

DECEMBER 2014

P/ID 17514/PCASP

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Write notes on LAN.
2. Write down the various applications of internet and its predecessors.
3. Discuss on framing in data link layer design issue.
4. Write notes on radio transmission.
5. Discuss on unrestricted simplex protocol.
6. Write notes on flooding.
7. What are the various classes of IP addresses? Explain.
8. Discuss on transposition cipher in cryptography.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain OSI reference model.
10. Explain the various transmission media for data communication.

11. Design the structure of the telephone system.
 12. Explain about communication satellites.
 13. Explain any four multiple access protocols.
 14. What is meant by an ALOHA protocol? Explain with an example.
 15. Discuss the various congestion control algorithms.
 16. Explain link state routing.
 17. Explain transport layer connection establishment.
 18. Discuss in detail about the elements of transport protocol.
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