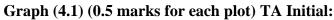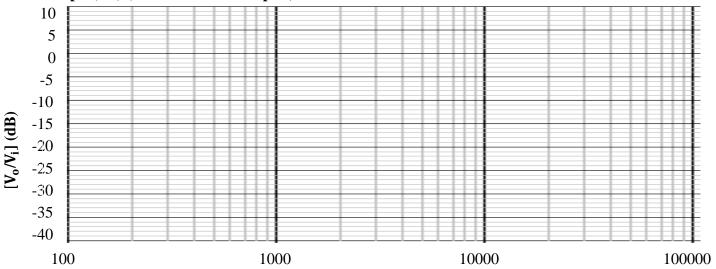| ID										Name:

Experiment #4: Filters

Lab Demonstration (see Step 4 and Step 9 in Lab Instructions, 2 marks in total).
Lab Data Collection (3 marks in total, ask TA to initialize all data during demo):
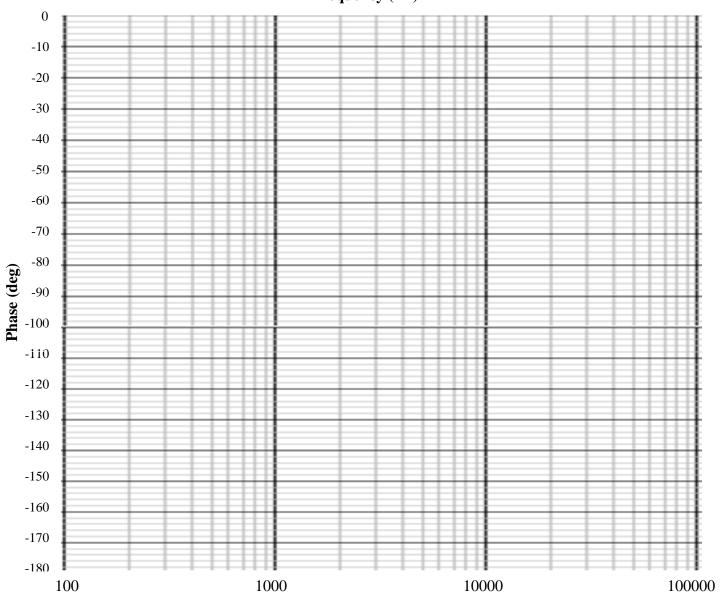**Table (4.1) (0.5 marks) TA Initial:**

Frequency (Hz)	V_o (dB)	V_I (dB)	$|H(\omega)|$ (dB)	$\angle H(\omega)^0$
100				
200				
500				
1k				
2k				
5k				
10k				
20k				
30k				
50k				

Graph (4.1) (0.5 marks for each plot) TA Initial:

Frequency (Hz)

Table (4.2) (0.5 marks) TA Initial:

Frequency (Hz)	V_o (dB)	V_I (dB)	$\mid H(\omega)\mid$ (dB)	$\angle H(\omega)^0$
f_o = ……….				0
f_L = ……….				+ 45
f_H = ………				- 45
500				
1k				
2k				
3k				
4k				
5k				
6k				
10k				
20k				
50k				

Graph (4.2) (0.5 marks for each plot) TA Initial: