**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE – PILANI**

K.K. BIRLA GOA CAMPUS

Second Semester 2016 - 17

**Lab1: 24/01/2017**

**Batch: Tuesday (P1, P2, P3)**

(OPEN BOOK – Lab practice sheets and slides can be used for reference)

**PART A**

Open the file “input\_part\_a.txt” in vi editor and perform the operations using vi editor commands:

a. Enable line number for this file. (With one command)

b. Copy the first line and paste it after the last line.

c. Replace all occurrences of “orange” by “jalebi” (With one command)

d. Delete the word “Children” from line 8 (With one command)

Save the file and quit vi editor.

**Note:** Open the file “mycommands.txt” in vi editor and type all the commands used to solve PART A, save the file “mycommands.txt” and quit vi editor.

**PART B**

Create a file named “myPseudocode.txt” using vi editor and rewrite the pseudocode in the file “input\_part\_b.txt” in the format given below (Table Boundary Lines are not needed)with a refined algorithm to incorporate the following

1. Prompting required for taking inputs
2. Possible errors in the calculations due to incorrect inputs
3. Output taking care of two roots or one root cases by a statement “The two roots are” or “The root is”. Ensure you use the “IF” decision for this.

