

Code No: C8207, C7808**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I SEMESTER EXAMINATIONS, APRIL/MAY-2012****TCP-IP PROTOCOL SUITE****(COMMON TO COMPUTER NETWORKS, COMPUTER NETWORKS & INFORMATION
SECURITY)****Time: 3hours****Max. Marks: 60****Answer any five questions
All questions carry equal marks**

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- 1.a) Explain the steps taken when a TCP connection is closed.
- b) Explain the steps taken when a TCP connection is established.
- c) Write briefly on the differences between TCP and UDP.
2. Write in detail different TCP/IP protocols and their applications.
- 3.a) Write in detail classful and classless internet addressing.
- b) Write in detail the relevance of network byte ordering.
- 4.a) What is the protocol that is used to implement network booting in diskless clients? Explain in detail on that protocol.
- b) Write in detail the purpose of IP.
5. Explain the client server model of developing TCP/IP applications using socket programming.
6. Write in detail SMTP protocol and SNMP Protocols.
7. Write in detail different routing protocols and their applications.
8. Write short notes on:
 - a) BOOTP
 - b) TELNET.

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