Code: ICT 07A7EC19

ICT

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013

NETWORK PROGRAMMING
(Computer Science and Engineering)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Describe there-way handshake protocol for establishing TCP connection.
  (b) Summarize the protocol usage of various common internet applications.

2 (a) Describe the internet socket address structure.
  (b) Discuss how concurrent servers differ from an iterative server. Explain the way to write a concurrent server.

3 (a) Write the program for concurrent TCP echo server.
  (b) List and describe the steps involved in the normal termination of client and server.

4 (a) Describe get sockopt and set sockopt functions.
  (b) Explain the socket options processes by IPV 4.

5 (a) Give the summary of UDP client/server from client's perspective.
  (b) Discuss the effect of UDP not having any flow control.

6 (a) Describe gethost byname function in detail.
  (b) Explain obselete IPV 6 address lookup functions.

7 (a) What is the purpose of record locking? Explain fcntl () record locking facility.
  (b) Mention the purpose of message queues. Explain any three message queue functions.

8 (a) List and describe the terminal modes.
  (b) Discuss how to write RPC programs.

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