

OCTOBER 2012

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

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Write notes on network topology.
Or
(b) Describe line configuration.
2. (a) Write notes on DTE and DCE.
Or
(b) Write about MODEMS.
3. (a) Write about the performance of ethernet.
Or
(b) How is multiplexing done in telephone system?
4. (a) Write notes on features of B-ISDN.
Or
(b) Write about X.25 protocol.

5. (a) Write notes on routers and gateways.

Or

(b) What are the functions of application layer of TCP/IP?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Describe the OSI layered model.
7. Classify the various types of networks and write about their features.
8. Write notes on error detection techniques.
9. Compare FDM, ADM and TDM.
10. Write notes on token bus and SMDS.
11. Describe the layers of ISDN.
12. Describe ATM protocol.
13. Explain the layers of TCP/IP.