	T OBSERVED F	
	95 7.	5 / -
T	1- ≪	of Risk
ACTUAL	Confidence	Type - I - Error
ACIOAL	(o '/.	901.
F	P Consumer risk TYPE-II - Error	1-13 Descriminating Power

If alpha = 0 means, Consumer is ready to accept all the products which ever is sending by your producer. So, parallelly Producer will Get a negligence towards their consumer chances of getting faulty products increases i.e Beta values increases

If Beta = 0 means, Consumer is not ready to accept any one product at least if something goes wrong while Manufacturing so parallelly Alpha gets increases that means instead of 5 percent rejection he will do more rejection Than agreed.

industries, generally & = either 11%, 5%, 10%.

-> In pharamaceutical industries L=10%.

→ Groods to NASA -> d = 20-1.

-> You need to interpret mentioning as how much value of it you have choosed.

NULL
HYPOTHESIS

(H₀)

TEST OF
HYPOTHESIS

(H₁)

ALTERNATIVE
HYPOTHESIS

(H₁)

Ho: Opposite of H,

H,: what we want to demonstrate by conecting the data

STEPS FOR TEST OF HYPOTHESIS

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- 1. Frame the Test of Hypothesis Null (Ho), Alternative(H1)
- 2. Collect the Data in favour of H1
- 3. **Define alpha** α = 5%
- 4. Calculated Tabulated Value for Z tab, T tab, chi square tab
- 5. Calculate the z values according to the scenario

6.
$$zcalc = \frac{\frac{x \ bar - \mu}{sigma}}{\sqrt{n}}$$
, $Tcalc = \frac{\frac{x \ bar - \mu}{sigma}}{\sqrt{n}}$, $^{2}calc = \frac{(n-1)s2}{^{\delta}2}$

- 7. Draw the picture and take decision
- 8. If my Zcal is falling under Critical region, then reject the Null hypothesis.
- 9. If my Zcal is falling under Accepted region then accept the Null hypothesis.
- 10. For any one sided Test if alpha = 5% then Z tab = 1.65.
- 11. For Two sided Test if alpha = 5 % then Z tab =1.96 on both sides.
- 12. If P < α (0.05), Reject Null Hypothesis. Accept Alternative Hypothesis.
- 13. If P > α (0.05), Accept Null Hypothesis. Reject Alternative Hypothesis.