chi savare:

* It is a method used to check how efficient are 2 sets of data.

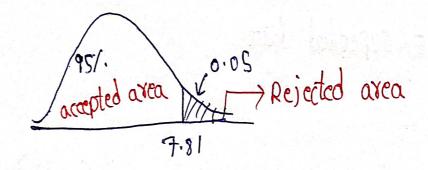
$$x_{J} = \frac{E}{\left\{\left(0 - E\right)_{J}}$$

o = observed data

E = Expected data

<u>eg</u> :				
Expected		observed	(0-E),	(6-E)2/E
n=4	(125	120	625	5
	125	200	5625	45
	125	loo	625	5
	(125	20	5615	45
d = 0.05 (given)				100

Fox dof 3, d = 0.05, From chi savare table, critical value = 7.81



As we got this source value we got is

greater than 7.81 i.e, 100 > 7.81,

we can consider Expected data is significantly

different from observed data.

F Test:

* It is used to Find the comparision of variances of two data sets

$$F = \frac{\sigma(q_1)^2}{\sigma(q_1)^2}$$

<u>e</u>9:

class size variance

(d=0.05)

A

20

2.5

R

20

1.8

95%.

O.O.S. Rejected Asea

degree of freedoms:

$$df_2 = N-1 = 20-1 = 19$$

At d=0.05 and dfi=19, dfz=19, From F-Test table, critical value is 2.20

$$F = \frac{2.5}{1.8} \Rightarrow \boxed{1.39}$$

:. As F value (1.39) < critical value (2.20)
we can say there is no significant
difference. b/w cbss A and class B.