Name - Arioueth Ransal AULI NO. -> 1022 83008 Parameter Evaluation: group - 30012 $f(x) = \frac{1}{\sqrt{2\pi} 6^2} e^{-\frac{1}{2}(x-u)^2}$ $\frac{\chi_{1}, \chi_{2}, \chi_{3}}{L(\chi_{1}, \chi_{2}, \chi_{3} - - - \chi_{n})} = 8 \text{ample of eige } n$ $= \frac{\chi_{1}, \chi_{2}, \chi_{3}}{L(\chi_{1}, \chi_{2}, \chi_{3} - - - \chi_{n})} = f(\chi_{n})$ $= \frac{1}{\sqrt{2\pi6^2}} \left(\frac{1}{262} \right) \cdot \left(\frac{1}{\sqrt{2\pi2}} \right) \cdot \frac{1}{262} \cdot \frac{1}{\sqrt{2\pi2}} \cdot \frac{1}{262} \cdot \frac{1}{$ taking In on both sides. $ln(L) = -n ln(2n62) + \frac{2}{2} \left(\frac{2n^2-4}{282}\right)$ 2 ln(1) = 0+ 5 - (2(xi-4)) = 0 => g (n;-u) 20 7x-7M 20 2) 8, = X FZM $\frac{\partial \ln |U|}{\partial 6^2} = \frac{n}{26^2} + \frac{n}{(21)} - \frac{(n_1 - 4)^2}{26^2} = 0$ $z - n + \frac{2}{\xi} - (\frac{\eta_{i} - u_{i}}{2})^{2} = 0$ $\delta^{2} = \frac{1}{\eta} \left(\frac{\xi}{\xi} (\frac{\eta_{i} - u_{i}}{2})^{2} \right) \xrightarrow{\eta} \left(\frac{\xi}{i z} (\frac{\eta_{i} - u_{i}}{2})^{2} \right) \xrightarrow{\eta} \left(\frac{\xi}{i z} (\frac{\eta_{i} - u_{i}}{2})^{2} \right)$

Name	Anioudh Baneal
DO NO	- 102283008
Goog →	30012
D2.	$m_{C_{\mathcal{H}}} \theta^{\mathcal{H}} (1-\theta)^{m-\chi}$
92.	
	L= Tr Cx. Bxi (1-0) n-xi
	i=1
	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	taking log on both sides
	$\log L = \frac{\mathcal{E}\left(\log\left(m_{C_{N_i}}\right) + \log\theta^{N_i} + \log\left(1-\theta\right)^{m-N_i}\right)}{\log L}$
	•
	$log L = \sum_{i=1}^{n} \left(log \binom{n}{l} A_i \right) + log \theta \sum_{i=1}^{n} A_i^n + log \left(1 - \theta \right) \sum_{i=1}^{n} \left(n - A_i \right)$
	dly 1 2 0
	$\frac{3}{0}\frac{1}{5}\frac{27i}{1-9} + \frac{1}{1-9}\frac{2\pi i}{1-9} = 0$
	0 1-8 1-0
	1 Exi = n2
	1
	$\theta = \frac{\xi \chi_i^{\circ}}{n^2}$ The second s
	$\overline{n^2}$
	
/	