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Code No: A2502
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations, March/April 2011
UNIX NETWORK PROGRAMMING
(SOFTWARE ENGINEERING)

Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
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1.   Give the commands for each of the following utilities and explain each briefly.
      a) Process utilities
      b) Disk utilities
      c) Networking utilities.   [12]

2.   What are the various Standard I/O System Calls in UNIX? Explain each in detail. [12]

3.   Explain the concepts of threads in UNIX in detail.   [12]

4.   Discuss in detail about Inter-Process Communication between processes on different
      systems.   [12]

5.   Discuss in detail about Unix System V Messages.   [12]

6.   Discuss in detail about Unix System V Semaphores.   [12]

7.   Give detailed note of the following.
      a) Socket System Calls for Connection-Oriented Protocols.
      b) Socket System Calls for Connectionless Protocols.   [12]

8.   Elaborately describe the Remote Procedure Call Model.   [12]

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