R09

Code No: C6102, C6502
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations, March/April 2011
INTERNET WORKING
(COMMON TO COMMUNICATION SYSTEMS, WIRELESS & MOBILE COMMUNICATIONS)
Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
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1 a) What are the different versions of wired Ethernet. Explain it briefly.
 b) Differentiate between repeaters, bridges, routers, and hubs.   [12]

2. a) What are the various types of classes and blocks. Explain with neat diagram.
  b) How to create subnets from a block of classless IP addresses. With neat diagram.
                                                                                     [12]
3. a) What do you Understand the Transmission control protocol transition state diagram.
      Explain it.
  b) Explain how the snooping will work in classical Transmission control protocol with
     neat diagram.   [12]

4. a) Explain how the Initial routing tables in path vector routing in unicasting routing
      protocol. With neat diagram.
  b) What are the applications of multicasting routing protocol?   [12]

5. With help of neat sketch explain the following
  a) Core-Based Tree Protocol.
  b)   DVMRP.   [12]

6. a) Explain how a name or address is resolved in the domain name system.
  b) What is the role of NVT in a TELNET communication?   [12]

7. a) Differences between FTP and TFTP
  b) What do you understand about the TFTP flow and error control? Explain it. [12]

8. a) What is the roles of SMI and MIB in network management? Explain it,
  b) Difference between an internet and an extranet.   [12]

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