T-test Bob- on the verbal section of CAT sermple of 25 test taken, has a mean of \$20 with 5 = 80 (sample)
c.J. 951. verbal sertion Avg. mark \$20 301M:-Ho = 520 H, 7 520 7 = 520 95 100 5 = 80X = 805 Two-feel Sonetail = 2/2 } 2/2 = 0.05/2=0.05 Tou-tail = 2/2 C.J. = 1 - 0.025

= 0.975

{ Sample snex30, S grent

$$t-test = \frac{1}{x} + t \left(\frac{s}{s}\right)$$

$$n = 25$$
 $n = 25 - 1 = 24 (D.if.f.)$ 

$$+ ve = 520 + t_{0.025} \left( \frac{80}{125} \right)$$

Avg (m-eam) = 520

Conclusion = We fail to reject null hypothesis,

Ho - we fail to reject nell hy.

H = we reject nucl hy. Accept automet hyp.

$$\overline{X} = 410$$

$$=)$$
  $< = 2.052$ 

$$= > \frac{410 + 2.052}{\sqrt{128}}$$

$$=>$$
  $410-2.052(72)$ 

Type-I Error

Typ-I Error.

Type -I Emm

person doesnot have concer.

Ho = doesnot have convery

H, = have concu

Error De mistaely proor HI

Type-II Errer

Ho = Kersen hous comeny. H, = doresnot have caners.

= me mistarth mouse 10