**Assignment 5 (Input Output Statements)**

1. Make a .m file for the following code and run it

A=10; B=16; X=A+B; Y=X/2;

Keyboard %check the value of Y and change Y=10, after finishing write %‘return’ command, it will execute rest program

Z=A-B

1. Make a .m file for the following code and run it

i=menu('Select your favorite name','Teenu','Sumbul','Humera');

if i==1

disp('Teenu is your wife')

elseif i==2

disp('Sumbul is yr sis-in-low')

elseif i==3

disp('Humera is yr sis-in-low')

else

disp('kuch to select karo')

end

1. Make a .m file for the following code and run it

P=[1 2; 3 4]; Q=[5 5; 7 8];

disp('The matrix P is given as:')

disp(P)

disp('Program is paused, please press any key to display matrix Q')

pause

disp('The matrix Q is given as:')

disp(Q)

Z=P+Q;

disp('Program is paused, please press any key to display sum of P & Q')

pause

disp(Z)

disp('Again program is pausing for 5 sec')

pause(5)

1. Make a file abc.txt and save it with following data, finally load this data to the workspace

3 4 5 7

7 8 0 9

1. Again save the workspace data to a file using save command. Also try the following

A=rand(1,5); B=eye(3,3); save(‘check’,’A’,’B’)

1. Create a file having following code and rut it.

x = 0:.1:1; y = [x; exp(x)];

fid = fopen('exp.txt','w');

fprintf(fid,'%6.2f %12.8f\n', y);

fclose(fid);

Now open the file ‘exp.txt’ and see the data

1. Read the data of previously created file ‘exp.txt’. Create a file having following code and rut it.

fid = fopen('exp.txt');

A = fscanf(fid, '%g %g', [2 inf]); % A is 2 row x inf column matrix

A=A’ % transpose to get the original matrix

fclose(fid);