

# Assignment 1

**Problem 1:** Study the following advanced linux commands. You may refer the man pages. You may be asked to demonstrate any of the five commands from the below list. (5 Marks)

- su
- cksum
- mount and unmount
- ln
- lynx
- rlogin
- ssh
- rcp
- scp
- cron (also study the basics of crontab file)
- Study the implementation of input/output redirection and piping.

**Problem 2:** Make and Makefile (5 Marks)

- Create a C project which contains a .c file with main function. This file should call some function defined in another .c file.
- Use make command and a makefile for compilation of this C project.
- Your makefile should use constants/variables for defining various attributes like compiler name, compiler flags, .c/.o file, etc.
- You should also use special macros like \$@, \$<, \$^, etc wherever applicable.
- You can go through the man page for 'make' command for details. Also study the various options and exit status of 'make' command.