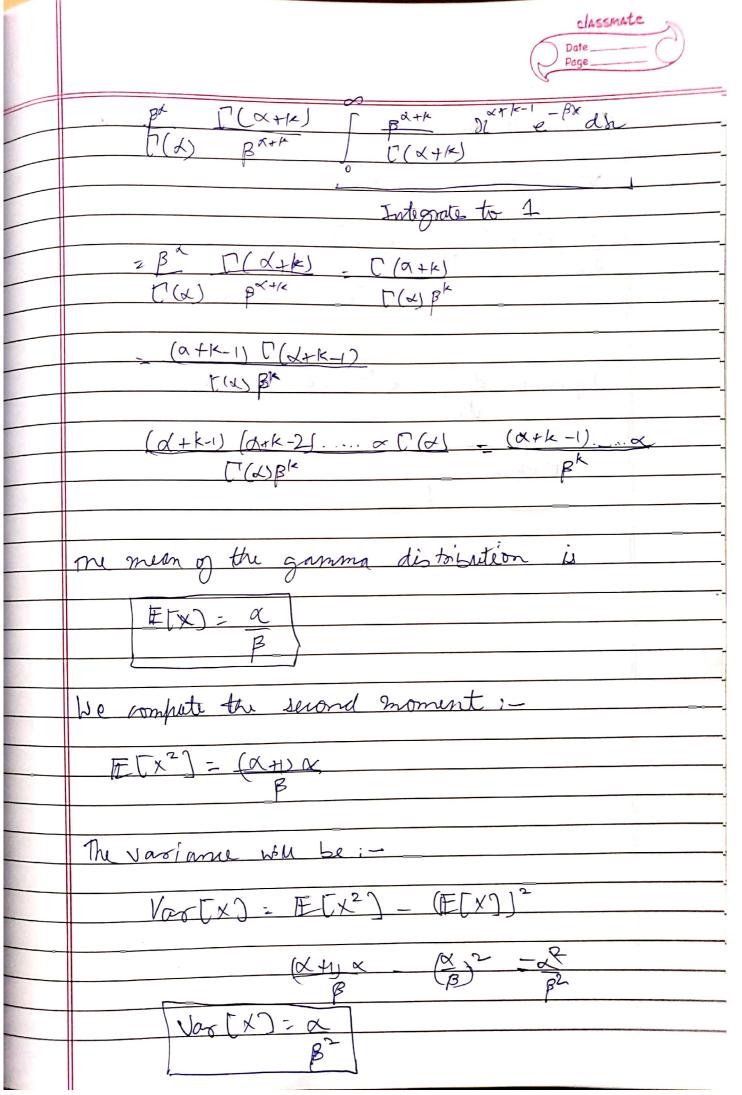
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F—:	man Manda
	Cramma Distribution (Mean, Variance, Mode)
	T downed to
	The gamma junction (d) B agrice
	7 1 2 1 4 1 6
	0
	Dividing (a) he get.
	Ø 84
	$1 = \int \int x^{\alpha-1} e^{-x} dx = \int \beta^{\alpha} y^{\alpha} (e^{-\beta y}) dy$
·—·) E(d)
<u></u>	m'aldal N= By
	where we made a change of vontre
·	Where we made a change of voriables of By. Therefore if we define
<u> </u>	f(x(x, B) = 9 Bx x-1 e-Bx)(20
	f(x/x/p) ~ f(a)
	- 2 - X<0
·:	then of (Su/a, B) is a P.D.F as it is bogrates to I and is non-negative.
<u> </u>	1 and 4 non-negative.
·	DAINIL SILE III AS LITE AT 15th a sit of
·	Samma distribution
·	Samma also bullot
·	Elxk) = [KBa Xa-1-Box dx
·	T(X)
	De the state of th
·	z Ba (x th) e-Be dx.
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To compute the mode we sed to savinize
2x-1e-PSL OVER 216(0,00)
dy [[(d-1) 22- pn2-1]
$\frac{dx}{2x^{2}}e^{-\beta x}\left(x-1-\beta x\right)$
Equating d [xi'e-Bi] =0.
and the second s
B
 - Il we have at the same to
1000 1000 1000 1000 1000 1000 1000 100
 - Trummer brothers of the form the
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