STATISTICS DA-2	
Name: KULVIR	
SINGH	F
leg. No: 19BCF2074 Anc 1:	
** ** ** ** ** ** ** ** ** ** ** ** **	
m = 100 H = 20.5	ľ
7 = 28·5	
C = 6.35	
Ho ; $\bar{n} = \mu$	F
ie. sample is drawn-from above population	
installings ment neighbor estimate	
H,:	
test stadistic Z = 2-4	_4
OSR standard test	
z = 28.8 - 20.5 = -1.7 = -0.0267	-5
6.35 1100 63.5	4
Tabulated value	-5
Za = 1.96 at 5 % 10 level	
2  2  = 0.0267	
calculated malne	
121 4 24	100
CV 4 TV	
:. We accept mell hypothesie Ho	_
ie sample is drawn from the	-
ie sample is drawn from the population of mean 30.5	Salva - A Pill
	200
and the second of the second o	

N = 1000 m2 2 2000 カル = 67.5 72 = 68.0 C = 2.5 sing = man, nowing samples drawn from population カル キカレ test statistic: 1 - 2 = 1 - 71 - 21 - 21 - 21 - 2.76  $\sqrt{\sigma^2 + \sigma^2}$ 2 = 68 - 61.5 2.5 1 +1 Z = 5.163 (CV) |Zx = 1.96 for 5% level samples are not drown.

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Ano 3
   M, = 400 (men)
    N2 2 600 (women)
   P. (men in favour) = 200/400 = 0.5
P2 (nomen in favour) = 325/200 = 0.541
considur
     Ho: P, = P2
  in favour is same
        P1 + P2
 How
             / (n, +1)
   P = 200 + 325 = 0:525
      15 x.30 = 0001324
        0.475
         0.041
                               0.41 50
       200 (2 3)
      2 - 1.296
      Zx: 1.96 at 5% level
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per proportions of men enomen are equal 1000 m = 900 H = 2.25  $\sqrt{2} = 3.4$ T = 2.61 SD = 2.61 given cample drawn from population 7 + H, : 2 + M  $z = \frac{\bar{n} - \mu}{\sigma / \sqrt{m}} = \frac{3.4 - 3.25}{2.61 / \sqrt{900}}$ Z = 0.15×30 = 1.734 for 5.1. level  $\frac{2 \cdot 61}{2 \times 121}$ ie sample is from given population

95% amfidence limits of true mean X ± 1.96 E  $= 2.4 + 1.96 \cdot \left(\frac{2.61}{20}\right) \times 3.4 - 1.96 \cdot \left(\frac{2.61}{30}\right)$ 5) 3.57 4 3.23 limit =) (3.23, 2.57) 4no 5: יושוי 77, = 49  $\frac{N_1 = 1000}{N_1 = 47}$ J = 28 J = 40 Null hypothesis Ho!  $\pi_1 = \pi_2$ in no significance diff. Ho reages Alt. hypothisis H, = \$\bar{n}\_1 \pm \bar{n}\_2  $2 = |\vec{n}_1 - \vec{n}_1| = 20 = 1.41$   $|\vec{n}_1 + \vec{n}_2| = |\vec{n}_1 - \vec{n}_1| = |\vec{n}_1 - \vec{n}_2| = |\vec{n}_1$ |Zx| = 1.96 (at 54. level) |Zx| 7 |z| : Ho is tone No significant distance 6/2 mage