

MAY 2012

**P/ID 17466/
RCS/PCAM**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What are protocols and standards? Discuss.

Or

- (b) Write notes on network topology.

2. (a) Write notes on isochronous communication.

Or

- (b) What is the function of MODEM? Explain.

3. (a) How is multiplexing advantageous? Discuss.

Or

- (b) Compare connection oriented and connectionless services

4. (a) Write notes on ISDN channels.

Or

- (b) Describe the working principle of token bus.

5. (a) Write notes on bridges.

Or

- (b) Define the terms web site, web page, web server, URL and home page.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Draw the layers of OSI model and briefly describe their functions.
7. Write notes on DTE and DCE.
8. Describe the features of unguided media.
9. Write notes on IEEE 802.6 and SMDS.
10. Describe the types of packet switching and compare their merits and demerits.
11. Write notes on ATM.
12. Write notes on B-ISDN.
13. Describe the application layer of TCP/IP network.