



Experiment #2: The Step-Response of First- & Second-Order Circuits

Lab Demonstration (Step 4 and Step 15 of Lab Instructions, 2 marks in total).

Lab Data Collection (3 marks in total, ask TA to initialize all data during demo):

Graph (2.1) (0.25 marks) TA Initial:

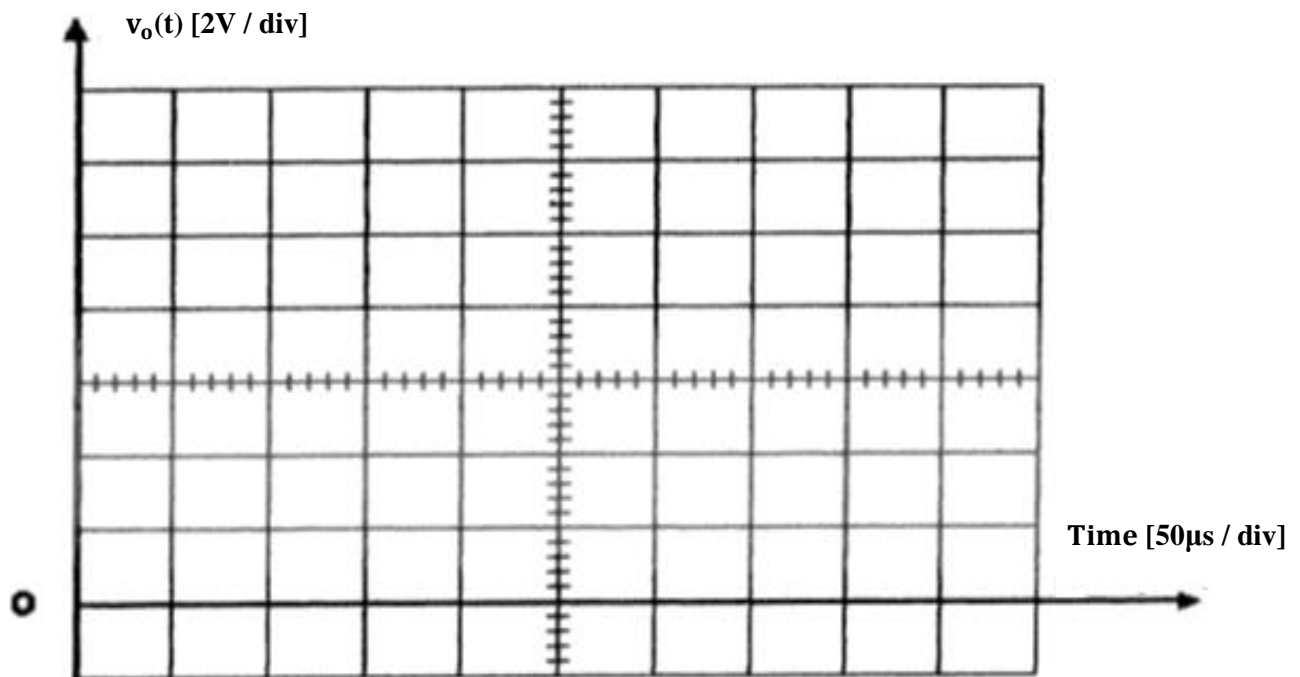


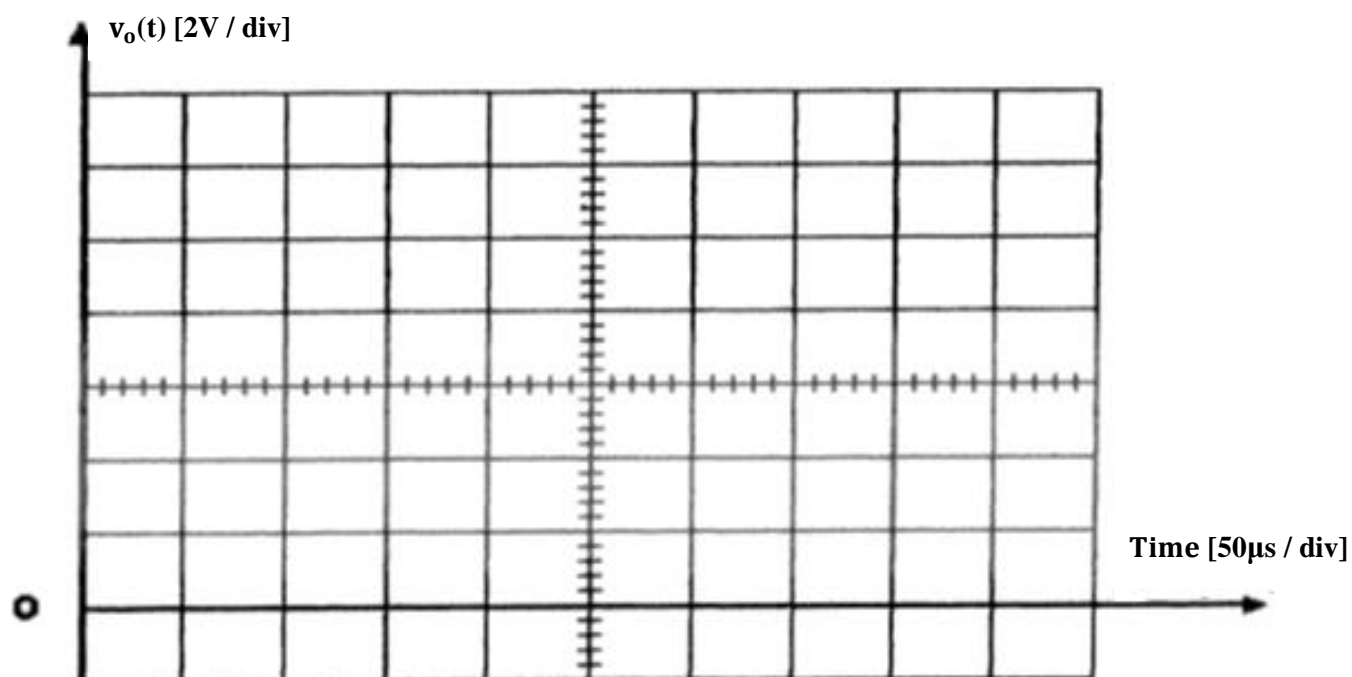
Table (2.1) (0.25 marks) TA Initial:

R (k)	T	$V_o(T/4)$	$V_o(3T/4)$	σ	ω
3.4					
1.4					

Table (2.2) (0.25 marks) TA Initial:

A	τ

Graph (2.2) (0.25 marks) TA Initial:



Graph (2.3) (0.25 marks) TA Initial:

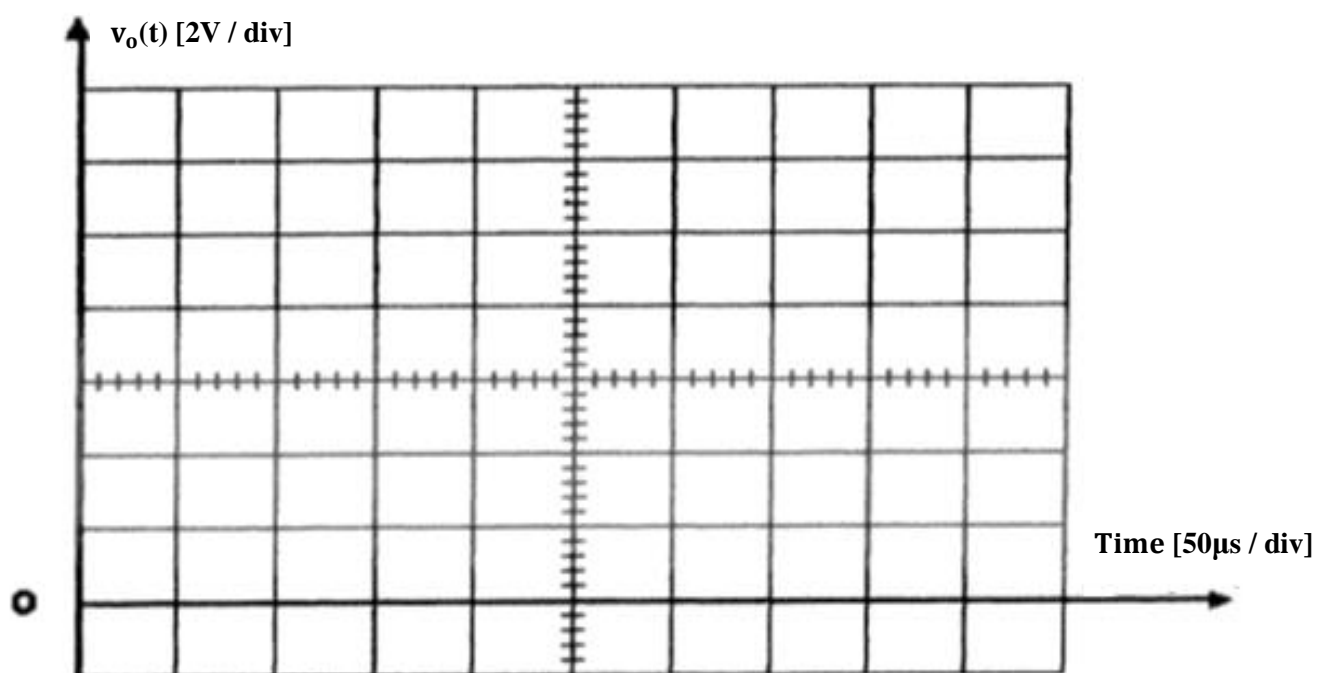


Table (2.3) (0.25 marks) TA Initial:

T	$V_o(T/4)$	$V_o(3T/4)$	σ	ω

Graph (2.4) (0.25 marks) TA Initial:

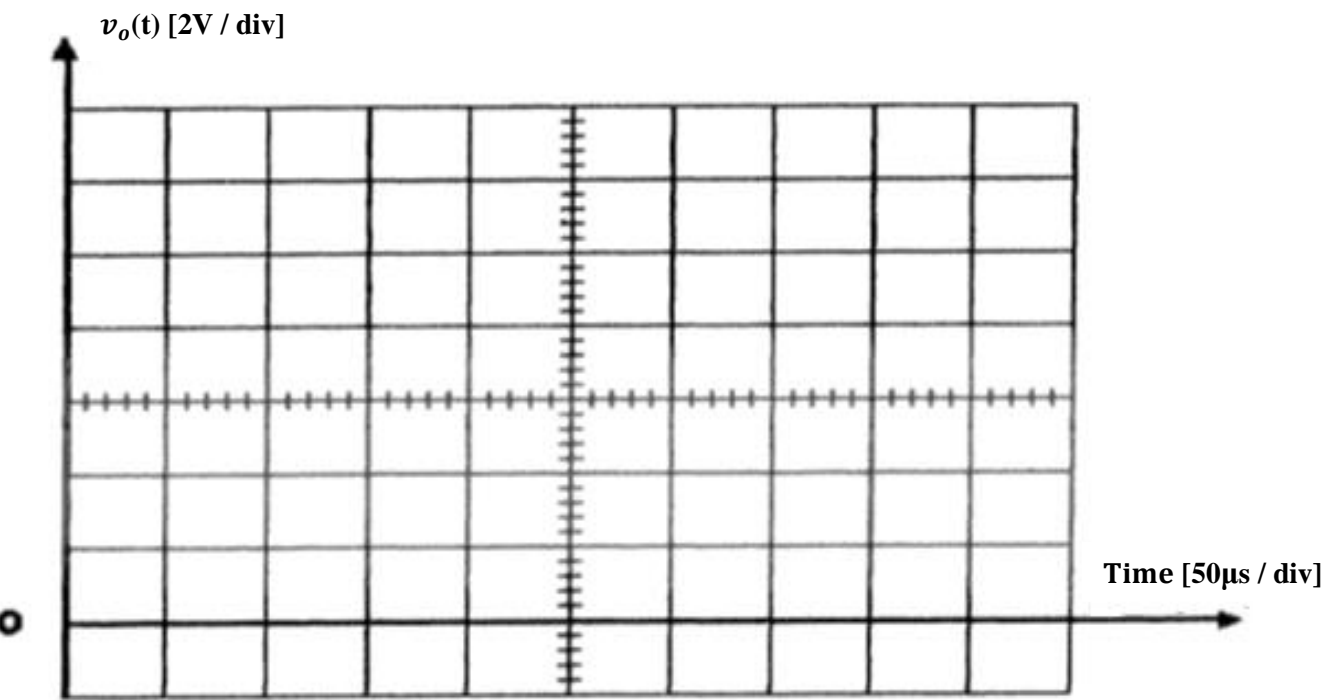


Table (2.4) (0.25 marks) TA Initial:

A	τ

Graph (2.5) (0.25 marks) TA Initial:

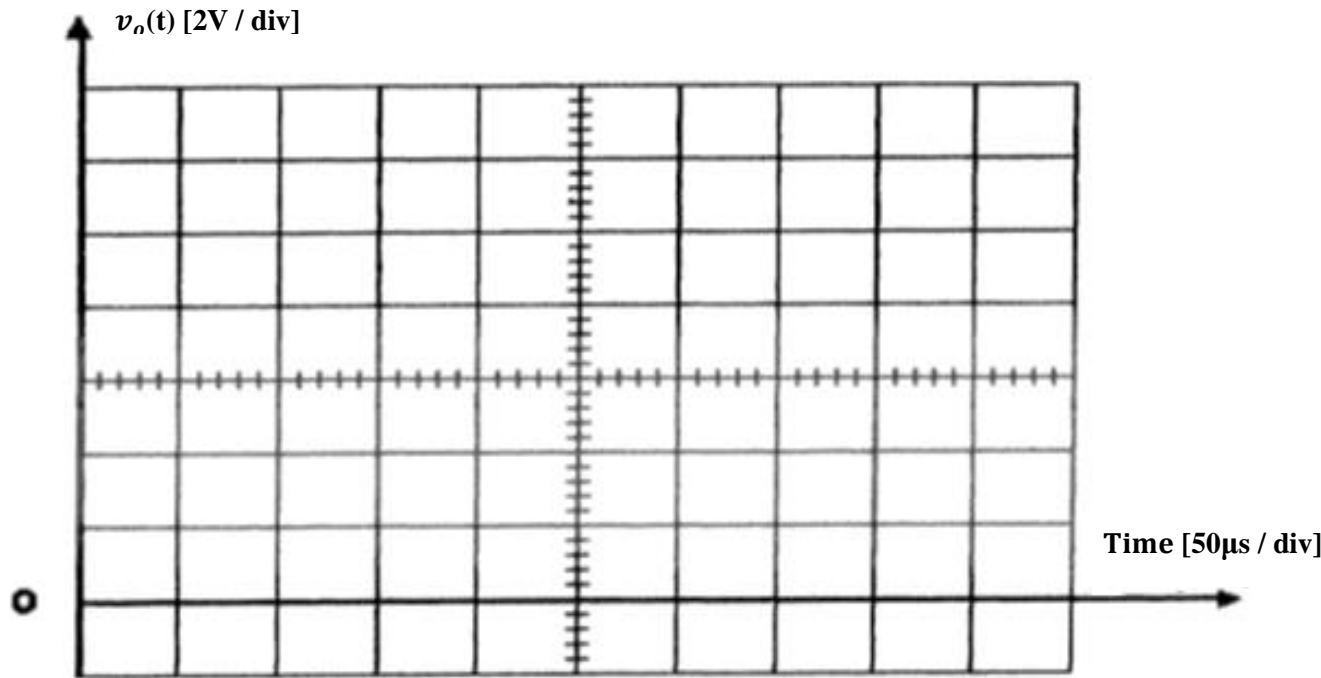


Table (2.5) (0.25 marks) TA Initial:

T	$V_o(T/4)$	$V_o(3T/4)$	σ	ω

Graph (2.6) (0.25 marks) TA Initial:

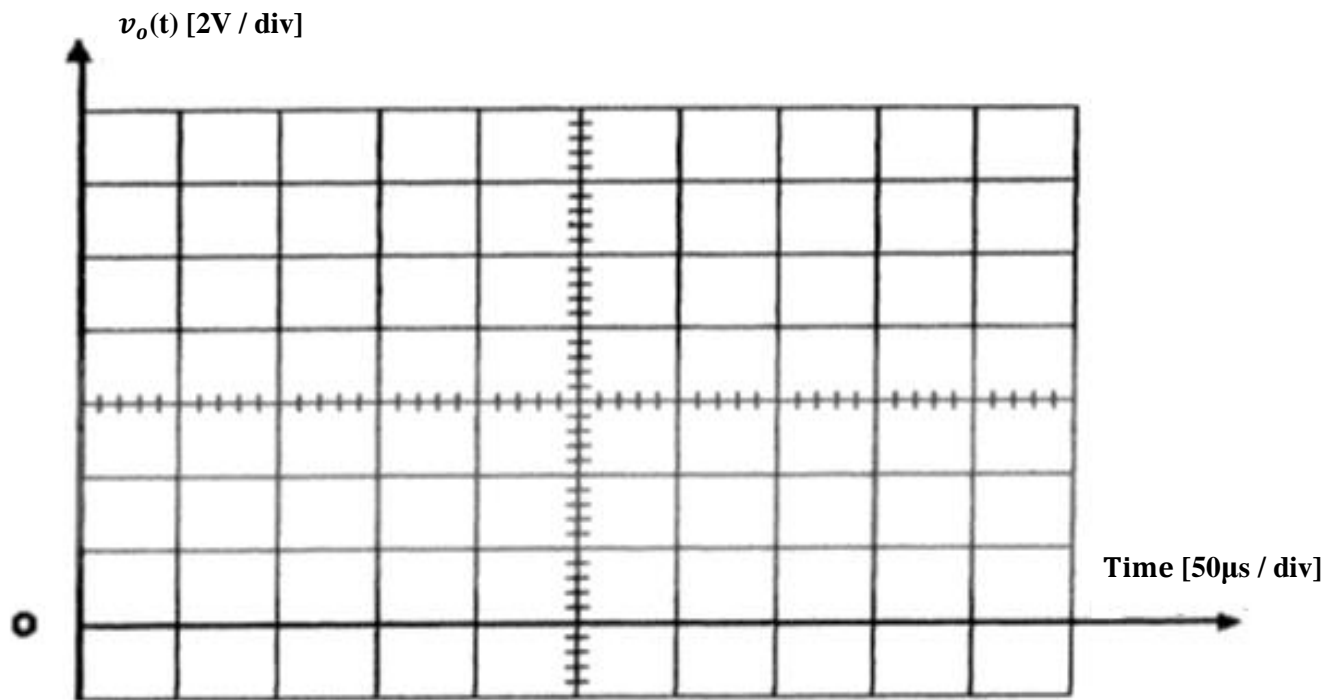


Table (2.6) (0.25 marks) TA Initial:

A	τ