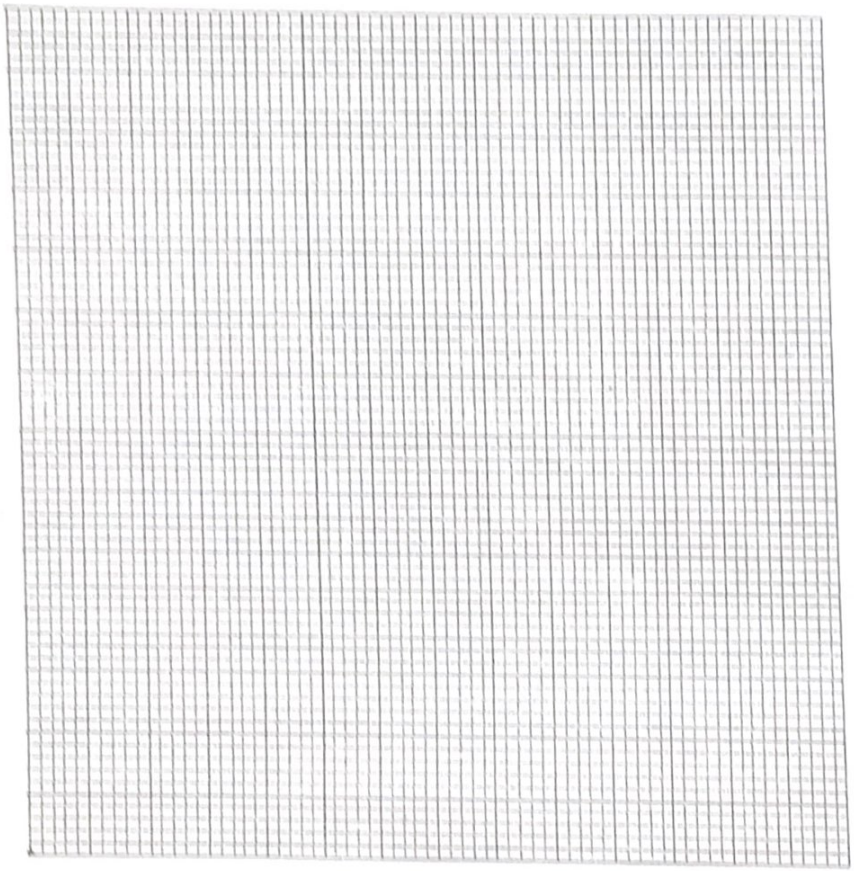
Experiment (7): AC Bridge Meter

C_s	L_{BC}	L_{AC}	$\frac{L_{AC}}{L_{BC}}$
68			
100			
470			
1000			
2200			

Part 1

* C_1 Theoretically is: .....

* Plot C_s versus $\frac{L_{AC}}{L_{BC}}$ and fit it to the best strait line.



*The slope is .....

* C_1 Experimentally is: .....

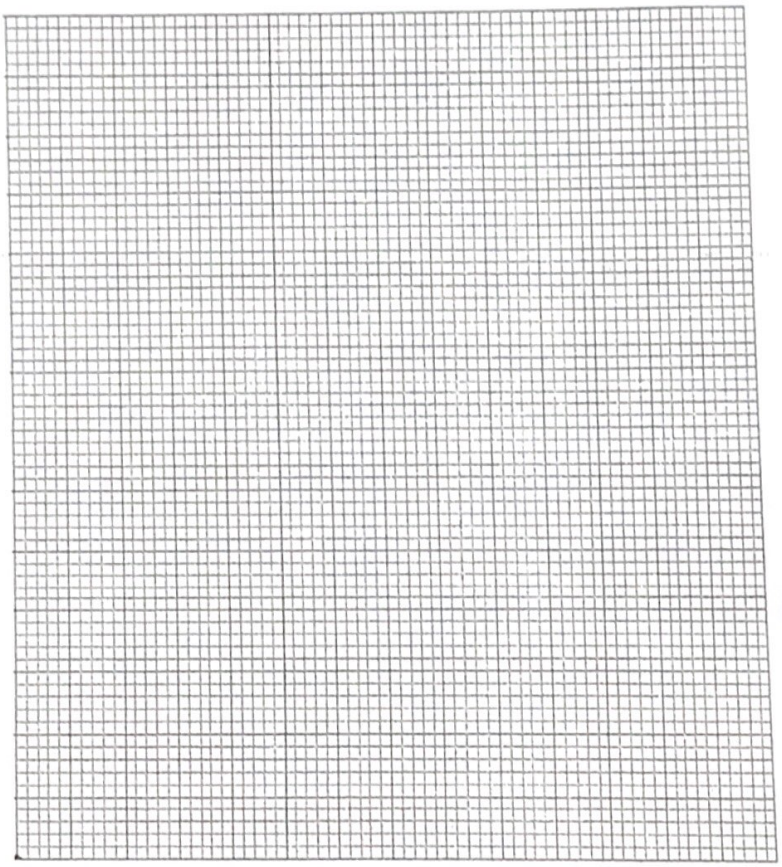
*The Percentage Error in C_1 is.....

Part 2

* C_2 Theoretically is: .....

* Plot C_s versus $\frac{L_{AC}}{L_{BC}}$ and fit it to the best strait line.

C_s	L_{BC}	L_{AC}	$\frac{L_{AC}}{L_{BC}}$
68			
100			
470			
1000			
2200			



*The slope is .....

* C_2 Experimentally is: .....

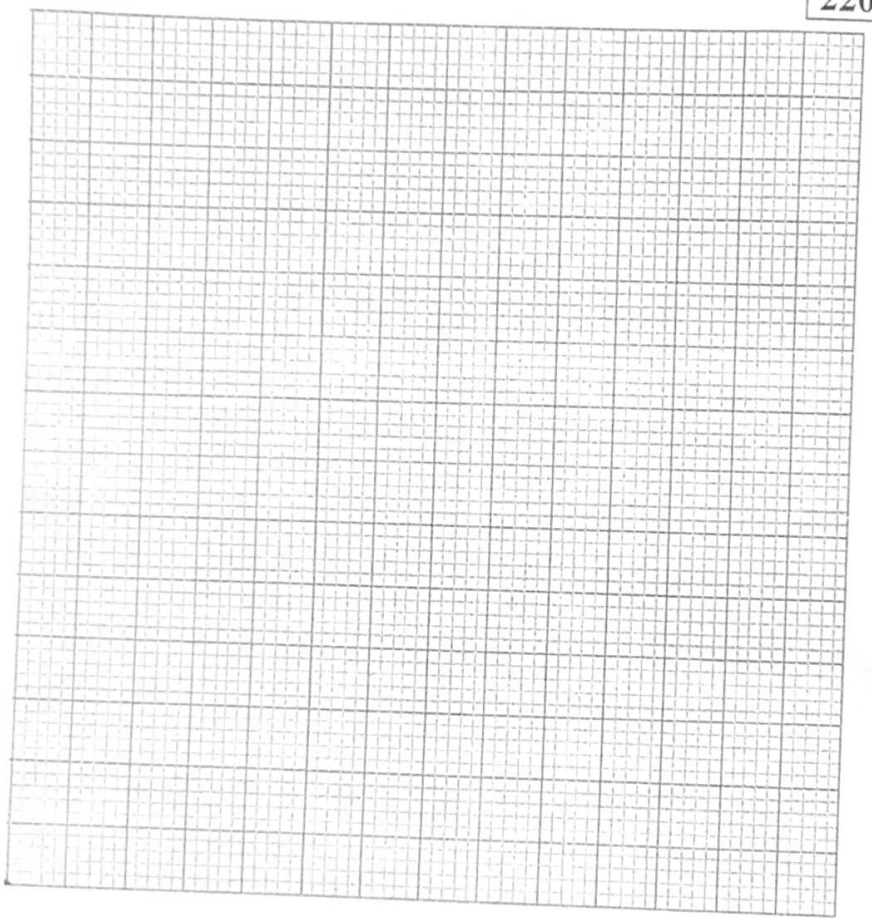
*The Percentage Error in C_2 is.....

Part 3

C_s	L_{BC}	L_{AC}	$\frac{L_{AC}}{L_{BC}}$
68			
100			
470			
1000			
2200			

* C_{series} Theoretically is: .....

* Plot C_{series} versus $\frac{L_{AC}}{L_{BC}}$ and fit it to the best strait line.



*The slope is .....

* C_{series} Experimentally is: .....

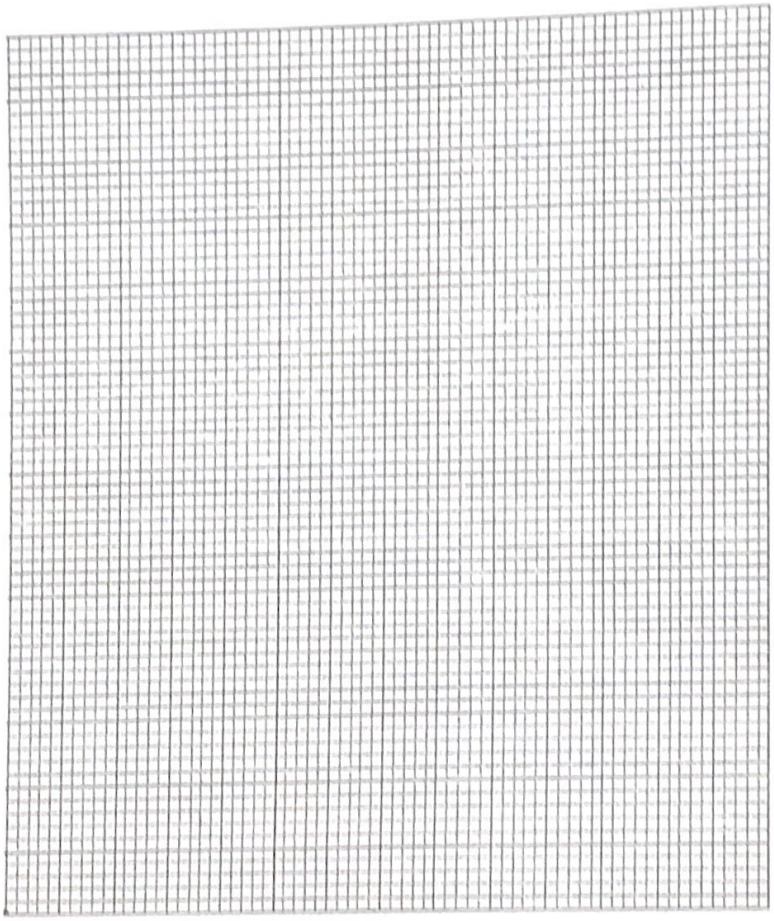
*The Percentage Error in C_{series} is.....

Part 4

* $C_{parallel}$ Theoretically is: .....

* Plot $C_{parallel}$ versus $\frac{L_{AC}}{L_{BC}}$ and fit it to the best strait line.

C_s	L_{BC}	L_{AC}	$\frac{L_{AC}}{L_{BC}}$
68			
100			
470			
1000			
2200			



*The slope is .....

* $C_{parallel}$ Experimentally is: .....

*The Percentage Error in $C_{parallel}$ is.....