











(iii) Observed theishold voltage comes out to

$$\frac{V_0 - V_{in}}{5 \kappa \Sigma} = \frac{V_{in} - 2V}{1 \kappa \Sigma} \Rightarrow V_0 = 5 \left(\frac{V_{in}}{5} \left(\frac{1+1}{5} \right) - 2 \right)$$

$$V_0 = 15V$$
 $15V = 6Vin_{-10}$
 $V_{in} = 25/6V$
 $= 4.166V$

$$V_{in} = -5/6 V$$

= -0.85V

classmate (v) 415V the observed UTL value > 4.16 V 2; LTL value -> -0.85 V agree with our calculations (vi) No, thus is not a good design of schwitz Modified Schmitt trigger Vo (7 VPP = 10.40V XXX as expected the output is phase shifted by 150°. VTL = -3V observed VTH = +3.2V 4001/2m