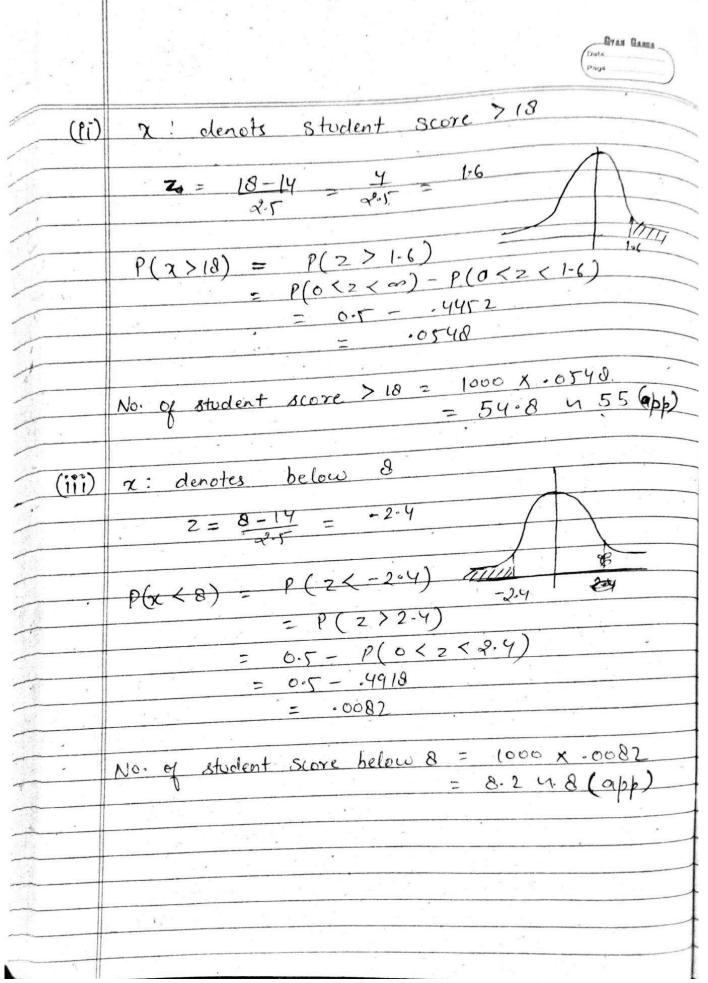
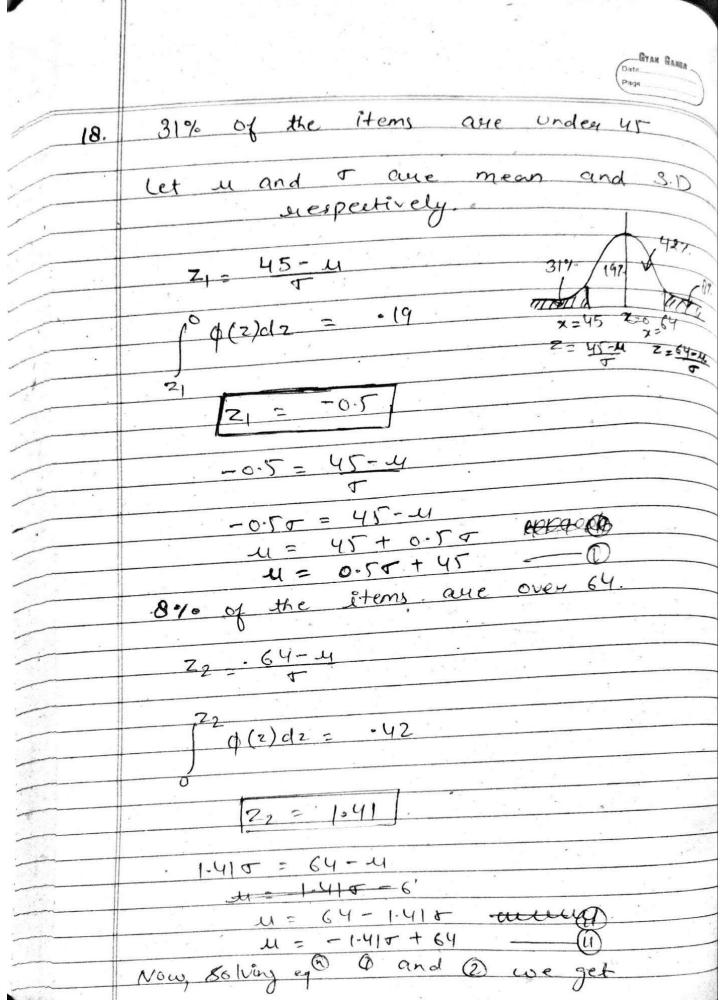


	Eyan Ganga
	/ Date
	No. of Battery Jell life 6/20 10 < x x 10 = 100 10928
	1 100 40 38
<i>(</i> -1)	£ 9.88 de 3/9/1
	$P(10<\chi<15) = P(-0.67<2<1)$
	= P(-0.67 < z < 0) + P(0 < z < 1)
	= P(0<.2<0.67) + P(0<2<1)
	= .2485 + .3413
*	No. of buttery = .5898. cell life b/w = .5898 x.60
	cell life b/w = . 5090 x.600
	(10< x < 15) = 50.98 %. A
12.	N=1000 cases. 9 11=14, 0=2-5
(1)	x: student score b/w 12 and 15
	P(12 < x(15) =
	Z1= 12-14 -2 -0.8
t _e r	$\frac{21 = 12 - 17}{2 \cdot 5} = \frac{-2}{2 \cdot 5} = \frac{-0.8}{1}$
	\triangle
	70 15-14
	22 = 15-14 0.4
	-0.8 0.4
	P(12 <x<15) =="" p(-0.8<z<0.4)<="" th=""></x<15)>
	= P(-0.8<2<0) + P(0<2<0.4)
	= p(o <z<0.8) +="" p(o<="" th="" z<0.4)<=""></z<0.8)>
	= .2881 + .1554
	= .4435
-	
- -	No. of Student score b/w 12 415 = 1000 x . 4435
	= 443.5 h
+	= 4434 (app)
+	



EYAN GANGA . 2: denotes weight of envelop. u = 1.9 gm , $\sigma = 0.01 \Rightarrow \boxed{\tau = 0.1}$ P(x≥2) Z-2-1.9 10 $P(\chi \geq 2) = P(\chi \geq 10)$ = P(0<2<00) - P(0<2<10) = 0.5 - . 3413 = .1287 No. of envelops weighting 2gm or more = 1000x = 158.7 4 159 (app) P(x ≥ 2.1) (ii) $2 = 2 \cdot 1 - 1 \cdot 9 = 0 \cdot 2$ P(x \(\frac{1}{2}\)!) = P(z \(\frac{1}{2}\)?) = 0-5- P(0<2<2) = 0.5 - .4772 = 0.0228 No. of envelops weighing 21 gm or more = 1000 x . 0228 = 22.8 4239



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