

**7218/A33**

**OCTOBER 2008**

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**COMPUTER NETWORKS**

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Time : Three hours                      Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Write the uses of computer networks.
2. Discuss about WAN.
3. Explain Time Division switches.
4. Write the concept of pure ALOHA.
5. Explain the bit stuffing framing method.
6. Write about 802.5, the token ring.
7. Give the internal organization of network layer.
8. Write about transport layer QOS parameters.

9. Explain substitution ciphers.
10. Write about e-mail privacy.
- PART B -- (4 × 10 = 40 marks)
- Answer any FOUR questions.
11. Discuss the critique of the OSI model and protocols.
12. Explain the ATM network in detail.
13. Explain the multiple access protocols in detail.
14. Discuss the network layer design issues.
15. Describe the elements of transport protocols.
16. Explain two fundamental cryptographic principles.
- PART C -- (2 × 15 = 30 marks)
- Answer any TWO questions.
17. Draw and explain the ISO OSI reference model in detail.
18. Explain :
- (a) Collision-free protocols.
- (b) Limited contention protocols.
19. Explain the authentication protocols.