R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, December - 2014
COMPUTER NETWORKS
(Common to ECE, EIE, BME)

Time: 3 Hours   Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

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1.a) Explain the TCP/IP reference model.
  b) Define the terms Analog signal and Digital signal.

2.a) Discuss about unguided transmission media in detail.
  b) What is multiplexing? How does frequency division multiplexing work?

3.a) What are the different types of error detection methods? Explain CRC error detection technique with an example.
  b) Explain about the sliding window in detail.

4.a) Explain about wireless LANs.
  b) What are the common Fast Ethernet implementations?

5.a) Briefly explain the architecture of Bluetooth.
  b) Write short notes on
     i) Star backbone
     ii) Gateway
     iii) Frame relay.

6.a) With an example explain Address Resolution Protocol.
  b) Discuss the two styles of internetworking.

7.a) Define UDP and discuss the different fields of the format of a user datagram.
  b) How are congestion control and quality of service related?

8.a) Explain DNS in internet.
  b) Explain about electronic mail and FTP.

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