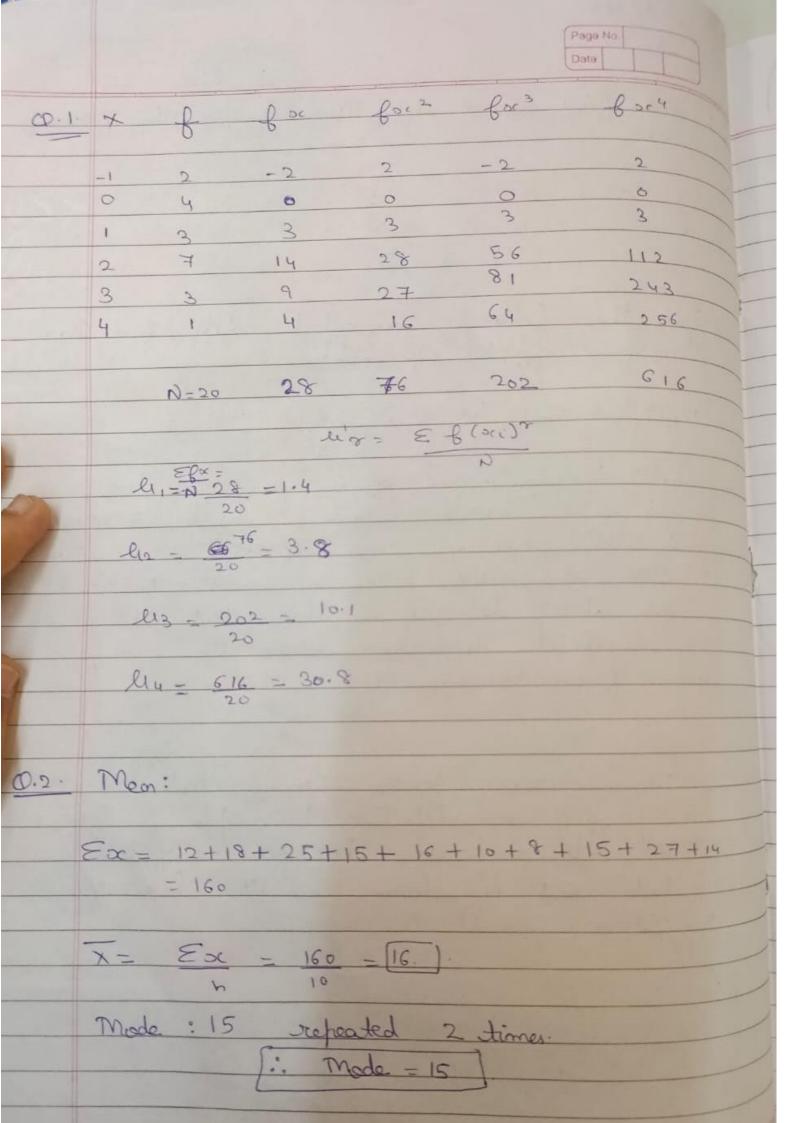
	2100001
01)	find first H Raw moments for the pollowing data
	x -1 0 1 2 3 4.
	f 2 4 3 7 3 1
82]	for the following ungrouped data fled Karl pearson's
	a coefficient of skewness.
	12,18,25,15,16,10,18,8,15,27,14.
93)	The avg income of 100 men in a city is \$15,000 With 3.D \$8500 and the avg income of 100 women Pro FR,000 and 3.D. \$9000 and it be said at 15% level of confidence that there is a significant difference. botween the avg income of men
	difference botasser
	women.
9 4	A manufacturer claims that 10% of his percolucts & selected deposition defective of sampler of 300 is selected at random at has 32 defective product. Test his dain at 1% level of significance.
	SOLUTION
Q2	$ \begin{array}{c cccccccccccccccccccccccccccccccccc$
	$SE = \frac{101)^{2}(5)^{2}}{100} = \frac{(8500)^{2}}{100} \frac{(900)^{2}}{100}$
	= 875-35 (845) =



For Stordard Dovintion (+). $Ex^2 = (12)^2 + (18)^2 + (25)^2 + (15)^2 + (16)^2$ + (10)2+(8)2+(15)2+(27)2+(14)2 - 144+ 324+625+225+ 256+100 +64 + 225+ 729+ 196 $\sigma = \left\{ \sum_{x} (x)^2 - (x)^2 \right\}$ = 2888 - (16)2 = 532.8 T = 5.727 Karl Pearson's applicient of Skewness SK = Mear-Mode = 16-15 - 1 5.727 S.727 = 0.1746 0.1746 >0 134F1.0 - 48:

0.3. Maan X= N-100 X - 15000 SD- 8500 - (8500)2 + (8000)2 100 = 1237.94 121- X1-X2 S.E. = 15000 - 12000 1237.94 2.42 > 1.96 Ho is Rejected.

= 4.2071 (2) = X1-X2 = 120-90 4-2091 = 7-130 97. A manufacturer claims, that 10% of hi Ps defective & sample of 300 items selec random had 32 defective Hem. Test lis at 1% level of significance (Af 1% elignificance the valle of 2018 Ho = IT =10% = 10 = 001 HI= TT+10%= 001 = 300 , p= 32 = 0.1067 300 9=1-0-1067=0-8983 ZX = 1% = 2.58 SE = 10.1067 X 0.8933 = 0.0178

Bloss - 0-1067 0.0138 = 40003764<2.58 to is appected. 8. An old machine produced 10 batch of 300. After the sens