CS112: Computing Laboratory
Mid-Sem Evaluation Policy

Total Marks-20
*Proper indentation is mandatory (2.5 marks)
*You should comment the statements wherever necessary in order to make the code understandable (2.5 marks)

Q1-(7 Marks)
a) Run time inputs for matrix size and matrix elements - 1+1 marks
b) Correct implementation logic - 2.5 Marks
c) Compilation - 1 Marks
d) Output correctness - 1.5 Mark (If indexes not print then "- 0.5" in total)

Test Case1-
m=4,n=4
4 2 7 6
7 -1 -3 8
7 0 9 11
7 -1 7 7
O/p- 2[0,1]

Test Case2-
m=5,n=4
2 2 2 2
2 8 -5 7
2 4 4 4
2 6 -1 3
2 0 2 1
O/p-2[0,0],2[2,0]

Test Case3-
m=3,n=3
3 2 1
7 8 9
-8 -2 -3
No solution

Q2-(8 Marks)
a) Runtime array size & input - 1+1 Marks
b) Correct implementation logic for part-a (Array elements must be stored in a reversed order after execution) - 2 Marks
d) Correct implementation logic for part-b - 2 Marks
e) Compilation - 1 Mark
f) Output Correctness - 1 Mark

Test Case1-
n=5
1 -1 0 2 -1
o/p- -1 2 0 -1 1
     Sum of pairs closest to zero-[1,-1],[1,-1]
Test Case2-
n=6
-1 -2 -3 -4 -5 -6
O/p- -6 -5 -4 -3 -2 -1
    Sum of pairs closest to zero-[-1,-2]
Test Case3-
n=5
-4 -2 0 1 3
O/P- 3 1 0 -2 -4
    Sum of pairs closest to zero-[-4,3],[-2,1],[-2,3],[0,1]