

UG-424

BCA-13

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

(AY 2004–05 batch onwards)

Third Year

B.C.A.

TCP/IP PROGRAMMING

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 is DNS? Discuss the need for the same.
2. What is RARP? Discuss.
3. What is an IP address? Give example.
4. How is connection established in TCP? Discuss the same briefly.
5. Explain briefly about Ethernet.

6. Write brief note on UDP.
7. Explain the usage of TCP/IP over ATM networks.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about TCP/IP layering.
9. Explain in detail Client Server Model.
10. Explain in detail about Subnet Addressing.
11. Discuss the different classes of IP address with examples.
12. Illustrate the features of TCP in detail.
13. Explain in detail UDP Port Numbers.
14. Write short notes on the following :
 - (a) Features of UDP.
 - (b) Internet Multi Casting.