Perocedure for Testing of typothesis Stepl: Set up null Hypotheria Ho Ho: M= Mo; Ho: M, 7M, ; Ho: 5, 46 Stp2: Set up Alternative hypothesis H, (Decide one tailed or tractable) Ho: M=No; H1: N+No (one population) (U>16, U<10) Ho: U1 = U2; H1: M, # U2 - Tailed (two populations) (Ho: U & Mo (7, No); H1: M7No (KHo) (one population) Ho: U, & M2 (M,7,M3); H1: M,7M2 (KM3) (TWO Pupulation) one-Tailed Steps: Level of Significance oc at 1% (an) 5%

Procedure for Testing of typothesis

Step4: Test statistic

Test Statistic= Stati Stic - Value of under Ho





Password: 012292

Perocedure for Testing of thy pothesis

Steps: CONCLUSION:

· If Z = 2 | value ox (Step4) | Z | < Z | (Step4)

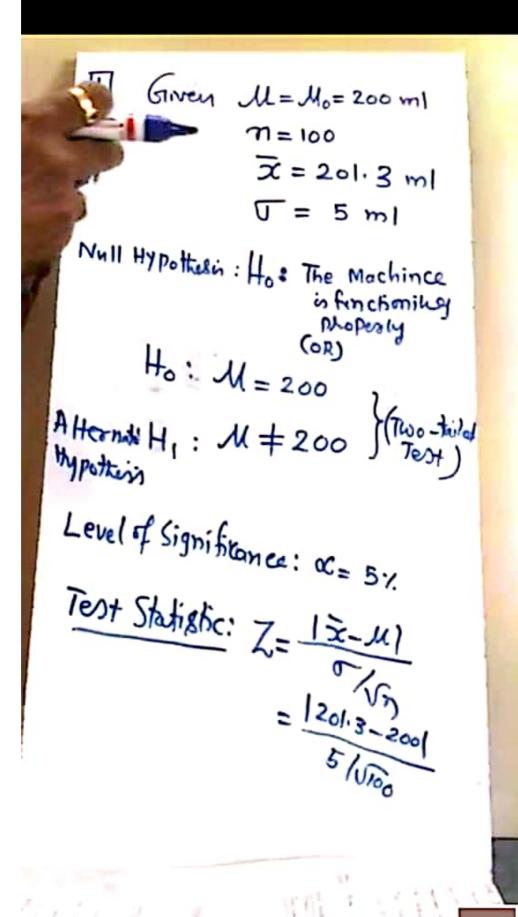
We say that it is NoT Significant

.. The Null by pothesis

· If Za1> Za (an) /2/>Za (an) /2/>Za he say that it is significant

-: The N411 hy pothers is Prirected









 $Z_{c_{\alpha_1}} =$ Also, @d=5%: Zc= 1.96 CONCLUSION: Za > Za =) Ho UREJECTED ... The Machine y NoT Working Brokerly

Ho : The Mean Resistance of the ocsister is 1.4 sz.

>Ho: M=10=1.4

 $H_1: \mathcal{M} \neq \mathcal{M}_0$ $Los: \infty = 5 \times$

TEST STATISTIC: Z= 12-11

CONCLUSION: @ C=5% ·· | Za1 > Za > Ho is Rejected i. The mean resistance 7 the resister is NoT 1.4.