RCET 2253 Systems Analog and Digital Lab Lab 1 Check-Off Sheet

Student Information

me	Start	Date	
eck-Offs			
tion item	Date (DD/MM/YY)	Status	Instructor Initials
Set the oscilloscope to trigger on the be Compensation Signal. Demonstrate the erence between free-running and gered by adjusting the trigger level		□ Satisfactory □ Unsatisfactory	
dentify trigger level, rise/fall slope setting, trigger point		□ Satisfactory □ Unsatisfactory	
emonstrate proper probe compensation		□ Satisfactory □ Unsatisfactory	
Measure the period, frequency, and politude of the signal without using the asure function of the scope		□ Satisfactory □ Unsatisfactory	
Measure the period, frequency, and politude of the signal <u>with</u> the measure stion of the scope		□ Satisfactory □ Unsatisfactory	
Measure the period, frequency, and politude of the signal <u>with</u> the cursor ction of the scope		□ Satisfactory □ Unsatisfactory	
Show how all three methods compare in a e. Explain any discrepancies	ı	□ Satisfactory □ Unsatisfactory	
Measure tilt & rise time		□ Satisfactory □ Unsatisfactory	
Calculate all voltages, phase angles, frequency response of the circuit.		□ Satisfactory □ Unsatisfactory	
Draw the predicted voltage phasor gram		□ Satisfactory □ Unsatisfactory	
Measure the circuit and compare to the dicted values. Explain discrepancies		□ Satisfactory □ Unsatisfactory	
reference the Tektronix Lissajous ument and draw predicted Lissajous rems in your lab book at 0° 360°, 45° 225°, 270°, 135° 315°, 180°		□ Satisfactory □ Unsatisfactory	
verify Lissajous patter accuracy using two nnels out of the generator and varying the se of one.		□ Satisfactory □ Unsatisfactory	
Predict and Measure the phase difference ween the generator and the output using ujous pattern		□ Satisfactory □ Unsatisfactory	
FT		□ Satisfactory □ Unsatisfactory	
FT		□ Satisfactory □ Unsc	atisfactory

Check-Off Redo

(write in Action Item!)	Date (DD/MM/YY)	Status	Instructor Initials
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