission media.
10. Explain in detail IEEE 802.4 and 802.5 LAN standards.
11. What are the design issues of network layer? Explain.
12. Discuss in detail about Ethernet MAC sub layer protocol.
13. Explain in detail the protocols in the Transport Layer.
14. Draw and explain the structure of an ATM cell.