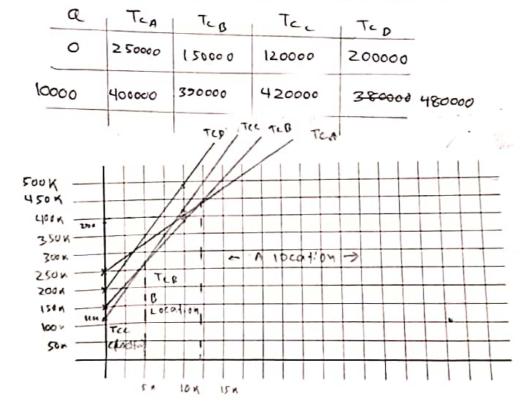
Fixed and variable costs for four potential plant locations are shown below

Plant Location			TC = FC + QV	
A	250,000	15	400000	
В	150,000	24	390000	
С	120,000	30	420000	
D	200,000	28	480000	

- i) Plot the total-cost lines for these locations on a single graph.
- ii) Identify the range of output for which each alternative is superior (i.e., has the lowest total cost).
- iii) Which location would provide the lowest total cost at a volume requirement of 10,000 units?

## (iii) Location B would provide the lowest total cont



HO losate SA forest En 10 - . .

fig: evanlily us Total cont graph

B location - o to su

B location - su to 12 m

A location - 12 u to 2