



	Page No.
Q.3	A Caro Company believes that the Percentage of
	oresidents in City ABC that owns a vehicle
-019	is 60% or less . A sales managen
3363	disagrees with this. He conducts a hypothesis
	testing surveying 250 residents and found that
	170 responded yes to owning a vehicle.  State the NUII & Alternate Hypothesis
(a)	State the Null 4 hiternate rigionesis
(6)	At 10%. Significance level, is there enough
-	evidence to support the idea that vehicle ownership,
	in city ABC is 60.1. 08 less!
117	STEP 2. Ho: P. 60% (HM Hypothesis)
8/	STEP 1. Ho: P. 260%, (HUM Hypothesis)
	$H, P_0 > 60 / (Alternote'')$ $g = 0.4, p^2 = \frac{170}{250} = 0.68$
	n 250
	STEP 2. \( \alpha = 0.1
	STEP 3. Decision Boundary
	One-tail test
	Accept
	( O.12
	L 001.
	Rejut
	No. of the second secon
	0.6
	STEP 4. Col Wate Z-fest Statisticy
	$z = \hat{p} - P_0 = 0.68 - 0.60 = 2.5$
	$\frac{7}{7} = \frac{\hat{p} - p_0}{\sqrt{p_0 + p_0}} = \frac{0.68 - 0.60}{\sqrt{0.6 \times 0.4}} = \frac{2.5}{\sqrt{0.6 \times 0.4}}$
	STEPS. Conclusion.
	AS 2=2:571-28 Rg ent the HUII
	Hy Potusis
	b) No, A 10:11 steel, idea is not enough
	to support