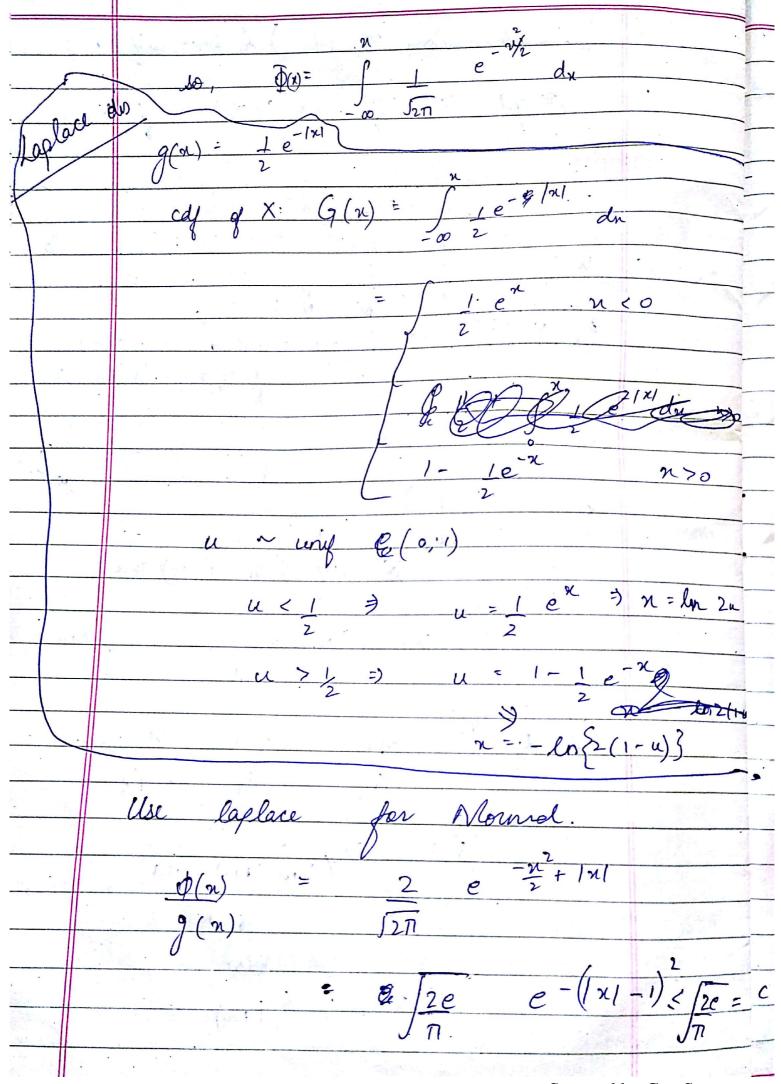
	Beta dis
1 13 .	1 (x) = 1 x 11-w2 PAGE:
4 14 2	$\frac{1}{B}(x) = \frac{1}{2} \qquad \chi' = \frac{1}{1-u^2} \qquad \frac{1}{DATE}$
	OEVE
K.	$B(\alpha_1, \alpha_2) = (\alpha_1, \alpha_2)$
	$A = \{ \alpha_1 + \alpha_2 \}$
	To Manimize ((u),  In f = lm(+ (v,-1) ln x + (z-1) lm(1-x)
6.	
	$\chi^{\circ} = \alpha, -1$
	$\chi^{\circ} = \alpha_{1} - 1$ $\alpha_{1} + \alpha_{2} - 2$
	Alg
1.	Generate U, V2 ~ wrifon (0,1)
2-	Step S, & Accept U, y
	cuz < ((ui)
	cuz < f(ui) or gio 1
-	
	Normal dis
	$g(n) = 1 e^{-n^2/2}$
	$\sqrt{2\pi}$
	$f(u) = 1 e^{-\frac{1}{2}\left(\frac{x-u^2}{\sigma}\right)^2}$
	J271 o
	$\times, \sim \phi(n)$
	X= .0 X, +u
	X, ~N(6.1)



PAGE: DATE: Generate  $X_i \sim g() k v \sim unif(o,1)$ Accept  $X_i \neq c v g(X_i) \leq f(X_i)$ X,: Py W = - ?  $P[X \leq n] = F_n(n) - \int_0^\infty dx$ Par y NN  $u \in [0,1)$ for ing {x n E(x) > u} & inf { n: f(n) > u} X= [Nu] +1 if Nu 9 Int P2 P3 X (Int (Nu), +1) if Nu &Z : x (Nu) Xc

	PAGE:	
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	Christ	2
	Generale U, Uz	
and the same of th	Stef 1 Generale U, Ur 2 Set X = Int (U,N) +1	
Control of the Contro	det 1 state ( 4710 ) T	_
No. of Contract of		-
	3 Accept X if	
	if Cox dor C. Uz. 1 & p	7.3
	N N	
	C = man Pi	Į.
	C = mar _Pi	- 3
	/N	-
-	$\mathcal{U}_{-1}$ , $\Lambda$	- 3
	Hay Normal	
•		
	$f(x) = 2 \phi(x)$ $= 2 e^{-x/2}$	
32.3	$= 2 e^{-1/2}$	
	- 52π · · · · · · · · · · · · · · · · · · ·	
		1
	$g(x) = e^{-x} \qquad x = -\ln(1-u)$	
		- 4
	$f(x) = \int_{0}^{2} e^{-x^{2}} dx$	
	$f(x) = \int_{0}^{2} e^{-x}$	- 4
		1
	$C = \int_{\Omega} e$	
The same transport of the same of	J T7	
Company of American Company		
	A Arcopt X	
	$C(1) \times C(2) \times C(2)$	
	A Accept $X$ , $u$ $Cug(x) \leq fg(x)$	
<b>*</b>	U U	
32		
	Theoretical acceptance probability = &1	10
	C	_