

OCTOBER 2011

P/ID 17419/RBX

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Write notes on applications of networks.
Or
(b) Explain in detail about Network Architecture.
2. (a) Explain the various network topologies.
Or
(b) Compare and contrast the functions and features of circuit switching and packet switching.
3. (a) Discuss the design issues of data link layer.
Or
(b) Describe various error detection mechanisms.
4. (a) Illustrate any two routing algorithms with an example.
Or
(b) Explain the procedure for preallocation of buffer and packet discarding.

5. (a) How to establish and release a connection?
Discuss.

Or

- (b) Write notes on Arpanet and its functions.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Write an overview about OSI reference model.
7. Explain in detail various means of transmission media.
8. Discuss the functions of sliding window protocols.
9. Write detailed notes on elementary data link protocols.
10. Describe the design issues of network layer.
11. Give detailed description about multiplexing.
12. Explain the various classes of addressing.
13. Discuss the design issues of transport layer.