First and Last Nar	ne:	
Student ID Numb	er:	
Regular TA:		
Lab Section:		
Date Performed:		
Make-up TA (If ap	olicable):	
make-up IA (II ap)	ກແບສນເອງ:	
Part 1. Preparing a	phosphate buffer	
 Please record 	the measured values with the	e correct number of significant figures
Chemical	Amount	
Na₂HPO₄	(g)	
NaH₂PO₄	(g)	
H₂O	(mL)	
Part 3. Measuring pl	H of buffered bromothymol I	olue stock solution
	-	
	er of significant figures	d the pH of the stock solution with the
	or or organicality right co	
T°, C		
рН		

Part 4. Preparing bromothymol solutions at acidic, neutral and basic pH

• Please record the measured values with the correct number of significant figures

Solution color	Stock solution, V(mL)	1M NaOH, V(mL)	1M HCl, V(mL)	DI H₂O, V(mL)	pH range
Yellow		x		x	
Blue			х	x	
Green		x	x		

Part 5. Acquiring absorbance spectra and measuring absorbance values of bromothymol solutions at 453 nm and 616 nm

• Please record the measured absorbance values for each solution with the correct number of the significant figures

Solution color	A _{453nm}	A _{616nm}
Yellow		
Blue		
Green		