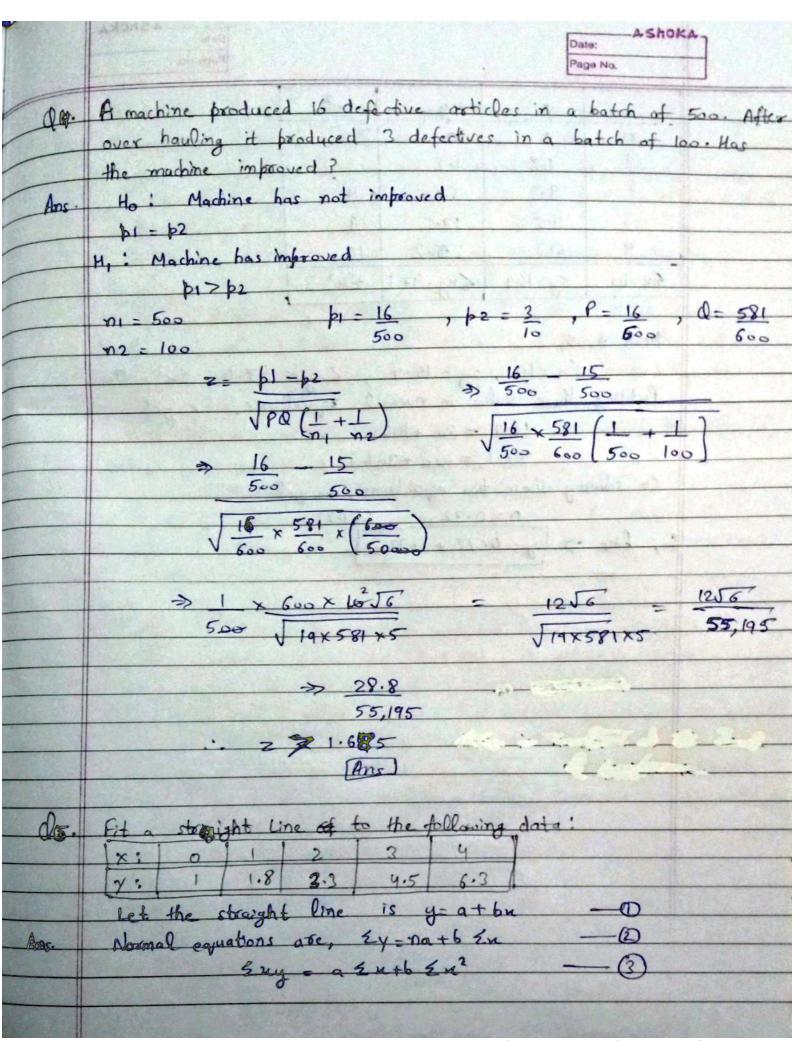
V	THE RESERVE OF A	CONTRACTOR OF THE PROPERTY OF
		ASSIGNMENT -2 Date: 01/09/2022
A STATE OF		Name: Sahil Kaundal UID: 21BCS8197 Page No.
1		
	0	In a fundom sample of 200 people in a city, 108 like to purchase
	0.74	imported watches and the remaining like to purchase local watches. Can we
7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	conclude that both the imported and local watches are popular in the City?
1	Ans	$P = n_1 p_1 + n_2 p_2$
1		71+02
4		Q = 1-P
+		Z= -p1-p2
+	The same	$PQ\left(\frac{1}{n_1}+\frac{1}{n_2}\right)$
+		
1		$n_1 = 2aa$
+		$n_2 = 2\sigma_0$ $b_1 = 1.8$ $12 = 30$
		$p_1 = 108$ $p_2 = 92$ $p_3 = 92$
		P= 200 × 108 + 200 × 92 200 = 200   -0.5
1		200 + 200 450 2
-		P=0.5
+		Q = 1-P
+		d= 1-0.5
+		(d= 0.5)
1		
1		$\frac{2}{200} = \frac{108}{200} - \frac{92}{200}$
		0.5 x 0.5 (1 1 ) 6.25 (1 x 200+ 1 x 200)
		[108 92/200] Los 92 100
		200
		=> 0.08
		0.25 (1 x 50 , 1 x 100) 0.25 (1 x 50 , 1 x 50)
+		(27 48 ) (27 23°)
+	1	. 0
+		0.25 (1.95 + 2.17) 0.25 (4.02) 1.005 Scanned by Scanner Go
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	Date Page No.
The second second	Two types of new cars produced in India are tested for petrol mileage. One group consisting of 36 cars overaged 14 kms. per litre. while the other group consisting of 72 cars averaged 12.5 kms per litre.
(a)	What test defistic is appropriate, if
(6)	Test, whether there exists a significant difference in the petrol consumption of these two types of cars. (Use alpha = 0.01)
dos.	Mean Size
	$\frac{1}{\sqrt{1}} = \frac{14}{\sqrt{1}} = \frac{1}{\sqrt{1}} = $
	1 2 + 52 >> z = 14-12.5
	$ \sqrt{\frac{1.5}{36} + \frac{2.6}{72}} $ = 1.5
	$\sqrt{\frac{3 \cdot 0}{72} + \frac{2 \cdot 0}{72}} = \frac{1}{6}\sqrt{\frac{5}{2}}$
	$= 1.5 \times 6\sqrt{2}$ $-\frac{3}{2} \times \frac{36\sqrt{2}}{\sqrt{5}}$
	= 3 × 6√2 -3 × 6√2 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -
	$=\frac{4J_2}{\sqrt{5}} > 1.966$
	1. No 15 Negeries.
1	
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100	



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) N	7	ny	x2	MARK SECOND
0		0	0	
1	1.8	1.8	18 18	
2	3.3	6.6	ч	
3	4.5	13.5	q	
4	6.3	25.2	16	A STATE OF THE
En=10	Ey=16-9	<del></del>		ed sad
The same of			-	THE PARTY OF THE
Here n.	-5,	A CONTRACTOR		Maria Dec
	En=10,	En = 16.9	¿ Long =	47.1 , En = 30
Putting	these val	ucs in Norm	el cquab	47.1, En? = 30
		= 5a +106		PV
		= 10 a + 30		
			ms, we get	
	<b>a</b> =	0.72,	6=1-33	
So, line	> y=0	.72 + 1.33		
	U			
3 16 2	Tank .		66.7.2	
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4- 6-13	mA 4.	42/		
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