## Model Procedure /Flow Chart:

Take a clean and day riscome teams fixit to a stand. Using gardnoted pippele, teansles known volume of given liquid into it. Then place it in water wed booth such that id's big bulb is completly immered in water. Such the liquid above the appearment of the small build of the viscome hand allow it to flow through the capillary. When the liquid just causes he upper most, strad the stop water. Stop it as soon as it renders the lower make and note down the gendings.

Repent the experiment 3-4 times and calculate the average time Of Plow.

Afterisand the liquid on class well with a rebore. Day Hansing a over and cost it down. Similar to the upove, the take headings using when and calcutable the average time, since the density of runtes & liquid and viscocity of makes is known we can kind the viscosity of liquid using fromthe Model Calculation:

Of liquid to do Row Trans tedo no twdw

to-stime of flow of liqua de-s during of liquid tw->timo of Plow of the dw > density of water The Coffee of water

## Observation:

	Time of Flow			
Liquid	in min: sec	in seconds	Average in seconds	
( Omale,	1:31:22	91:22		
Test liquid	1:31:00	91:00	t <sub>i</sub> = 91.02	
	1:30:84	90:84		
igas w	2: 10:19	130:19	Charles and	
Water	2:07:53	127:53	tw= 127.28	
	2:07:03	12 7.03		

## Inference:

- . This experiment implies AR at soom temperature, Al is in milliping
- . This also tells the viscosity is discelly peopledinal to the time of flow 2 also the draft of liquid

Relevance to Society & Environment: . This method can be used fix selection different oils and substances that are suitable fix certain passesses samples and also used in medical industry to analyse to samples and also used in pharmaceutical industres

Report: The coefficient of viscosity of the given liquid at 24°C = 5.83 ×10<sup>-4</sup> Nsm<sup>-2</sup>

Evaluation of			
Components	Marks		
Components	Max	Obtained	
Model Procedure,			
Model Graph &	20	26	
Calculation	-00	100	
Expected Value &	11	11	
Execution	16	16	
Conintal			
Inference & Societal	06	123	
Relevance	4	9	
Total	IM	39	
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Signature of Teacher	N	THE RESERVE	
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