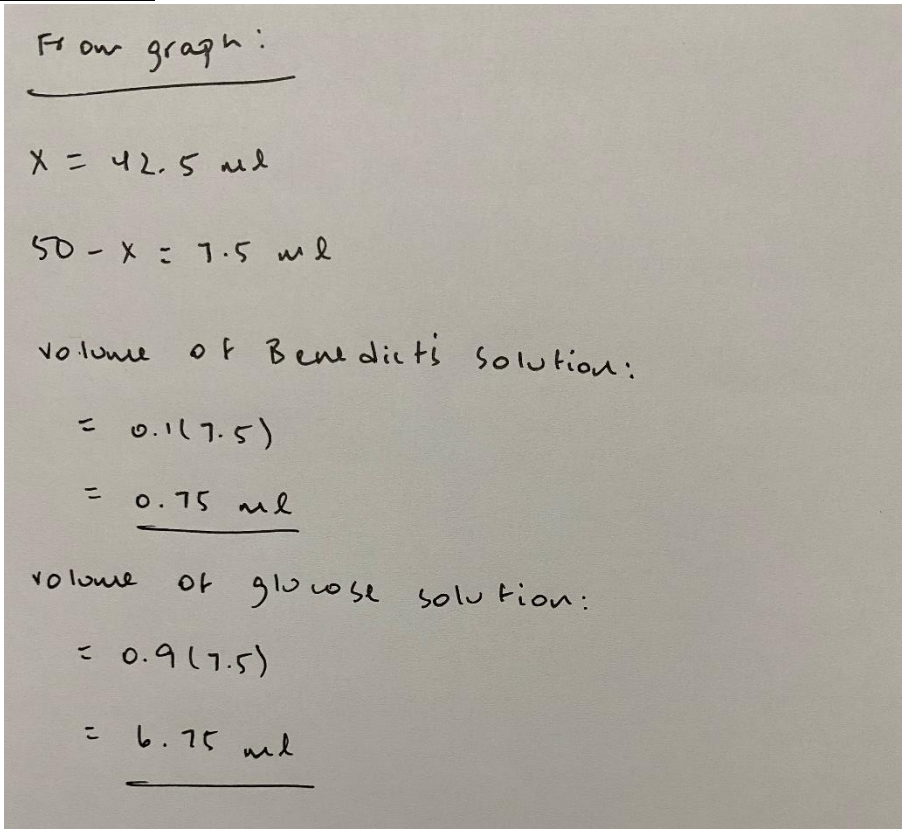
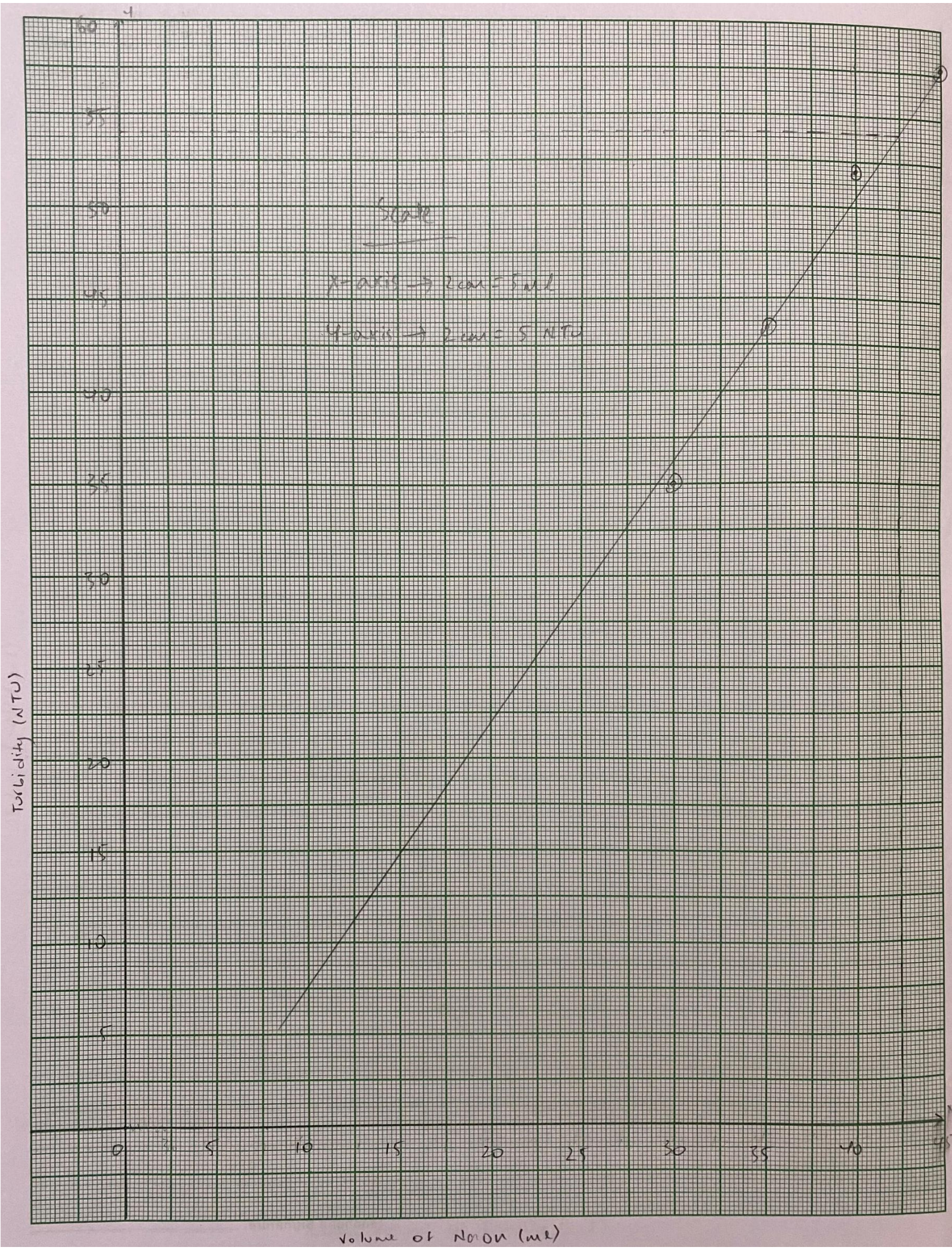
Experiment 7: Data to plot the graph and calculations

Sample No.	Vol. of Benedict's reagent (mL)	Vol. of glucose solution (mL)	Vol. of NaOH 0.01 M (mL)	Turbidity (NTU)
A	0.5	4.5	45	57.7
B	1.0	9.0	40	52
C	1.5	13.5	35	43.2
D	2.0	18.0	30	35
E (Unknown Sample)	0.1 (50 –X)	0.9 (50 – X)	X (from the graph)	54

Calculations from Graph:



Graph on Next Page:


Scale
X-axis → 2 cm = 5 ml
Y-axis → 2 cm = 5 NTU
Turbidity (NTU)
Volume of NaOH (ml)
0
5
10
15
20
25
30
35
40
45
50
55
60