

[illegible]

Post-Lab Questions (2 marks in total, 2/3 marks for each question):

- (1) By considering all the asymptotic & measured plots, answer the following:
 - a) At which frequencies does the asymptotic plot yield the maximum error? What would you do to minimize this error?
 - b) At what frequency range does the error become negligible?

- (2) What is the maximum rate of attenuation of $|H(\omega)|$ in dB/decade for your plots on in Graph (3.1)?

- (3) By considering your plots on Graph (3.2), answer the following:
 - a) What is the maximum rate of attenuation of $|H(\omega)|$ in dB/decade?
 - b) Suppose that the $2.7\text{k}\Omega$ resistor and the $0.01\mu\text{F}$ capacitor at the input part of the circuit in Fig (3.2) were interchanged, what effect would this have on the frequency-response characteristics?

