Zaid Amin Raufin Soction : 0 ID: 20-42459-L Social: 13 10.2 we need to test Ho=P,=R=P3=P4 V3 H1:At least one of them doesn't hold test Test static, 2 2 2 - n $\frac{E_1 = \frac{n}{k}}{\frac{206}{9}} = \frac{\left(50\right)^2 + \left(42\right)^2 + \left(82\right)^2 + 82}{51.5}$ $= \frac{206}{9}$ $= \frac{21.5}{2}$ = 27.25Since X> X2 (k-D= > So, Ho is not accepted Hence, the properties proposetions of road actidents in rankons historye of Bongladely is not similar.

10.4 we need to test the! P1=P2=P2=P4 us Hi: at least one of the fende Student doesn't held the test static. χ= ξ<u>6</u> - ~ {(50)+ 450 + 150 + 150 } 2.5ince, $\chi^{\nu} > \chi^{\nu} (k-1) = 3 = \chi^{\nu}_{32} 7.81s$, It is not accepted. Hence, the proportions of Januar students in nations departent is not similaro.

Serial: 13 10.5/ let, 12-N (M, S), 6 is unknown

we need to test, H: M= Mo=2/4 A; MxHo

V: R= 1 200 = 215 X761.6 = 2415 S = 1 [(2) - ((2))]

= 16125.5- 380034.56

= 0.34 Test statistic: 2= -10 = 21.15-21

21.42

Since, 267 (0,1), So, Ho is accepted. Hence, we can consider the peopletron

10.7/ we need to test, 40: P=R=0.90US $H_1 = P \neq P$ Now, $P = \frac{4}{n} = \frac{8}{25} = 0.32$ $P_0 = 1 - P_0 = 1 - 0.40 = 0.60$ Test Statistic: $121 = \frac{1}{120} = \frac{120}{120} = 0.81$ Since, [2] (1.96), (1.96) is accepted.

It can be considered that 0.40 is the overall propositions of Lende Students in Aiub.