

Code: R7410501

B.Tech IV Year I Semester (R07) Supplementary Examinations December 2015

NETWORK PROGRAMMING

(Common to CSE & IT)

(For 2008 Regular admitted batch only)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain how TCP connection is established.
(b) Give a brief note on protocol usage by common internet application.
- 2 (a) What is a socket? Explain its address structure.
(b) Describe the function of the following primitives:
(i) Bind. (ii) Connect. (iii) Listen. (iv) Fork.
- 3 (a) Discuss about signal handling in TCP echo server.
(b) Briefly explain crashing and rebooting of server.
- 4 Write notes on the following functions:
(a) Select.
(b) Shutdown.
(c) Poll.
(d) Setsockopt.
- 5 Write a program to illustrate the function of UDP echo server.
- 6 (a) What is the purpose of DNS? Explain in detail.
(b) Explain resolver option in detail.
- 7 Discuss system V IPC mechanisms in detail.
- 8 (a) Give a note on terminal line disciplines.
(b) List and explain RPC transparency issues.
