Bhavani Prasad Dohera Ro4 2011044

- 120.

For normal distribution, the on expected observations are,

\$ 0.15 x som = 0.15 x 600 = 90.

0.24 × 600 = 194

0 34 600 = 228

0. 18 x 600 = 108 10 0

0.05×600 = 30

degrees of freedom: 5-1:4.

 $\chi^{2} = \sum_{i=1}^{5} \frac{\{(expected value), -(observed value), \}^{2}}{(expected value);}$ 

= 8.358.

Significance level,  $\chi^2_{cnit} = 479.4188$ for d.o. 5 = 4. organificanco level,  $\chi^2_{cmt} = 7.979$ ale see that. 51. significance level  $n^2 < n^2$  $\chi^2 > \chi^2$ a 10-1ar 5-1. Significance local, Mho Herre. distribution is normal 6 At 10th significance level, the alistribution is not normal. of ahyment  $A = \frac{1}{N_A}(X_A);$ N = no- g lesses in A slupment A NA- data in 2 4.708 spipment A. Mean of supment B= NB \( \times \mathbb{N} \text{B} \); \( \text{NB} = \text{No. of length in \text{No. of length in \text{No. of \text shipmen B (MB) = 4:74. of supment A = 0.01of supment B = 0.006

F-Statistics

$$F = \frac{\sigma_{R}^{2}}{\sigma_{B}^{2}} = 1.848$$

cruncal volum of  $F = 2.845$ 
 $F < F_{control} = 0$ 

T-Alahanian

Alegrees of freedom:  $N_{A} + N_{B} - 2 = 19 - 2 = 17$ .

S<sup>2</sup>

(pooled volumes of five data sets)

 $N_{A} + N_{A} - 2$ 
 $N_{A} + N_{A} - 2$ 

From O b(1), we see that the lenses in shipment A and B are from the same population. MATTE 2 = 19-2-17 5-01/+ W 32.00.00 je . =