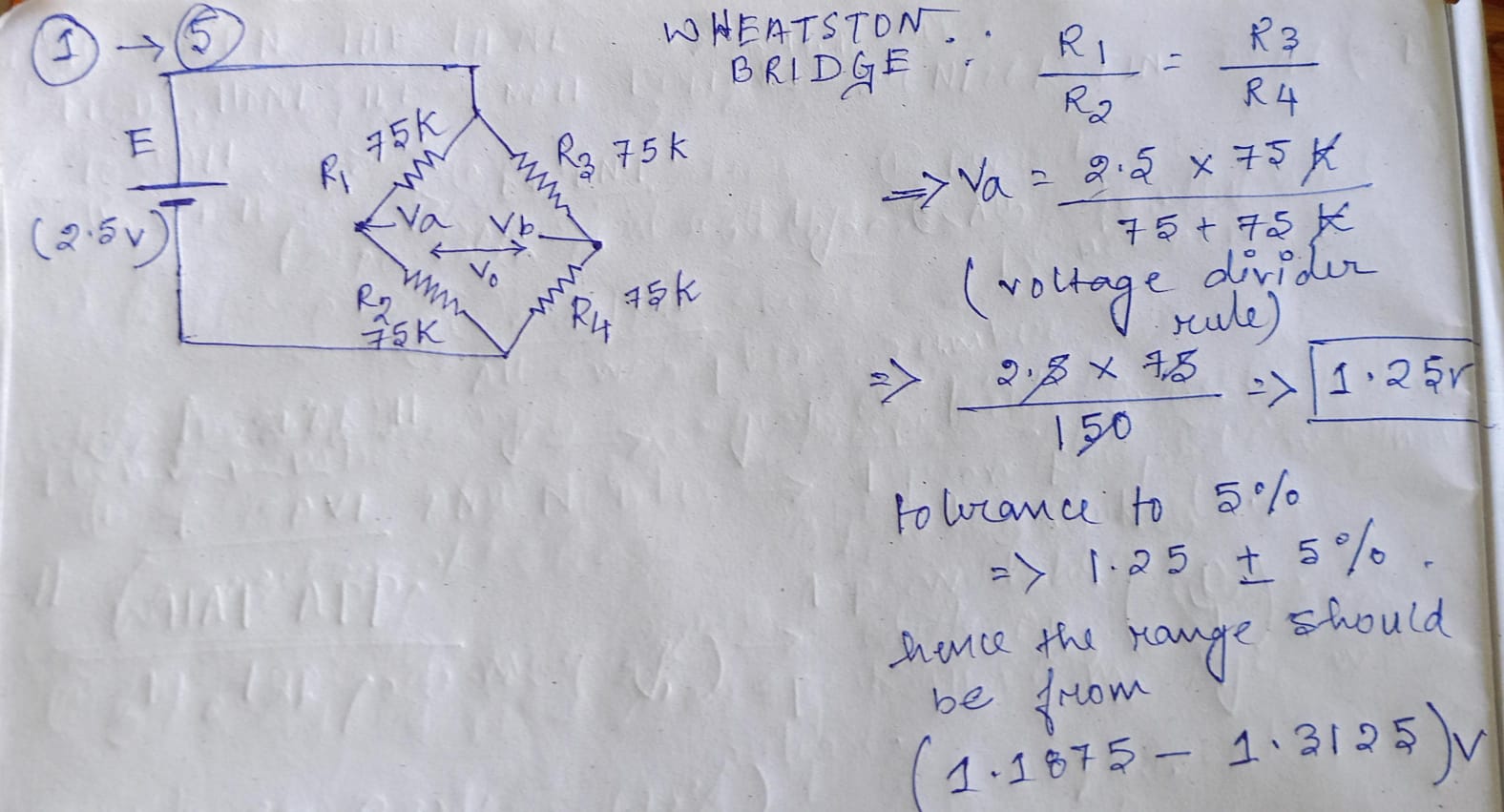
Objective:

1. To construct a Wheatstone bridge using resistors, calculate and measure the node voltages and its output voltage.
2. Additionally, to investigate the effect of adding a capacitor across the output to filter unwanted AC components.

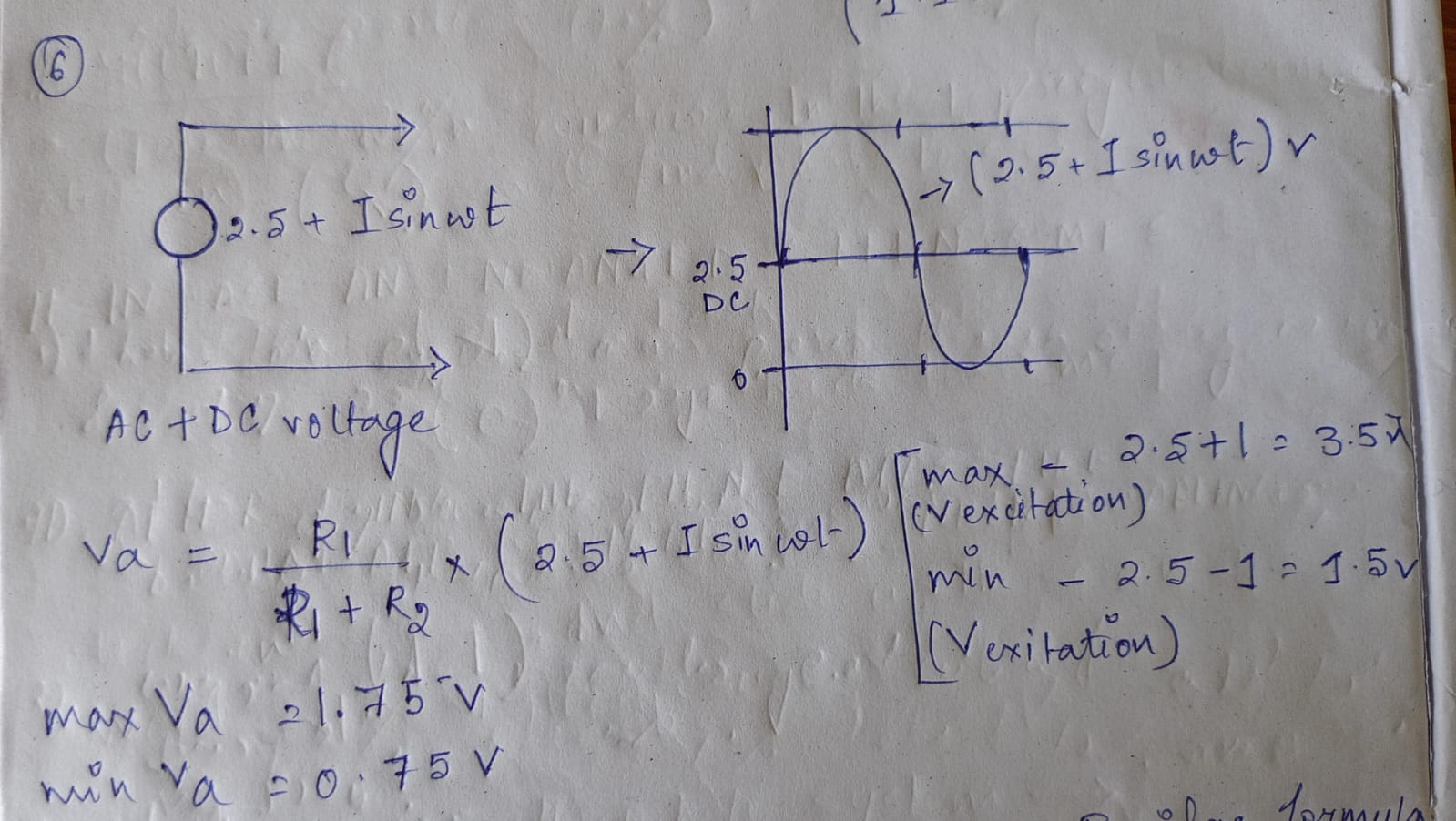
Materials and Equipment:

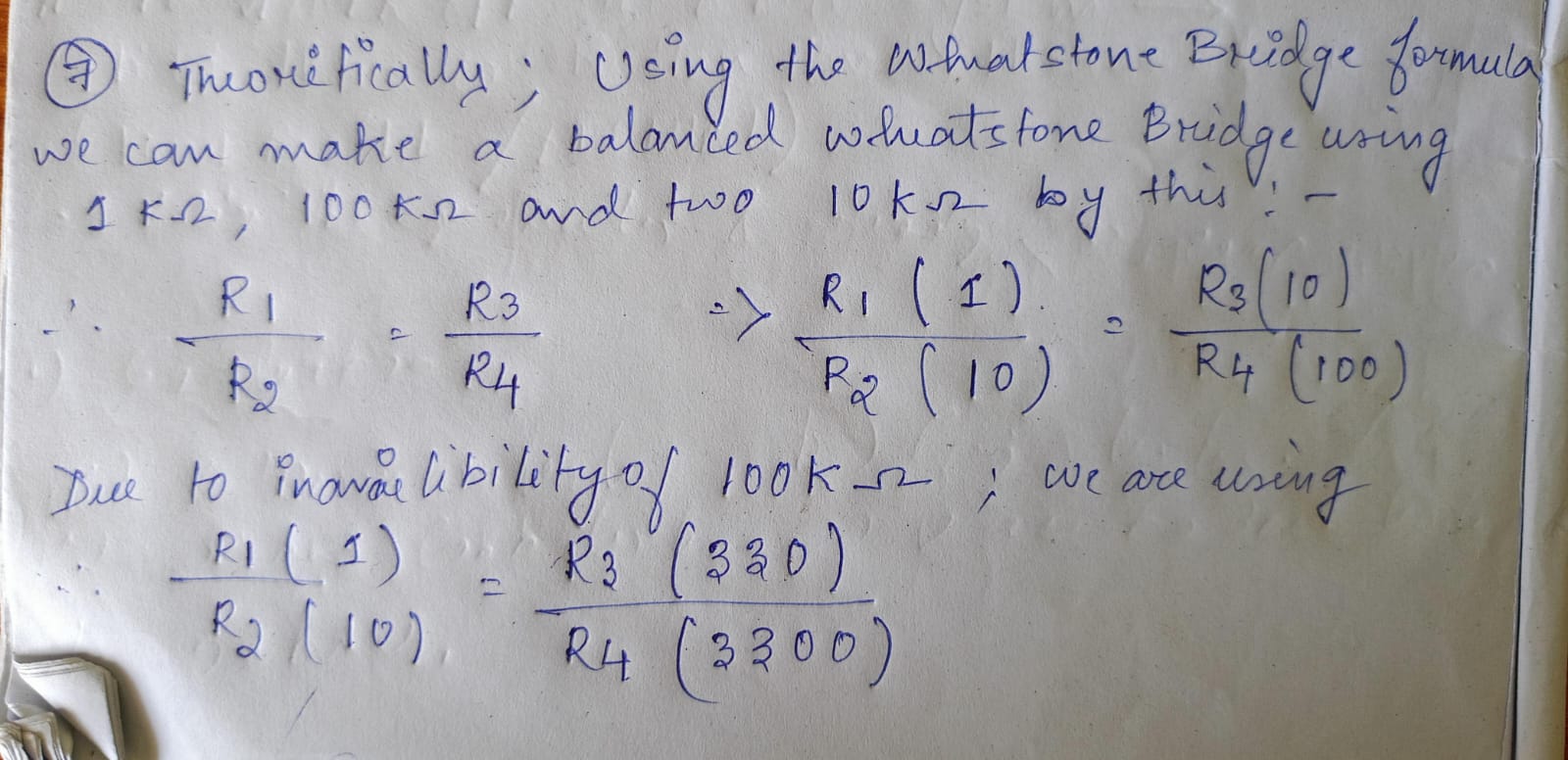
* Four 75 kΩ resistors (R1, R2, R3, R4), Two 1 kΩ resistors , Two 10 kΩ resistors, One 330 ohm and 3300-ohm resistor.
* Capacitor (in nF range) and one Multimeter.
* Analog Board (ADALM 1000)

**Part 1  
1.1- 1.5 )**



**1.6)**

 **1.7) (Extra use of 330 ohm and 3300 ohm resistors)**

 **Part 2  
2.1- 2.4**

**Part 3  
3.1-3.3  
3.4  
3.5-3.6  
3.7-3.10  
3.11-3.12**