Course Probability and Statistics Course Probability and Statistics	15
Student's Name Talka Ahmed Answer Sheet No.	1 1 0.2 -
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Section BCS-4A	
Date 3 1041 2024	
(21)	
[1972] 14시 : [<u>-</u>
(a) using the hypergenment	
P(x) = la la a)	
$\begin{array}{c c} P(X) = & (N-\alpha) \\ \hline (X) & (n-x) \end{array}$	defeated.
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P[K1ers 2 9.6122	
a = 2	teri.
\(\hat{\chi} = \)	
~ ~ ~	
U'sing the Binomial distribution	k I Green
$P(X) = \begin{pmatrix} x & n-x \\ y & q \end{pmatrix}$	
P = 0.6(2.2	
0.2818	
, X = 2	
For otherst 2.	1 F-1
	A CONTRACTOR
P(x = 2) = 1-P(R(2)	
0 20 0 20	
(0) P = (1)(0.6122)(0.3878)	= 5.9×10
1 19	
P(1) = 20, p1 q19 = (20)(0.6122) (0.3818)	= 1.86×10

	5.9x109 + 1.86x107 = 1.927x109	Rou
	P(x<2) = 1927x107	
	1- P(x(2) = 1- 1.927x107	\nearrow
	Y(x = 2) = 99.99 o/o	
	(p)	
	E(x) = np	
	= (20) (0.6122) $ E(x) = 12.244$	3 - 17 - 10
-		
	= \frac{12.44}{(12.244)(0.3878)}	
	σ = 2.1790)	
¥. 1	$\frac{1}{2}$	
		2.11
	Question: 03	
	Cx2) ICX ZY	
	flx) = 0, otherwise	
	(a) value of c	
),	we know that	
	$\int f(x) d\alpha = 1$	
		*
	4,	
	$(x^2 dx^2 = 1)$	ALCOHOL:
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	=> [c] x ³	
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(A) -10 (a)	2) (() 17	1
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	2) C 63 7	,
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_m(1)		- 4)
and the second second	1 = [12] 3 :-	
	=> (21)=1	11000

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	the Man	rainal prob	diction Hone			-
	(b) Man	rginal prob c	pusti wimons	(4 0	ext page)	
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	x	0		16.5	ext page)	
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	E(xy) = (0)(0)(0)(0) + (0).	
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	2 0.09 + 4(0.00 2	
	E(X4) 2 3:23	
	(18 × 2(0.81)	
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	EW) = 0.09 + 1.62	
	E(V) = (·1)	
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