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Parct - B

Amo: to the que: NO-2

<u>Q</u>

Euleron circuit: A comme cted multigraph with at least two vertices has an Euler circuit if and only if each of it vertices has even degree.

Ever path: A connected multigraph has an Evert path but not an Ever cinquit if and only it it has exactly two vertices of odd degree.

In figure 3, graph GI, has a Euler cinquit because all of 140 vertices has even degree.

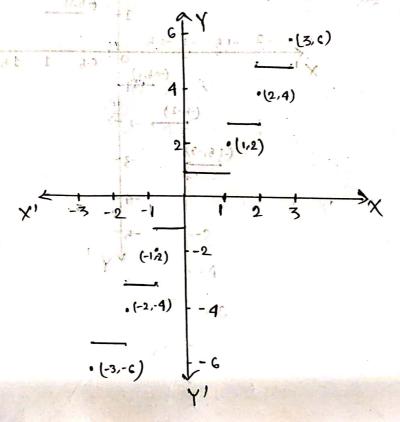
In figure 3, graph G13 has a Eulen ein path because it has exactly two vertices of odd degree.

Amo : to the que No-2

b

(i) Given function, F(x)=[x-2]+[x+2]

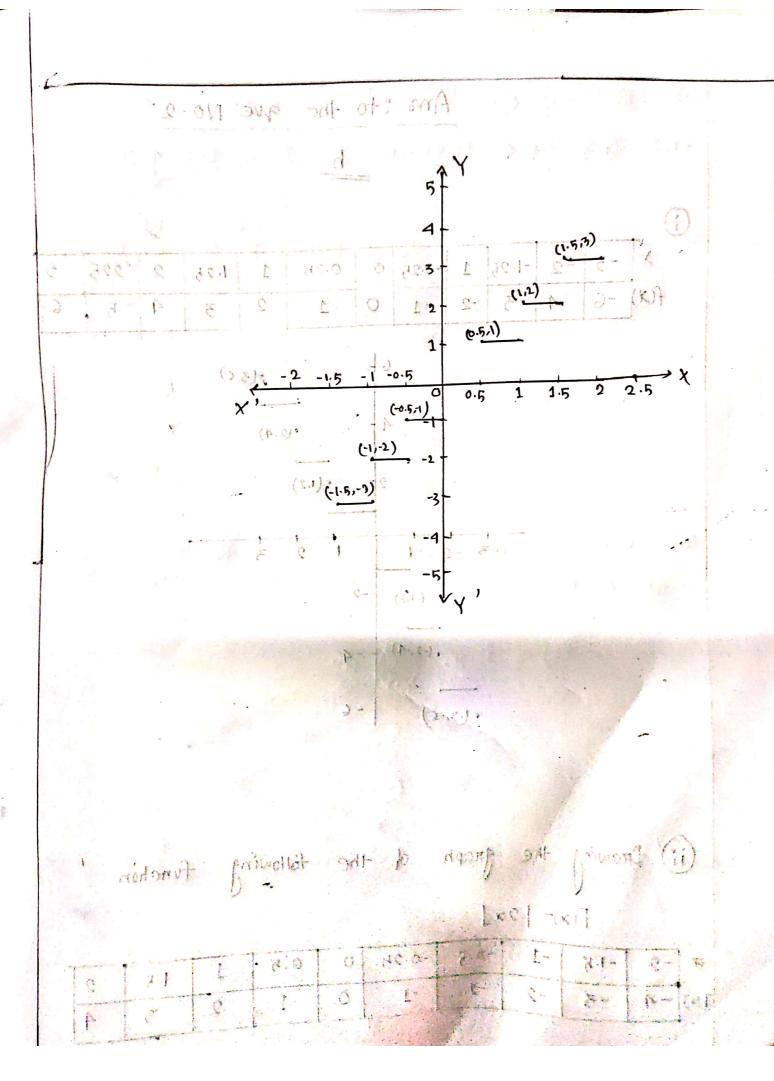
`x	-3	-2	-1-25	1	-0.25	0	0.25	1	1.25	2	2.25	3
f(x)	-6	-4	-3	-2	1	0	1	2	3	4	5	6



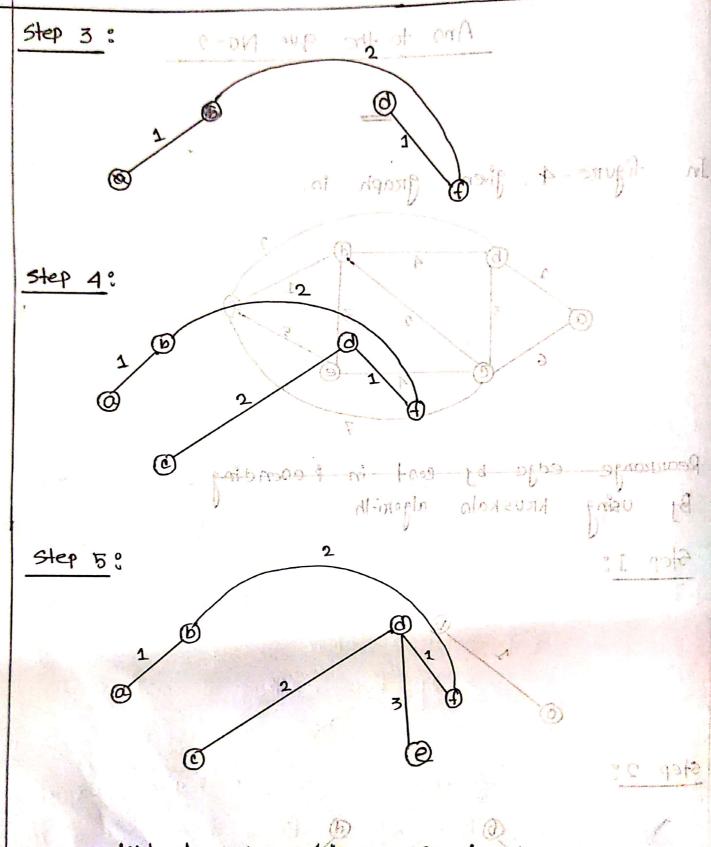
(ii) Drawing the graph of the following function:

F(x)= [2x]

2 -	-2	-1.5	-1	-0.5 -0.25 0 0.5 1 1.5						٥١
t(w) -	4	-3	-2	-1	-1	0	1	2	3	4



: a 95A Ann: to the que: No-2 figure - 4, given graph In 7 By using Kreuskala algorith. Step 1: co to how. Have spring though on the population



Total weight of this minimum sponning true is.

1+2+2+3+2=9

As we released the lower edge cont., and i as we don't make any cycle we can not that

this is a (MST) minimum aparming tree with (6-12) ore is edgen.