



Lab Section No. : _____

Date : _____

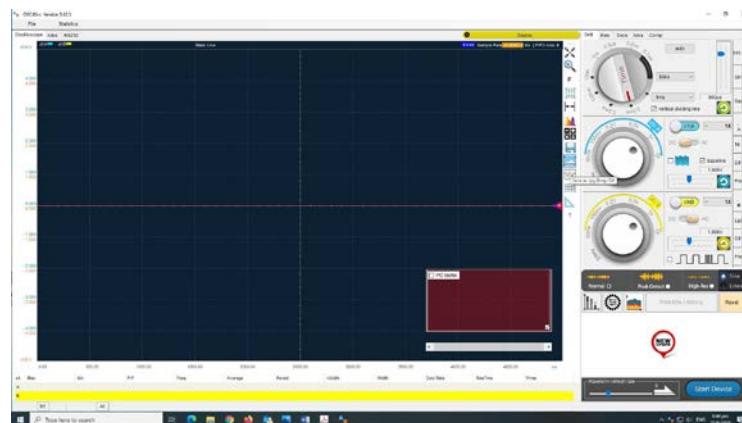
Name : _____

Student Number : _____

**LAB 1(a) – Instrumentation and Measurement
Answer Sheet**

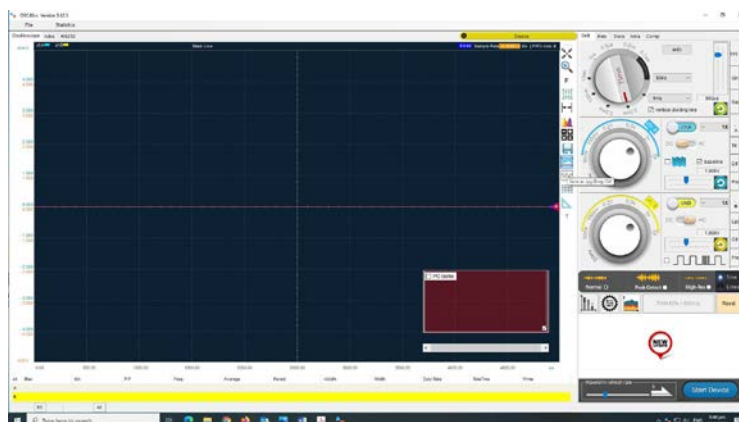
Q1. What is the phase difference θ between the sine waves? $\theta =$????

Q2. Capture the corresponding waveform of $V_A(t)$ and $V(t)$ when you measure the phase difference θ in Q1.



Q3. What is the phase difference θ using the Lissajous plot? $\theta =$????

Q4. Capture the corresponding waveform of $V_A(t)$ and $V(t)$ when you measure the phase difference θ in Q3.



Q4. What is $V_A(t)$, when $V(t)$ is $1 \cdot \cos(2\pi 1kt)$ V? $V_A(t) =$????

Q5. Show all the circuits and waveform to TA. (YES / NO) YES