Where, X = 52.80

$$n = 100$$

$$S = 4.50$$

$$t = \frac{\overline{X} - \mu}{S/\sqrt{n}} \Rightarrow \frac{52.80 - 52}{4.50/\sqrt{100}}$$

t= 1.78 we allpt the null pypothesis.

leve of Sign 1-1.

4, 734 Alt.

$$t = \frac{x - \mu}{s/\sqrt{m}} \Rightarrow \frac{32.5 - 34}{8/\sqrt{50}} = \frac{-1.5}{1.13} = > -1.32$$

Critical value at 1-1 ± 2.58

Q.1.

$$t = (s_1 - s_2) H_0$$

$$\frac{S_1(1-S_1)+S_2(1-S_2)}{n_1}$$

$$\frac{n_1}{n_2}$$

$$\frac{.23}{\sqrt{.2491 + .16}} = \frac{.23}{.0288 + .015}$$

Scanned with CamSca

$$0 \in 0-\epsilon = (0-\epsilon)/\epsilon$$
  
 $41 = 25 = 16 = 10.24$   
 $19 = 25 = -6 = 1.44$   
 $24 = 25 = -1 = 0.04$   
 $16 = 25 = -9 = 3.24 = dot = 4-1 = 3$   
 $14.96$ 

Q.6 
$$H_0 = H_1 = H_2 = H_2 = M = mean$$
  
 $H_1 = ony one is diff.$ 

C

2

$$\frac{X - A}{9\sqrt{n}} = \frac{147 - 145}{20\sqrt{200}}$$

$$= \frac{2}{20/14.14} = \frac{1.41}{200}$$

Valle = 1.41 which is Small the 1.64 Mul hypalepled

$$40 = 145$$
 $41 = 145$ 

$$2 = \frac{147 - 145}{100 \sqrt{n}} = \frac{2}{100 \sqrt{n}}$$

= 70.142

$$X = 70.143$$
  
 $S = 1.67 \Rightarrow 70.143 - 72$   
 $M = 72$ 

n = 7 =  $\frac{-1.857}{.632}$  =

= -2.938