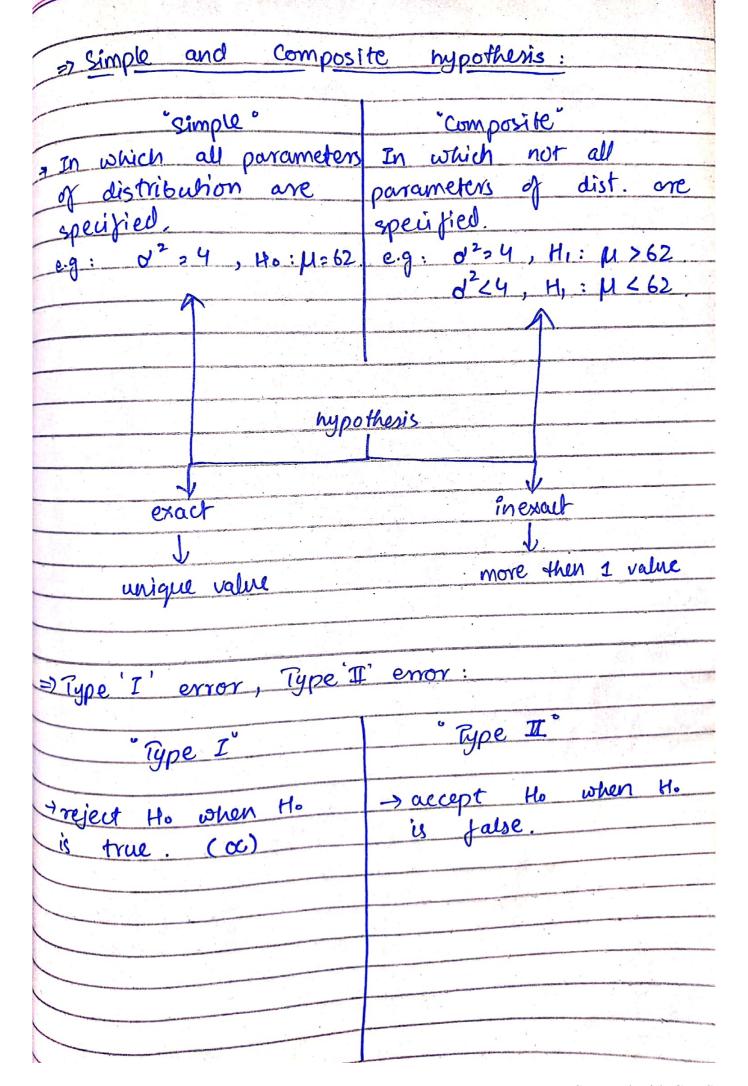
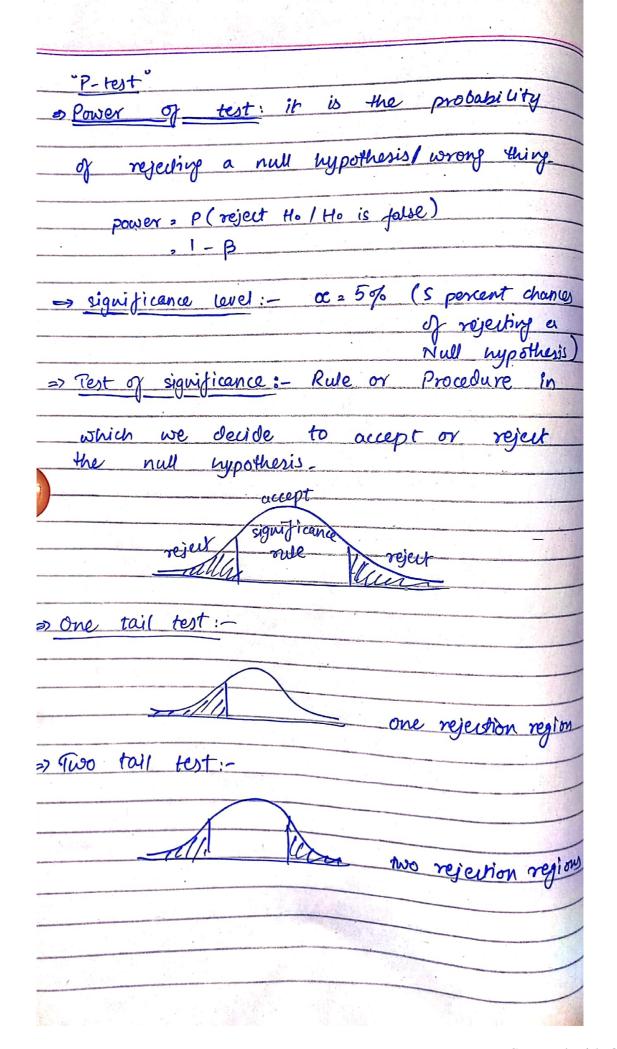
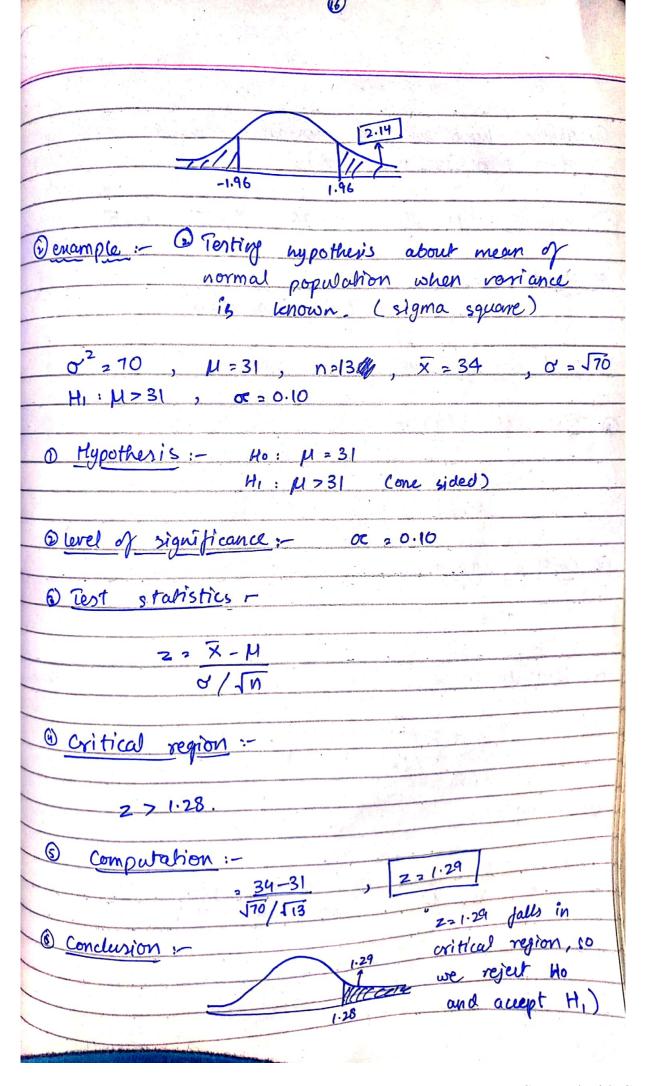
> Pesting of uppotheris:
to decide
Det: The process which enables us to decide
Det: The process which enable whether to accept or reject the statement whether to accept or reject the statement
on the basis of sample collected from
population.
· sample data support statement accept · u v deny u 2 reject
u deny u 2 reject
acuprance
11) region VIII
regedion region (critical region.
10 Nall hypothesis: (H.)
· which is to be tested for possible
rejection under the an amption that
it is true.
@ Alternative hypothesis: (H,) or (HA)
· accept when null hypothesis rejected.
y yuu
if Nall hyp. rejected that average
student is 6 feet, thou
if Null hyp. rejected that average college student is 6 feet, then Alternative hyp. accepts that average will be less than 6 feet, greater than 6 feet or not 6 feet.
sill be less then b feet greater then
6 feet or not 6 feet





(i) Testing hypothesis about mean of normal population when or is known.	
(1) resting hypothesis about the	
population when or is produce	
	111
Derample:- n=25, x=83, µ=80, 0=7	
Chick line	
a) Hundling Ha : M=80	1
O Hypothesis = Ho: μ=80 μ: μ≠80 (two side)	
μ : μ	
1 : 1 -t piere dlas)	
@ covel of significance: (if not given then)	
	121710000
cc = 0.05	
8 Pest statistics -	Ng pro
8) (0)	
(if sigma is known, then z-test)	
(4 SIGNIA 15 MICHOLIT) MOST	
2 2 X - M	
0/10	
@ Critical region:	21160
121 2 1.98	
	74
- A'	
@ computation:	
	-
283-80, 222.14	
1/525	
@ conclusion:	
(2 = 2.14 falls in critical region, so we reject the Good accept the)	
we reject to going accept the	
THE RESERVE TO SHEET THE PARTY OF THE PARTY	/



@ Non-normal population when n is large.
(1) example: n=100, √2.2600, s.D.2500
daim = $H_1: \mu > 2500$, $\alpha = 0.05$
O Hypothesis: Ho: № 5 2500
$\mu_1: \mu_2 2500$ (one sided)
@ level of significance: \\ \alpha = 0.05
1 Pest statistics:
2 2 X-H
S.P/Jn
1 Ochtical region:
221.645
1 Computation -
2600-2500 , 2 2 2
2600-2500 500/\(\text{(00}\)
© Conclusion.
1.64
(2:2 falls in critical region so we reject to and anapte H.)

(1)