

Code.No: 07A6EC08

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SET-1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
III B.TECH II SEM–REGULAR/SUPPLEMENTARY EXAMINATIONS MAY - 2010
COMPUTER NETWORKS

(Common to CSE, IT, CSSE, E.COMP.E)

Time: 3hours

Max.Marks:80

Answer any FIVE questions
All questions carry equal marks

- 1.a) Explain the reference model of Novell Network.
- b) Explain about the critique of the OSI Model and its protocols. [8+8]
- 2.a) What is the purpose of cladding in an optical fiber?
- b) Discuss its density relative to the core. [8+8]
- 3.a) Explain about 1-bit sliding window protocol.
- b) Explain about High level Data Link Control. [8+8]
- 4.a) Explain the operation of a LAN bridge from 802.3 to 802.4.
- b) Explain about Token Ring. [8+8]
- 5.a) Explain about Link State routing.
- b) Distinguish between connection oriented and connectionless services. [8+8]
6. Explain the various reasons for congestion. Differentiate between open loop and closed loop congestion control. [16]
- 7.a) Explain TCP segment header with a neat header format.
- b) Explain about congestion control in ATM networks. [8+8]
- 8.a) Explain about the two-way authentication using a challenge response protocol.
- b) Explain about the SNMP. [8+8]

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