

MAY 2013

P/ID 17419/RBX

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Explain the application of networks.

Or

(b) Discuss on point to point channels.

2. (a) Write notes on communication satellites.

Or

(b) Discuss on packet switching.

3. (a) Discuss on framing.

Or

(b) Describe an unrestricted simplex protocol.

4. (a) Write notes on Deadlocks.

Or

(b) Explain Shortest path routing algorithm.

5. (a) Write notes on Transport layer addressing.

Or

- (b) Discuss on Stream encryption.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain OSI reference model.
7. Discuss on network structures.
8. Write notes on :
- (a) Baseband coaxial cable.
- (b) Broadband coaxial cable.
9. Explain ISDN system architecture.
10. **Write** brief notes on data link layer design issues.
11. Explain about Error correcting codes.
12. Explain the various congestion control algorithms.
13. **Write** brief notes on cryptography.