Computer Networks Lab BE-IT 2nd Year 2nd Semester

Assignments: Network tools & Socket Programming

- 1. Learn the following network commands (in Linux platform) with suitable options (if applicable):
 - a. ifconfig
 - b. traceroute
 - c. ping
 - d. dig
 - e. telnet
 - f. nslookup
 - g. netstat
 - h. scp
 - i. w
 - j. nmap
 - k. ifup/ifdown
 - 1. route
 - m. host
 - n. arp
 - o. ethtool
 - p. iwconfig

- q. system-config-network
- r. bmon
- s. ssh
- t. tcpdump
- u. dstat
- v. dhclient
- w. nload
- x. iftop
- y. ip
- z. route
- aa. iptables
- bb.sftp
- cc. socat
- dd.rsync
- ee. wget
- ff. curl
- 2. Write the following socket programs in C/C++ for communicating between two machines (as client and server) connected in a network:
 - a. Stream socket
 - b. Datagram socket
 - c. Raw/unnamed socket