Sakshi Pater - 2018130039 Juouals. Evaluation and Measurement Hypothesis tosting into Level of Agriffiance = & = 6.10 Pest statistic: Binamial variable X X = 8 and  $mP_0 = 15 \times 0.7 = 10.5$ P= 2xP where x < 8 and =25.4=25.4=25.0.4= 2×0-1311 | from binomial - 0-2622 P>0010 which means 9 > 0 : Not rejecting to whoust the claim of builder.

Q27 No: P=0.6 411 P 20.6 level of Significance lybur: x=70, n=100, P=0.6 2, Z= x - m Po nPogo Z = 70-100x0.6 V100 x0-6x0-4 Z = 2.09 = P(Z72.04)
P=0.0207 [intervior from Jakle] Since PXX, une un'il dieject Ho and hence new drug in nomidored & be superior.

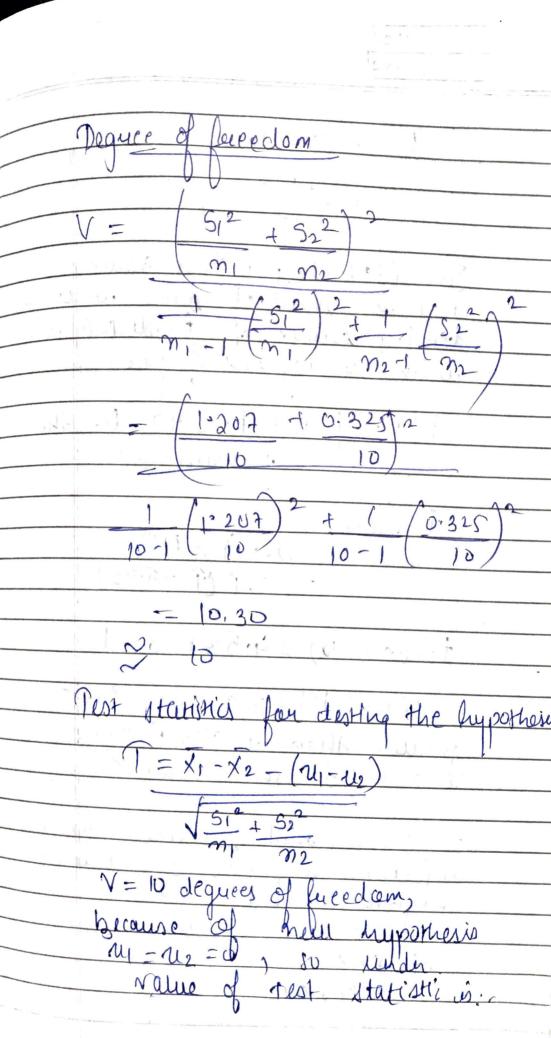
Let P, be the proportion Mumbai Voters

De Surramaing auea Pi = 120 = 006 2=240=048 200 Pp=120+240 = 0=514 a vo + 300 fly rother is can be quescrited cas: Ho: P1 EP2 0-6-0.48 0.5/4/1-0.514)/1 7 = 2.869 = P(Z72,869) = 00044

can be stated in Since PLL1 and hence quaportion of Mumbai voters in higher that the proposal proposal proposal surrounding Sui Ja) Null Heathers Altourathy lup otheris Hos P=0.20 11: 10 70.20 Ruiteal megion lies un might tail b) Null hypothesis Ho: 11=3 Munatine hey where H1: 43 in both till. confical negion c) Null hypothesis Alternative hypothesis contical region lies un left tail. H1: P< 0.15

d) Hull hypothesis Ho: 4=500 Alternative Jupothiss 11: 11/ 50 Muitian megéon lies un might e) Hull hypothesis Alternatine ly pothesis to: u=15 this in both 95 Let up and up population mean day company A and campany B Significance level 2 = 0.05 X1 = 1 2 Mij - 9.3 + 8.8 + 6.8 + 8.7 + 8.5 + 6.7 + 8.0 + 6.5 +9.2 +1.0 7. X1 = 795

no = 110 +98+9.9+10.2+10.1+9.7+110 + 111 + 10:2 + 9:6 10.26 Si = 1 \ \( \frac{\pi}{2} \pi \) \ \( \frac{\pi}{1} \) \ \( \frac{\pi}{2} \pi \) \ \( \frac{\pi}{1} \) \( \frac{\pi}{2} \) \( = 10.865 = 1.207 2.924, 20.345 ils we can see that sample variances sure quite different, it wannot be assumed that popular variance equal 10 ruse t-test-



1 = 7095-10.26 1.207 + 0.325. Two sided test, then value of test is identited ones under the density angue of f-distrubution unity 10 degreed of freed am. t1 = |-6.90|=6.90-le, the p-value is P-value = 2.p(17/1t/) = 2.P (17, 5.90) to. 0005(10) = 4.587 and vince It = 5,90 is ever gueder than P(TY, 5'90) < 0. 0005, 10 p-value < 000) ds P< 2, null Supportheris was be rejected in favor of attounate I mean mabusines is not same for the two. (ampanias: