

as sol Duracel thozy=4 Ha= MI & HZ n,=100 ×1 =308 5,267 5=84 $6\pi + 52^{2}$ $\sqrt{\frac{51^{2}}{n_{1}}} + \frac{52^{2}}{n_{2}} = \sqrt{\frac{81^{2}}{100}} + \frac{67^{2}}{100}$ = \fo.56+44.89 = \square 115.45 = 10.74 Z=(4-12)-(4,-12) 2 (308-254)-0 10.74 2 5.027 d20.05 + 1.96 -1.96 t1.96 5.027 .. We oreject neal hypothesis .. People prefuence's different

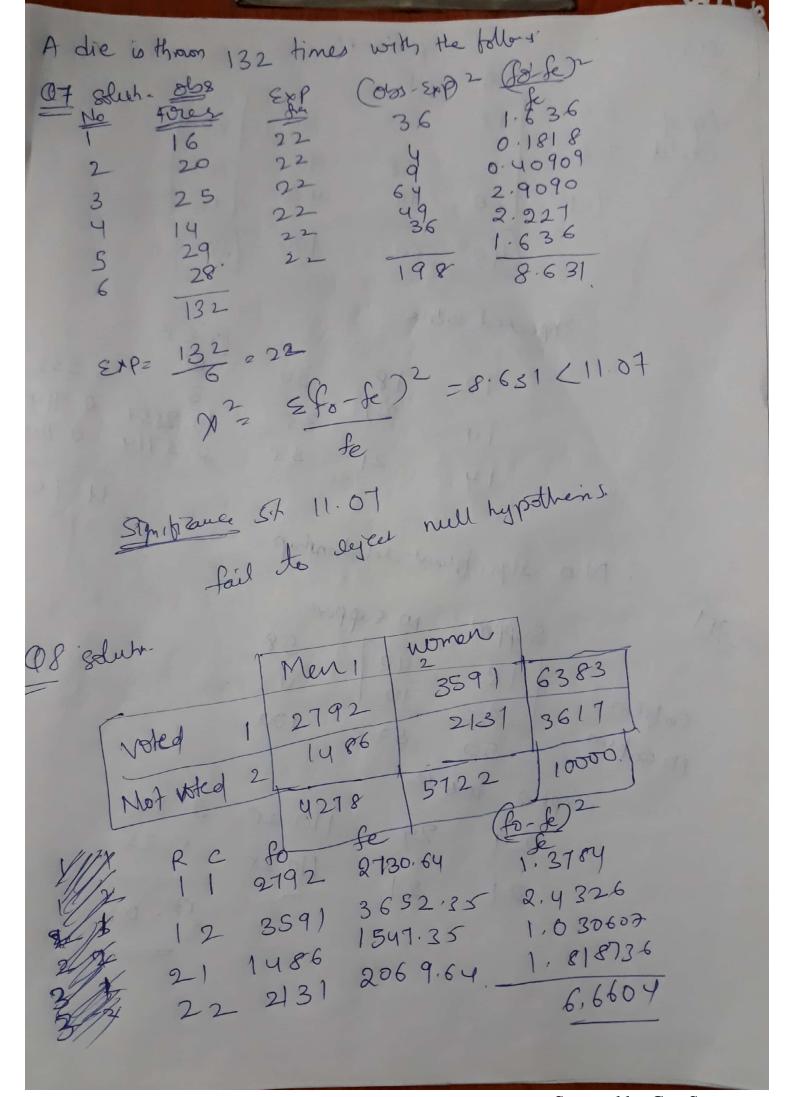
Q3 8d) Pice of Sugar Plice of Syc. M12 Rs 27.50 n1=14 1220.21 21 = 0.317 S220.11 S1=0.12 $Sp^{2} = \begin{cases} n_{1}-1 & S_{1}^{2}+(m_{2}-1)S_{2}^{2} \\ h_{1}+n_{2}-2 \end{cases}$ $= \sqrt{\frac{13 \times (0.12)^{2} + 8 \times (0.11)^{2}}{1049-2}}$ $= \sqrt{\frac{0.1879 + 0.0968}{21}} = \sqrt{0.01352}$ $= \sqrt{\frac{0.1162}{10.0135}}$ 5x1-x2 2 8p) n, + 1 2 = 0.01862 tut 9 = 0.1162 6.0714 +0.1111 200135 10.18251 2000506 $t = (\overline{x_1} - \overline{x_2}) - (H_1 - H_2)$ = (0.317 - 0.21) - (27.50 - 20.50)6/00 0.0 Y 2 0.107-7,50 0.045 de oreject null hypotheris 212 84.825 1.96

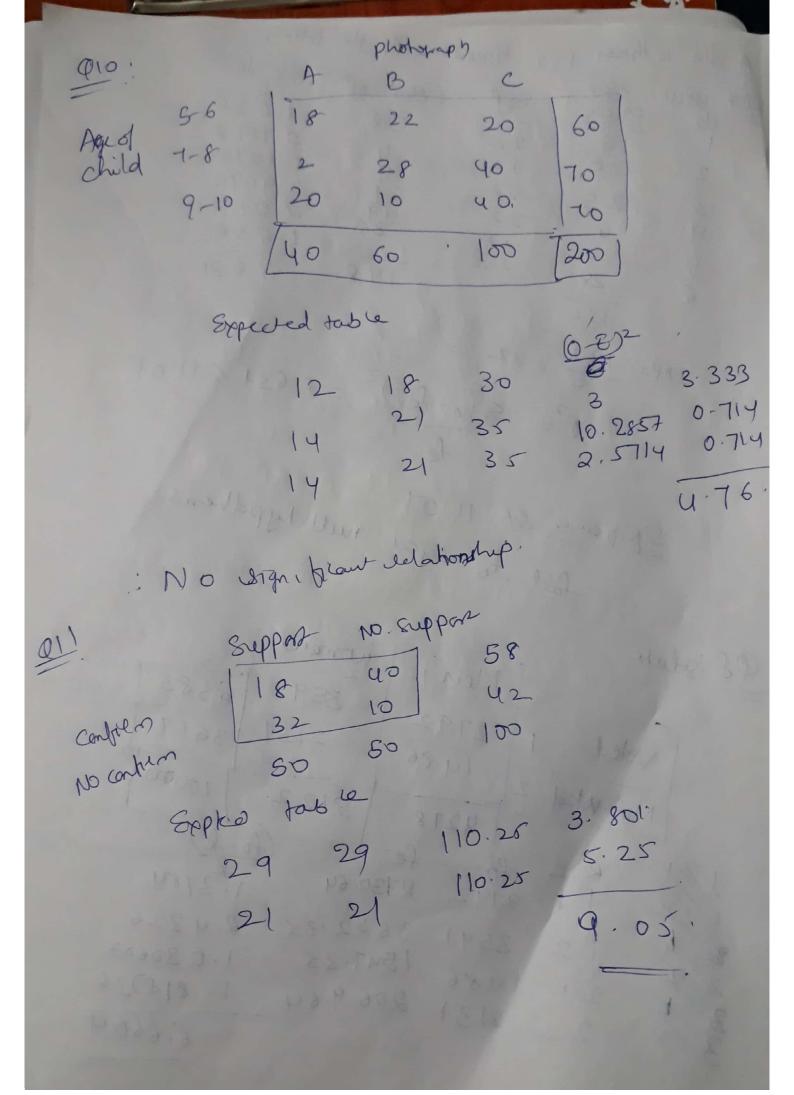
Scanned by CamScanner

04) After orductos Before oreduction n=12 h1=15 X1 = R8 6598 Sz - 669 S1= P3 844 Ho: H, & Sh H1: 11,>42 $\frac{5p_{2}}{n_{1}+n_{2}-n_{3}} = \frac{14 \times 844^{2}+11 \times 669^{2}}{15+12-2}$ = 9972704+4923171 $\frac{1}{59} = \frac{1}{595835} = \frac{1}{15} = \frac{1}{12}$ F 595835 0.066+0.0833 ve failed to oreject null hypothers No enough evidence de se increan in price.

1985 1980 D1=1000 n2=100 X2=43 X1 =53 P3=0.43 P1=0.53 P= 1800×0.53+100×0.83 $= \frac{530+\cancel{5}3}{1100} = \frac{5\cancel{7}3}{0.48} = \frac{9}{9}$ P1-P22 P096+ P. 9/2 2 0.53x0.48, 0.52x0.48 2 0.000249 + 0.00249 2 \$ 0.052 Z 2 0.53-0.43 = 1.923. ∠1.96. failed to legat reell hypothers.

06 with Sweepstakes. Sweepstakes N2=700 11=300 ×2=140 X1=120 P2=0.20 P1=0.40 H. PI-PZX01. $P = \frac{300 \times 0.40 + 700 \times 0.20}{1000} = \frac{120 + 140}{1000} = \frac{260}{1000}$ 620.2670.79 + 0.2670.79 = 0.26.2 V0.000641 + 0.0002148 20.03026 22 (0.40-0.20) - (0.10) 22 (0.40-0.20) - (0.10) 0,03026 3.304672 we reject mell hypothers.





Scanned by CamScanner

