UG–494          BSCS–23

# B.Sc. DEGREE EXAMINATION – DECEMBER, 2018.

## Third Year

## TCP/IP Programming

Time : 3 hours                    Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.    Write short note on DNS Message format.

2.    Write briefly about internet address structure and components.

3.    Give brief discussion about TCP header.

4.    Write short note on UDP features.

5.    Write short note on address format and classes with neat diagram.

6.    Discuss in brief about link state protocol.

7.    Write note on the Two ATM connection paradigms.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain TCP/IP protocol suite with neat architecture diagram.

9. Give discussion on IP features and mechanisms in detail.

10. Discuss TCP concepts in detail.

11. Explain Protocol independent multicast.

12. Discuss multicast forwarding and routing information in detail.

13. Explain the following.

   (a) Features of TCP.

   (b) Closing a TCP connection.

14. Give an elaborate discussion about ATMARP packet format.

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