Date \_\_/\_\_/\_\_

MARCHER POLICE PART 2 YACE 2 SHORE & 100 C Assignments -> Statistics (All)

FocI

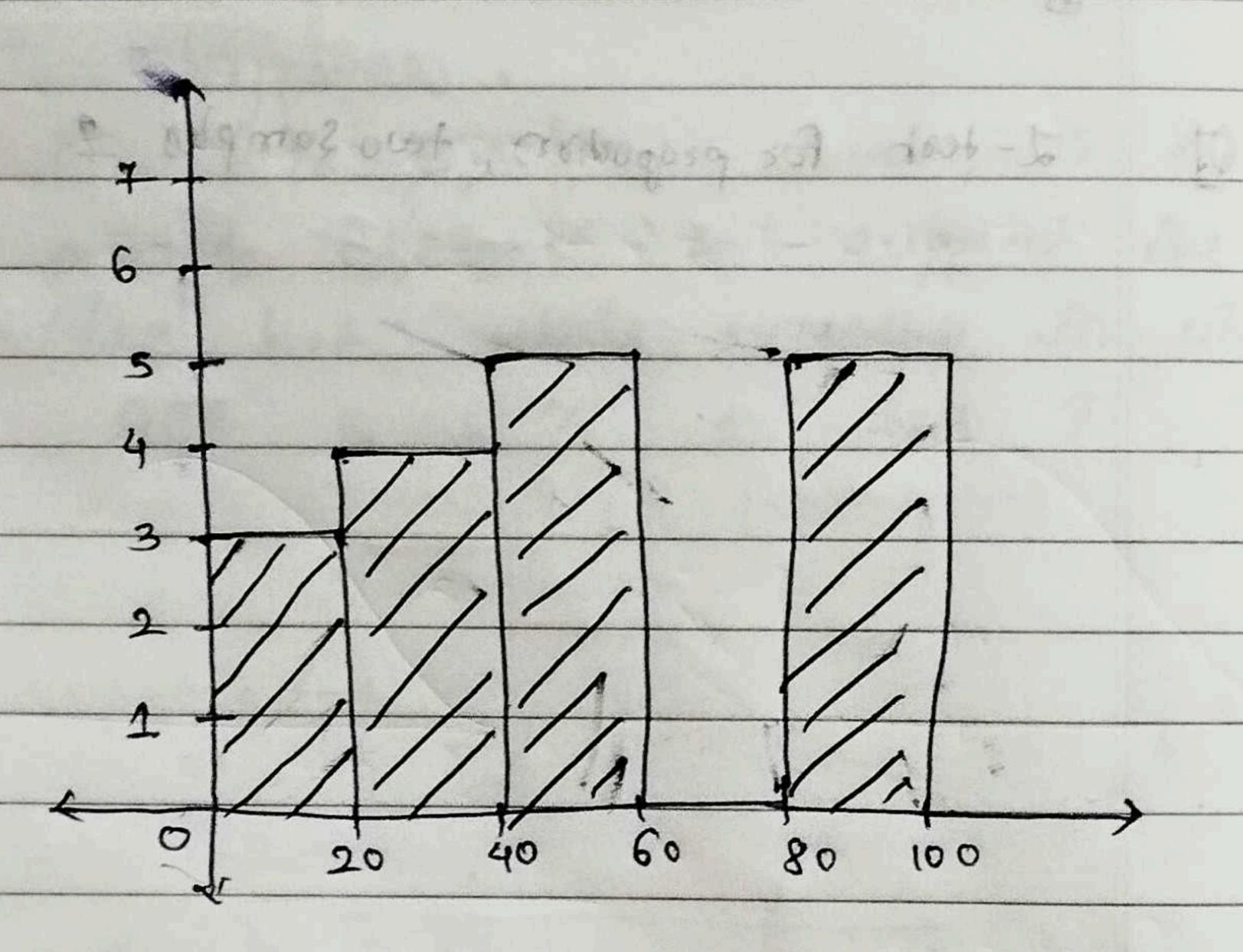
10, 13, 181, 22, 27, 32, 38, 40, 45, 51, 56, 57, 88, 90, 92, 94, 99.

to st exercise The Co - Specimen

The state of the s

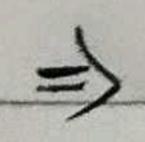
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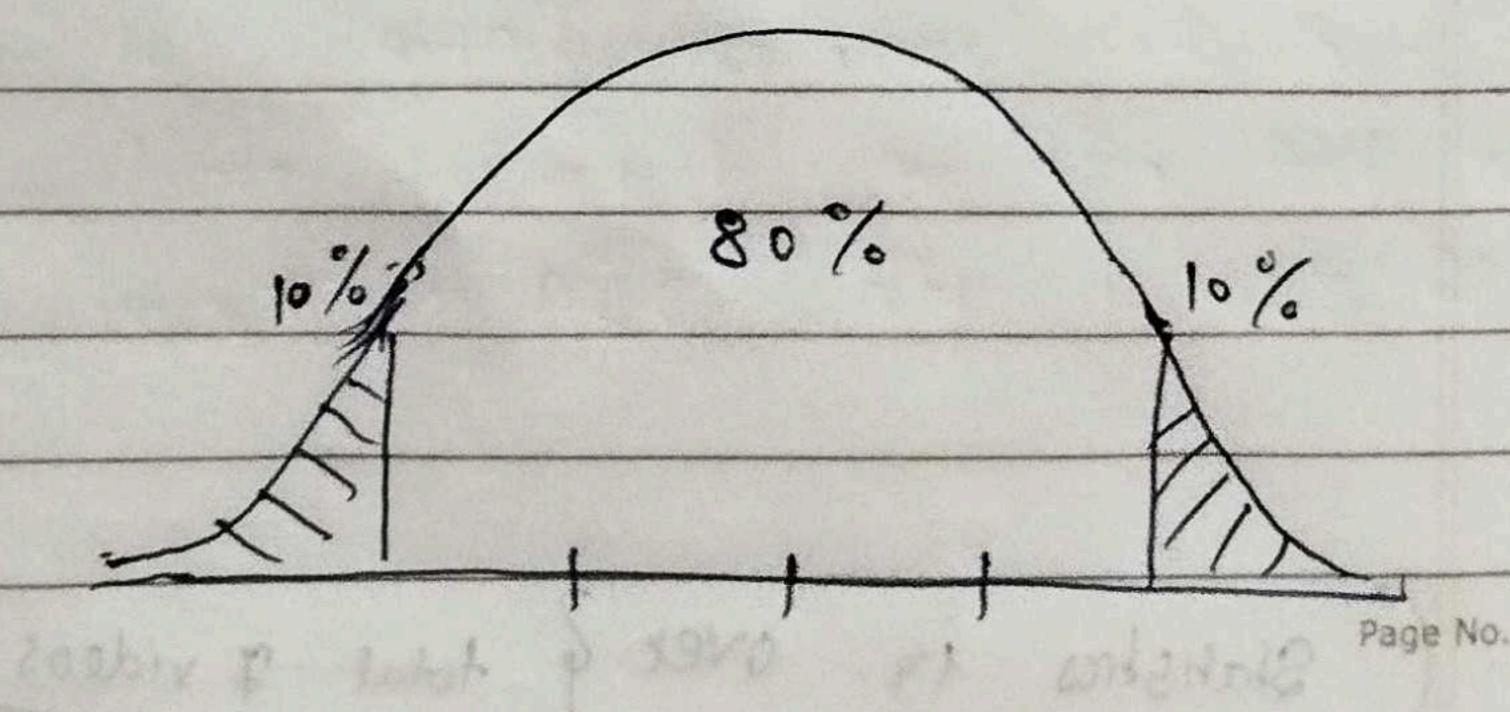
Conductivity of the rest Bins = 5 Bin & 20



Pa 2

In a quant test of the CAT exam. The population standard duration is known to be 100. A sample of 25 tests
faken. has a mean of 520. Construct an 80% cI about the mean.





here; = 0-2

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A=0.2/2 => £=>0.1

Degree of freedom, n-1 = 25-1 = 24

The total proportion for both fails is 0.2 in each toil propostion

t= 1.3178

Lower

520-1-3178

F 61-0-1 - 30-1 - 3

100 - 493.464 J25

20-3-9

520 + 1.3178

apper = 546.536 125

confident that the CAT excers 80% am between 493.464 to 546.536

A coar a believes that the percentage of cetizons Ex 3 in city ABC that owns a vehicle 15 60% de less. A pales manager disagrees with this. He condercted a hypothesis testing werveying 250 residents and found that 170 Evident : exponded yes to owning a toothrehide ont door anothis

a) state she need and alternate hypothesis. At a 10% proprietance level, is there up and residence to support the idea that

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vehide owner in ABC city is 60% or led.

H1: p>0.60 x - 17.

Whit dod sof codsogo ? = 1901 = 18-68 250 et las dons mi montres

Po = 0.60

134-661

ad the property

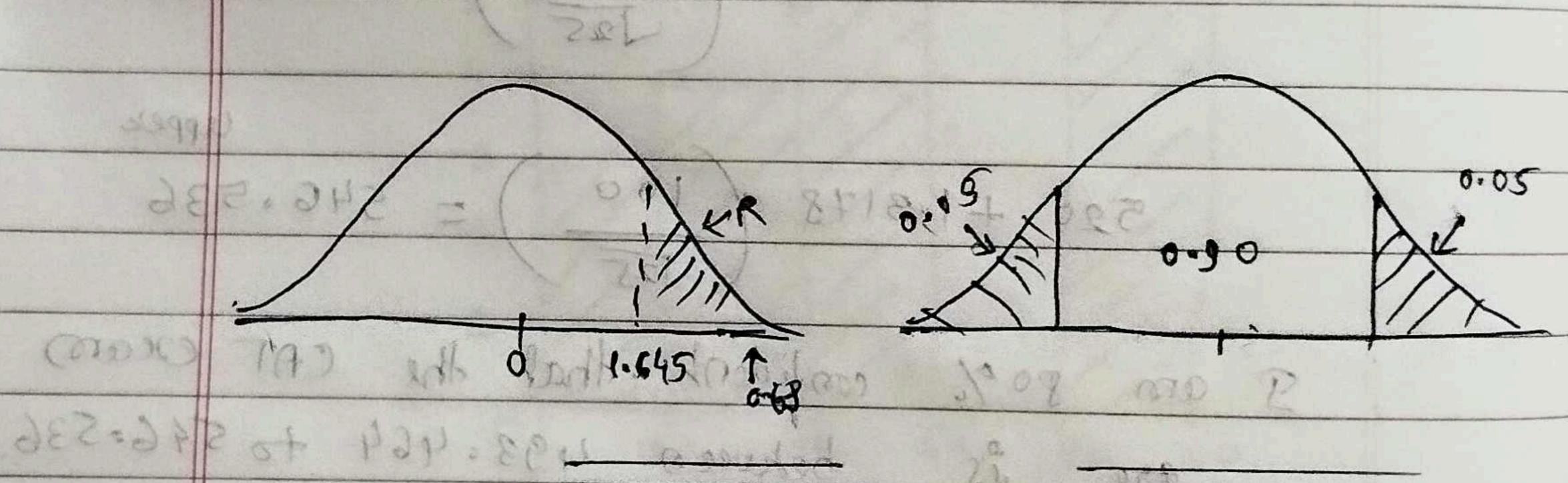
231/16

= 1-0.6 = 0.40 8+18 -1

001

C= 1-2= 1-0.10 = 0.90 = 0·10

500-1-3178 1



0.06 (0.40)

9 - 02.58 10-030984 

- All band bank dashions occ polity wood At a 10% significance level . Is there enough orderice to reject the idea that which Jounes In ABC ally 15 60% Ot less. The of

annesi jungia Look Har out Astagan, of assistance

What is the value of the 99 percentile? 2,2,3,4,5,5,6,7,8,8,8,8,9,9,9,10,11,11 55% 2,2,3,4,5,5,6,7,8,8,8,8,8,9,9,10,11,11 value = 99, 21 = 20. 79 In left and right skewed data, what is the scelationship between moun, modian, mode? Ex 5 Deaw the graph and supresent the same median ~ mode mean meau -skew + skew mode > median > mean. mean > median > mode