Code No: F3302

R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA III Semester Examinations, January/February 2012
COMPUTER NETWORKS

Time: 3hours   Max.Marks:60

Answer any five questions
All questions carry equal marks

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1.a) Give the physical description and limitations of different unguided media.
  b) Explain TCP/IP layered architecture in detail.

2.a) Explain HDLC protocol in detail.
  b) Explain cyclic redundancy code algorithm with numerical example.

3.a) Explain binary exponential back off algorithm of Ethernet LAN.
  b) Explain efficiency calculation of IEEE 802.3 LAN.

4.a) Explain about IGMP.
  b) Write about tunneling.

5.   Explain the different congestion control strategies in TCP.

6.a) Write about DNS in detail.
  b) Explain FTP.

7.a) Explain any one of the uni-cast routing protocol.
  b) Explain the address classes of network layer.

8.   Write short notes on the following:
      a) Multiplexing
      b) Flow control of data link layer

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