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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