enam, the population std.

deviation is known to be 100.

A sample of 25 test takers

has a mean of 520. construct
a 95% CI about the mean.

soc = 100; n=25; 2 7 = 5do; CI = 80% $\alpha = 1 - CI = 1 - 0.8 = 0.2$ $Z_{42} = Z_{0.2} = Z_{0.1} = 1.29$ Lower bence = 2 - Zd/2 Jn. $=520-1.29 \times \frac{100}{\sqrt{25}}$

$$=520-1.29\times20$$

$$HF = 545.8$$

