Page	No.	
Date		

hy pergeone for probability Distribution It is closely related to the binomial The two probability distributions differ in two Key ways. - In hypergeometric distribution, the trials are not independent - the probability of sucess changes from trial to trial. Ayper geometric probability tinchon: It is used to compute the probability that is a random selection of a element, selected without seplacement, we obtain of electments labeled success and u-x elements. Tabeled failuse.

f(x) = (x) (x-x)

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Page No.	*
Date:	

(M6)	Given N210 and 723
	Compute value & of u and x.
	Confere Valle 4 on a Canol 2
	@ n2h, x21
	f(x) = (30)(n-x)
	3 12 3 13 1 1 2 1
	$f(i) = (i^3) (i^{10-3}) - (i^{11}2) (i^{31}n!)$
	(n) (n!6!)
	f(1) = 0.50/
	6) n 22 1 36 22
	$f(2) = \binom{3}{2} \binom{2}{5}$
	P(2) = 0.067/
	(n = 2 , x = 0
	$f(0) = (\frac{3}{2})(\frac{7}{2})$
	(2)
	C(0) = 0-4(12)
	F(0) = 8.4607

Date:
a n=n, x 22
$f(2) = \begin{pmatrix} \frac{3}{2} \end{pmatrix} \begin{pmatrix} \frac{2}{2} \end{pmatrix}$
f(2) = 0-30//
(n 24 , x 2 4
Civen icis greater han h so, F(n) =0
1 (1) -0
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Page No.:

Pag	ge No.	*
Dat	e:	

(hg)	Given N210 Foltball -7 Basketball -3
	D N210, n23
	X27 823
	f(y) = (x) (x-x)
	f(2) = (2) (3)
	f(2) = 8.5280/
	(b) F(2) = (\frac{1}{2}) \frac{1}{2} \frac
	f(3) = (3) (3) - 0.2917 $f(3) = (3) (3) - 0.2917$

		Page No.:	
		Date:	
50)	Given N260, n216		
	a) N260, n210 x20 x220		
	f(0) = 120 (10)	5	
•			
	f(0) = 0.0112//		
	b) N260 n210 X21 7220		
	De 29 he		

 $f(i) = \begin{cases} 0 & he \\ 0 & (q) \end{cases}$

A(1) = 20725/

(c) for two or more employer

let's exclude them from the hotal

Probability i.e. 2

f(x) = 2 - f(0) = f(1)

= 1 - 0.0112 - 0.0725

= 0.9163/

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Page No	*
Date:	

	0	for	teras	1	N 2 60)1 29	12/6	
						8240	
		A(9)		79)	(i) (i)		
		f(9)) =	0.0	725//		
•							

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