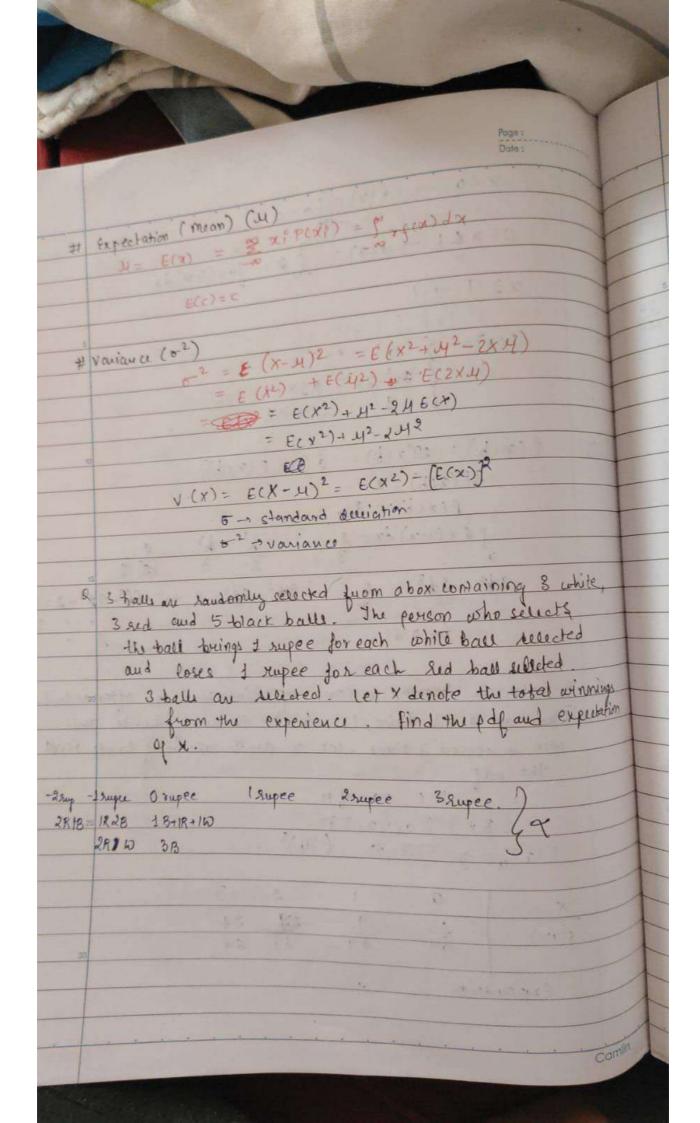
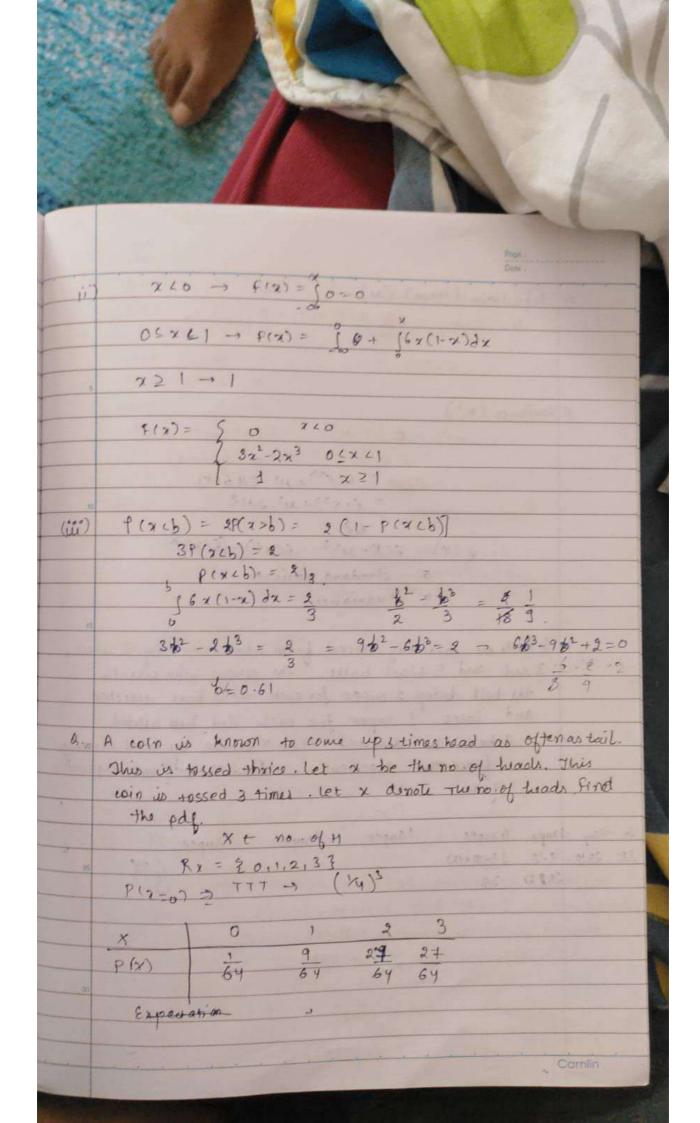
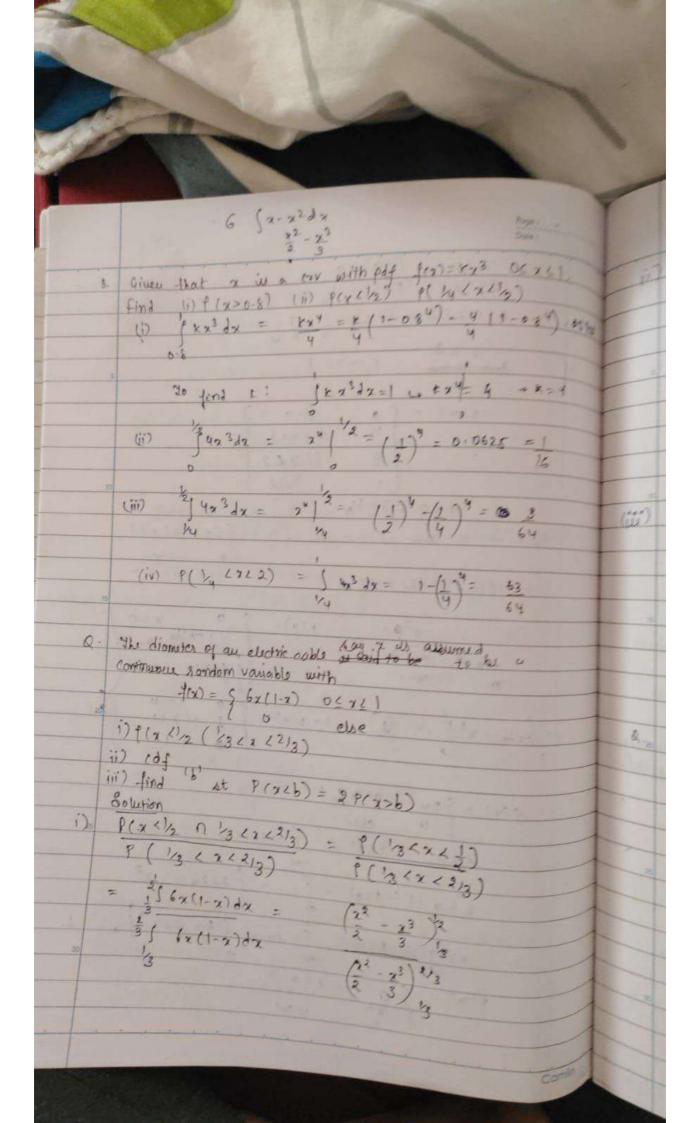
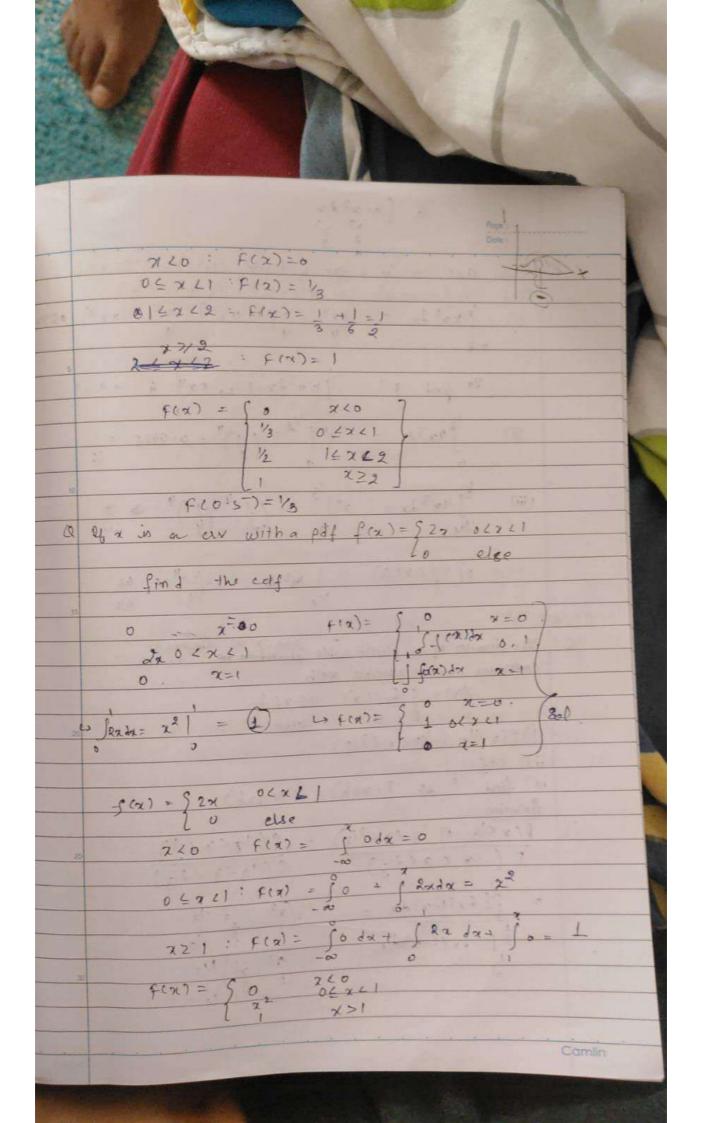


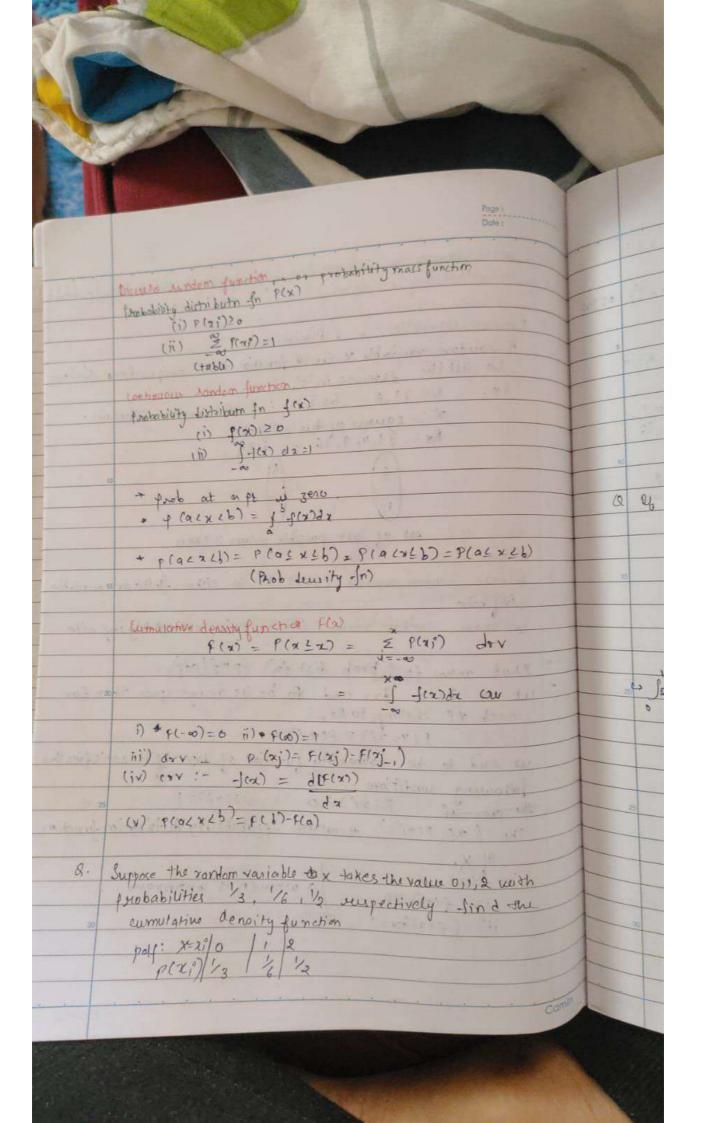
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1	
	Of Alcotta
	Done
	3w 3 R= 2-31-21-110,1,2,3 \$
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5	R88 -1 4
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10	
	× -3 -2 -1 0 1 2 3
	P(1) 3c3 7551 3c1×562 56+ 83 236502 56 481 3c3
	(3) 3 + 3 + 3
15	$+ E(x) = ZxiP(xi) = \int x f(x) dx$
	$F(x) = \{x \in X \mid P(x)\}$
	$E(c\infty) = cE(\alpha)$
	22 ( - 2 (12) 42
20	$r  V(x) = E(x^2) - \left(E(x)\right)^{-1}$
	₩ V ( e) = 0
	$\times \vee ((x)) = (2 \vee (x)) \times (2 \vee (x))$
	The state of the s
0.	A student taxes multiple choice test containing a problems
0.	A student takes multiple choice test containing a has specific test one has 3 possible answers and second one has specific the first one has 3 possible answers at sondom as the right
	The first one has 3 possible conswers at sondom as the right answers. The student souchs I answer at sondom as the right answers. Find
	answer. let x devote the no. of right amwers. find
- 10	E(x) and V(x),
	I->3 II->5 X + no. of eight and X 10 12
-	Rx = 50,1,23 7df P(x) 2x4 2x2 15x1/2 181) 8 6
-	answer. let $x$ denote in $E(x)$ and $V(x)$ , $I \rightarrow 3 II \rightarrow 5  x \leftarrow no. of eight ans$ $R_x = \frac{5}{2}0, 1, 2^{\frac{3}{2}}  \frac{3d}{3d}  x \rightarrow 0  1  2  x \rightarrow 0  1 $
CONTRACTOR OF THE PARTY OF THE	

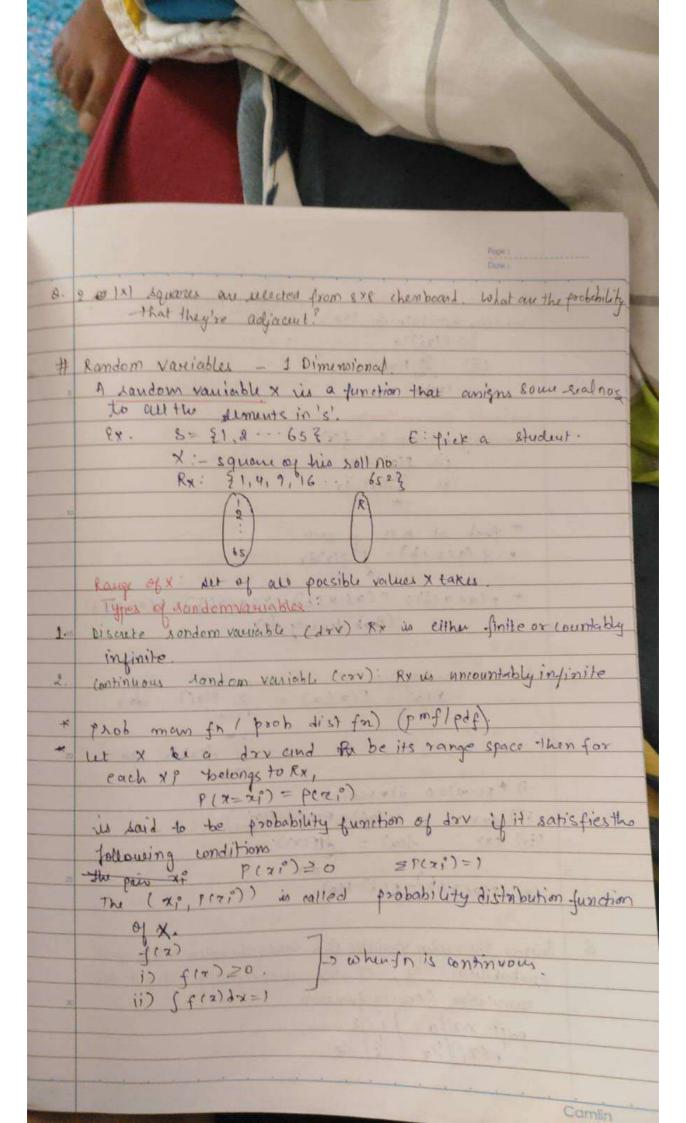


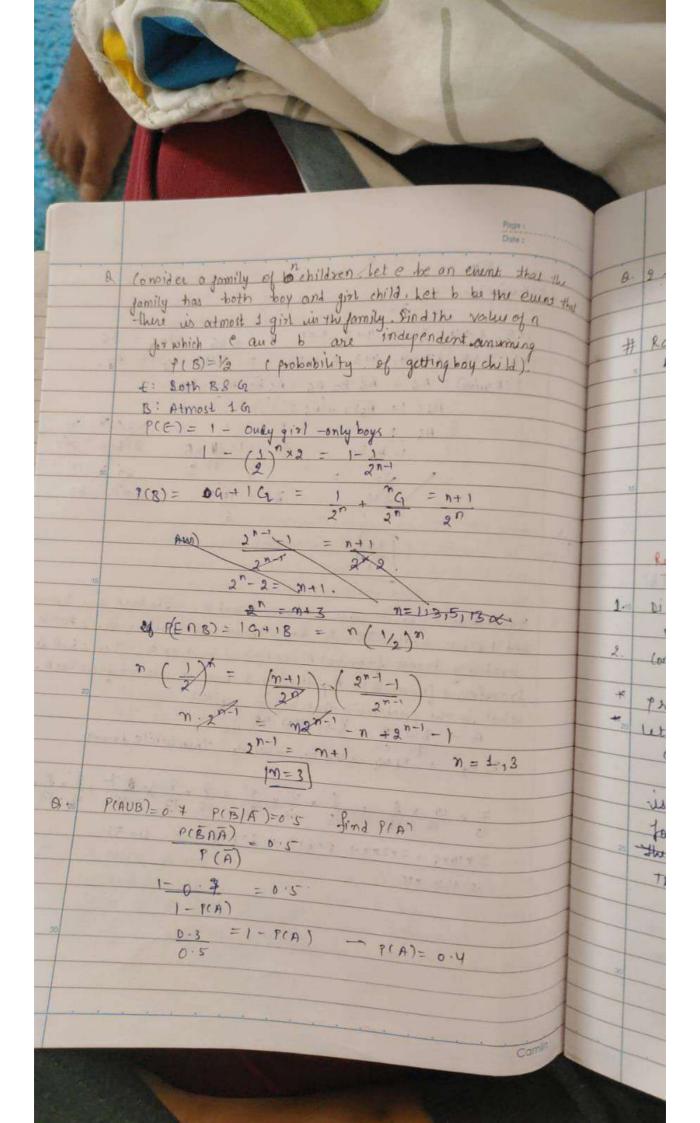


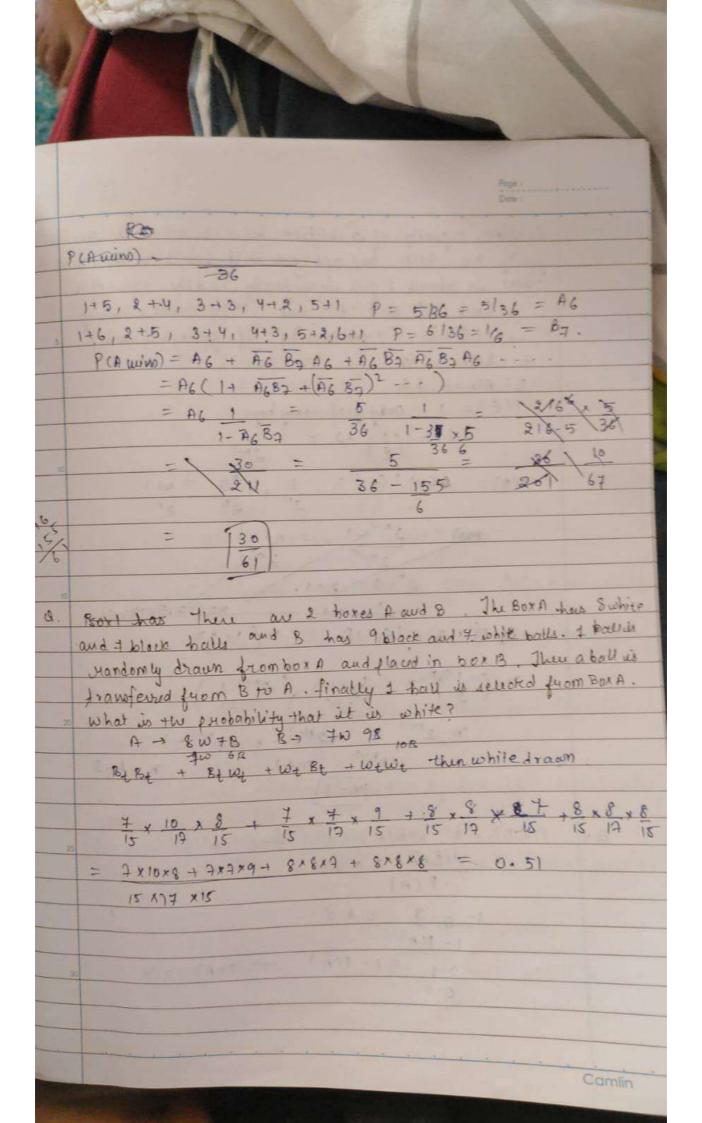


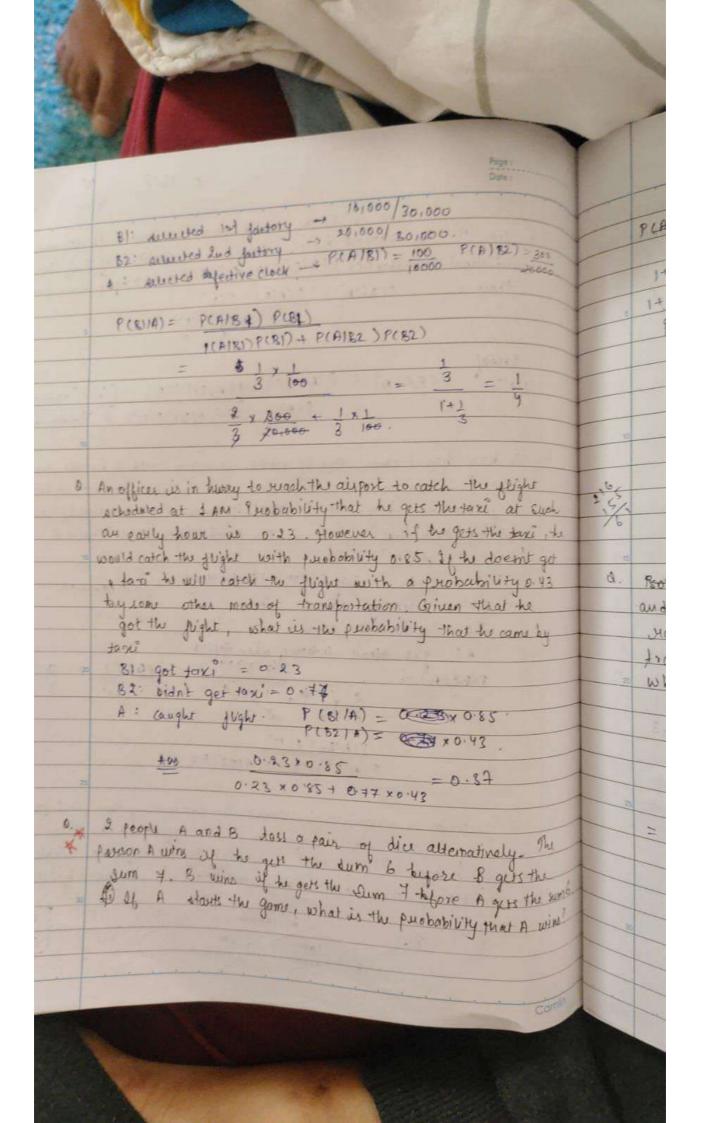


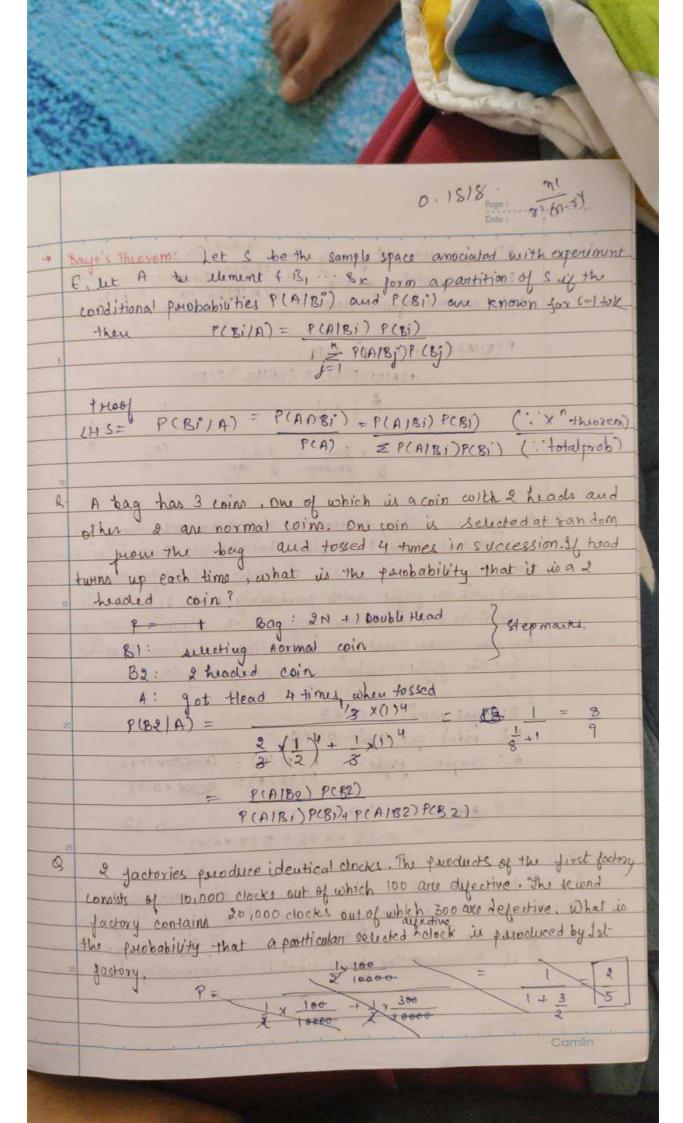


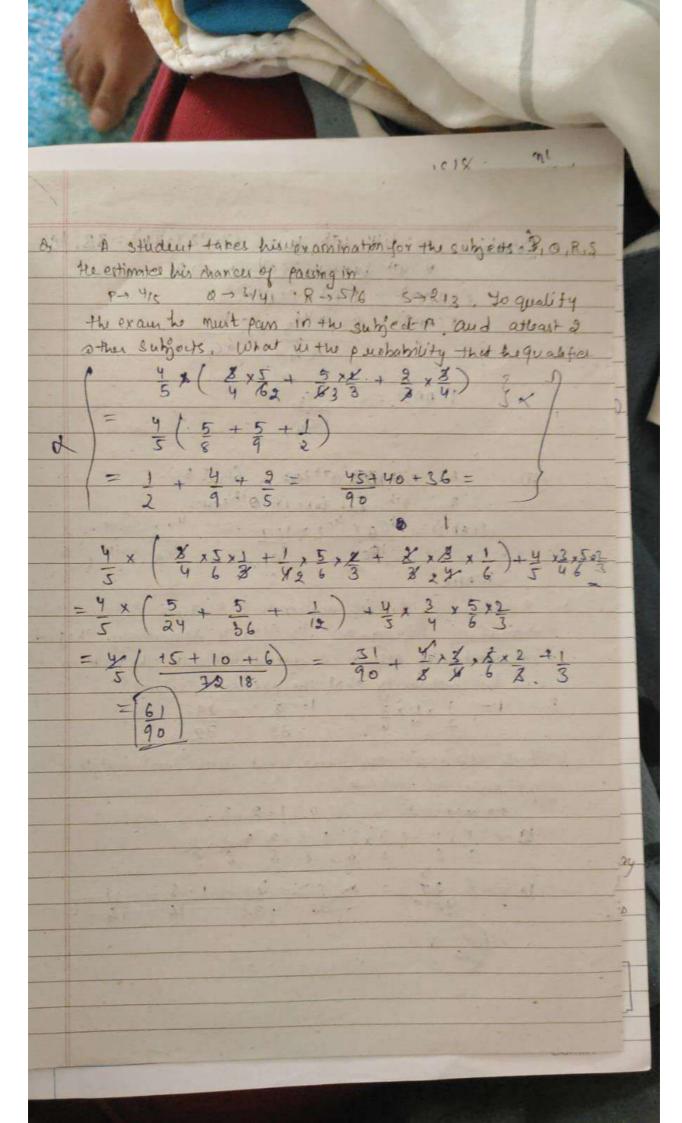








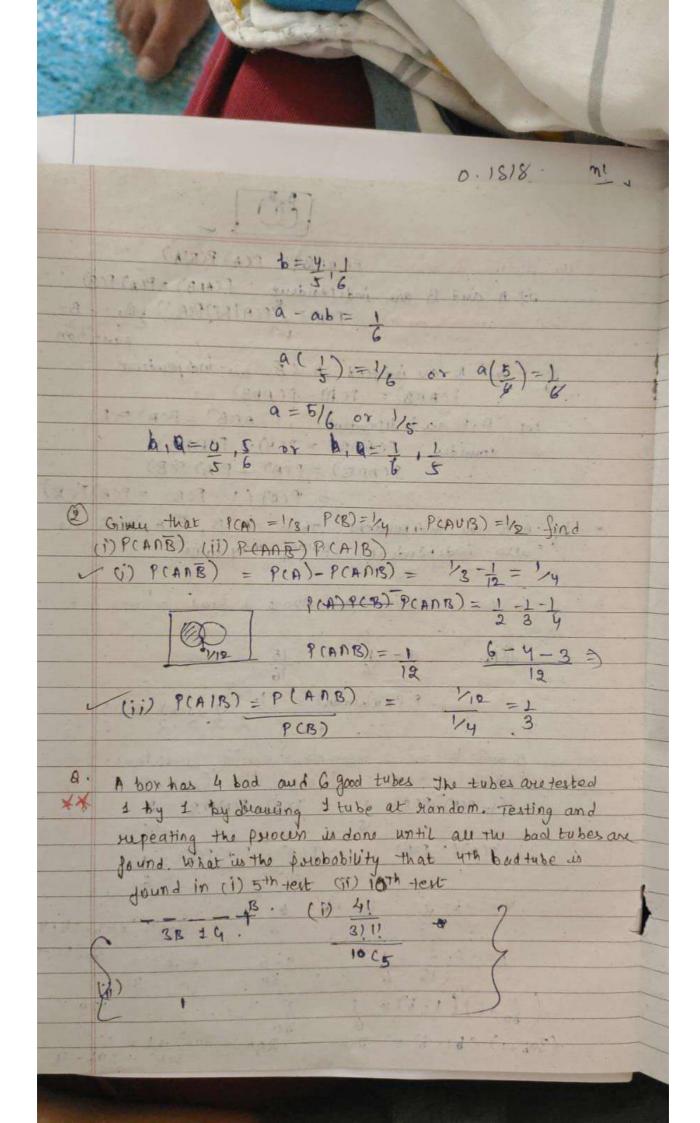


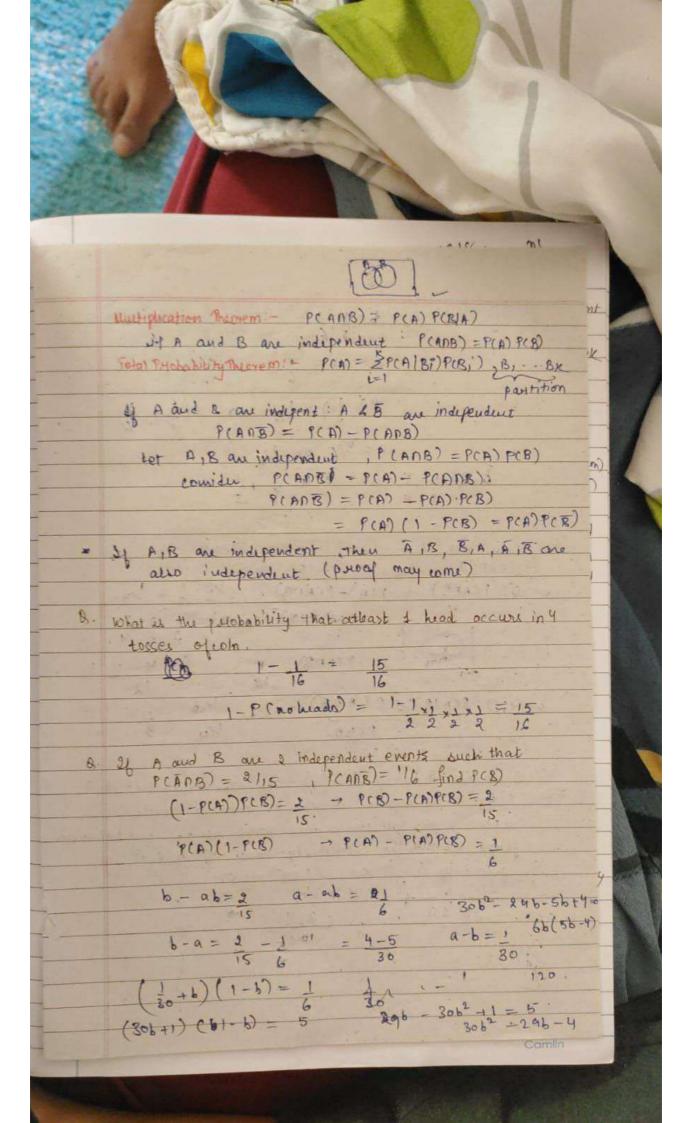


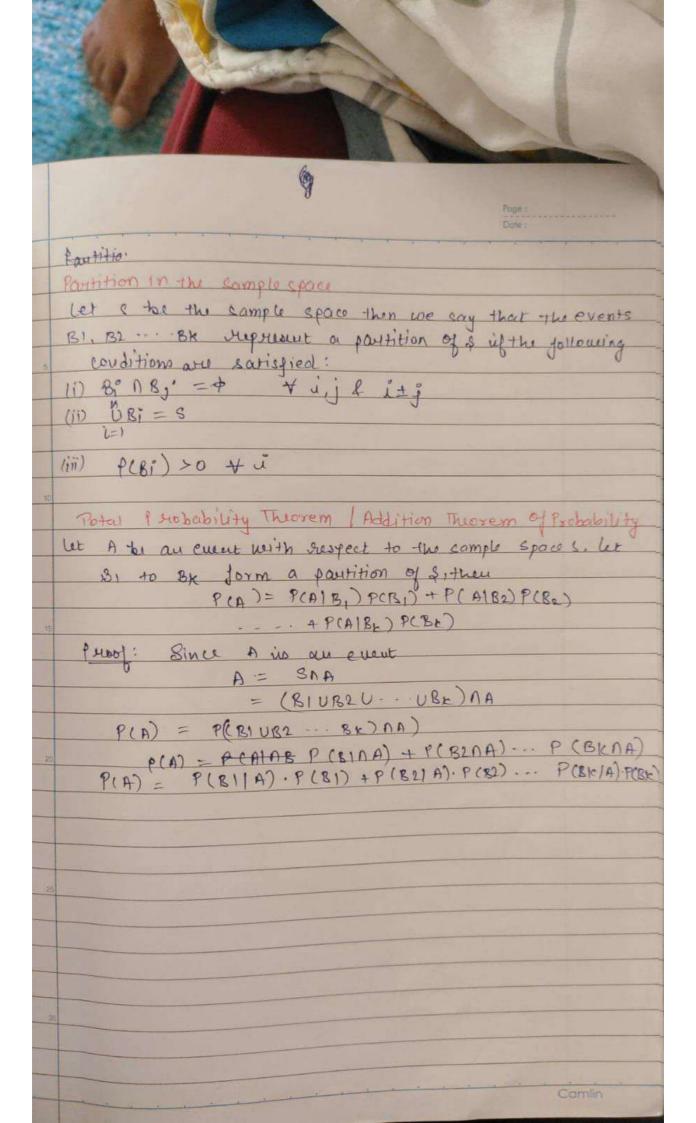
0.1818 - n1 Solution: A: till 4th that (TIT2T3T4) = 3B, 19 B: 4th bad tube in 6th test 3B PCANB) = PCAT . PCBIA) 9 (AND) = 6 (, ×4c3 x - 1) PCAN8) = 4c3 10Cy 3 A: till per gratest: 60,38 (11) B: 4th bad tube in 10th text.

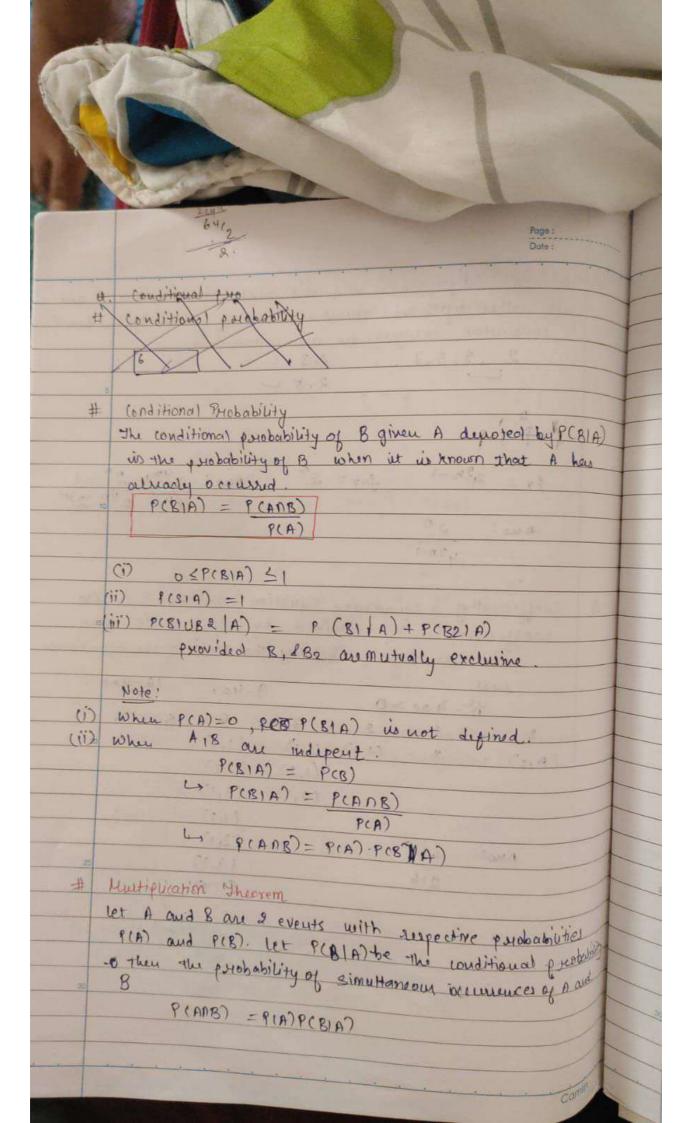
P(ADB) = 6(6 x 4c8 x 1c1 -= 4c3 = 4 = 2

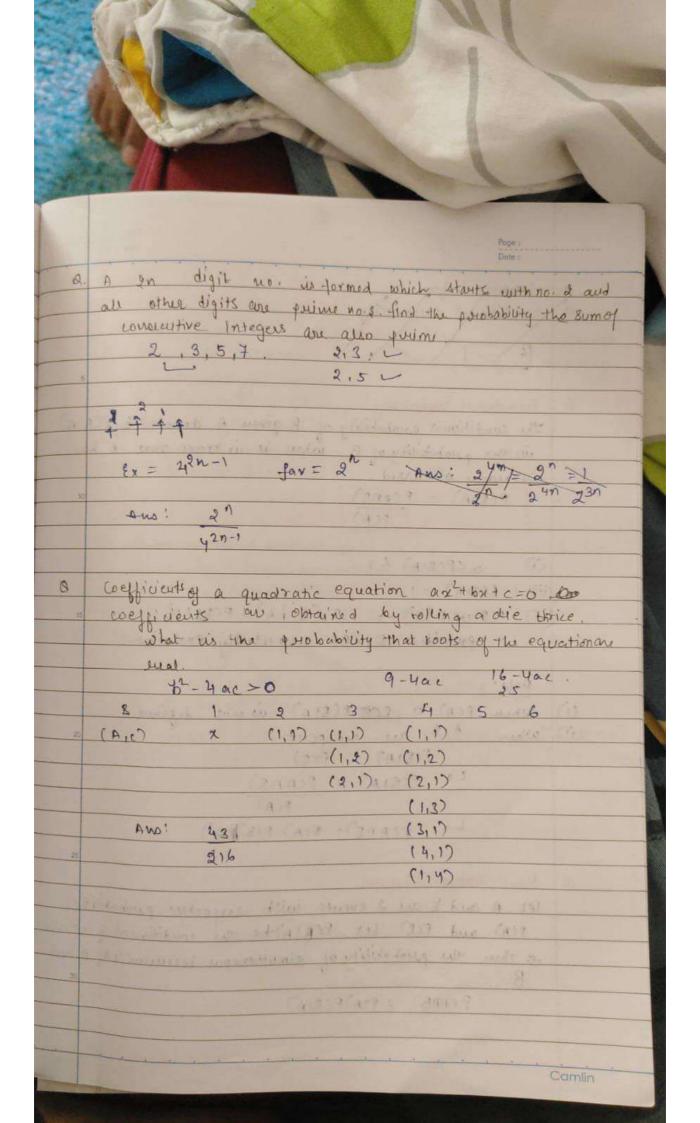
10c9 1c1 10c9 5 PLANTS 8. A publicus in statistics dogiven to & students ArBic chechose chances of solving on 1/2, 3/4, by respectively. The problem · is solved in atteast I student will solve the problem what is the furbability that the problem is solved?  $P = 1 - \frac{1}{2} \times \frac{1}{3} \times \frac{3}{3} = \frac{1-3}{32} = \frac{29}{32}$ 

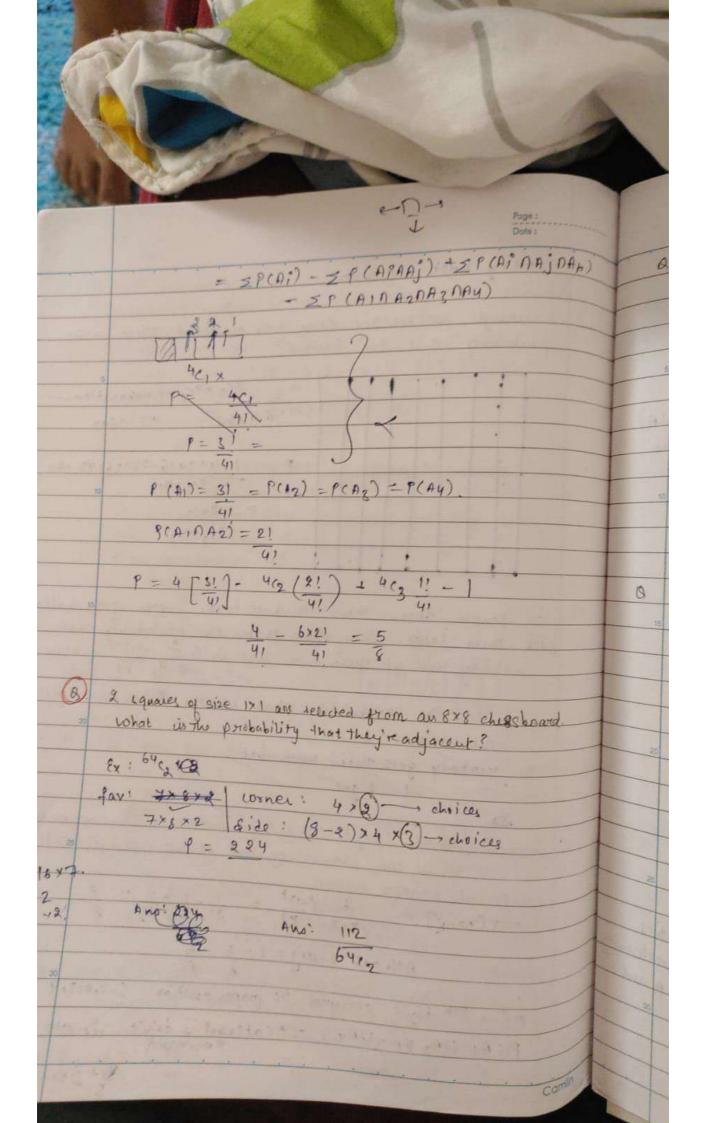


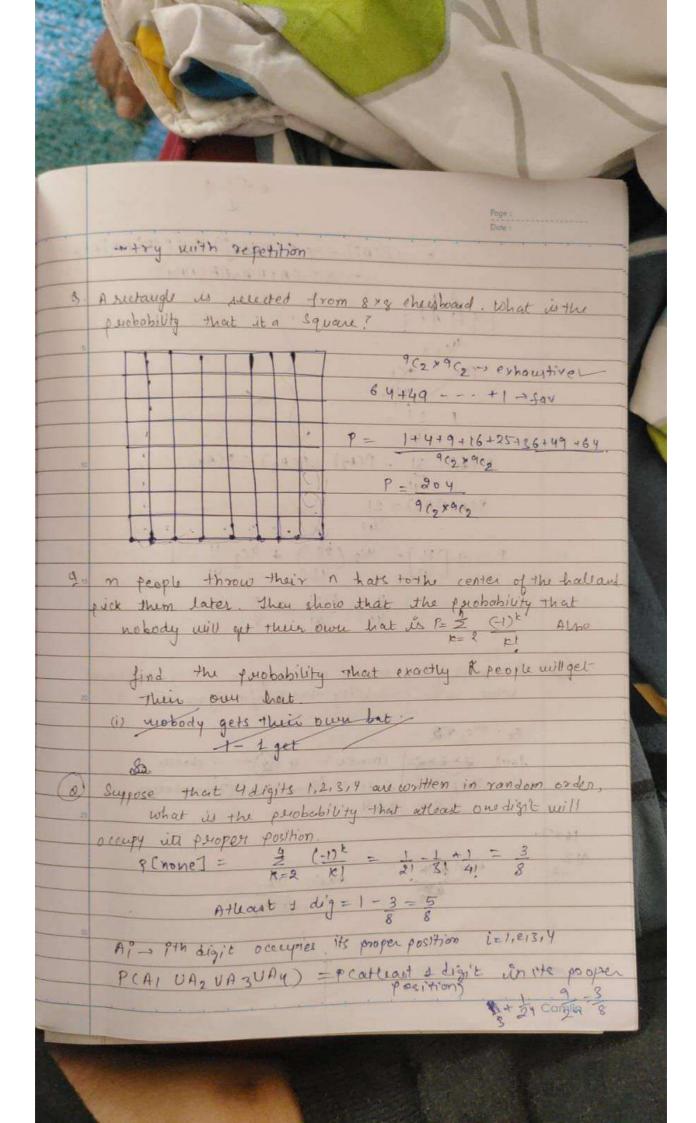


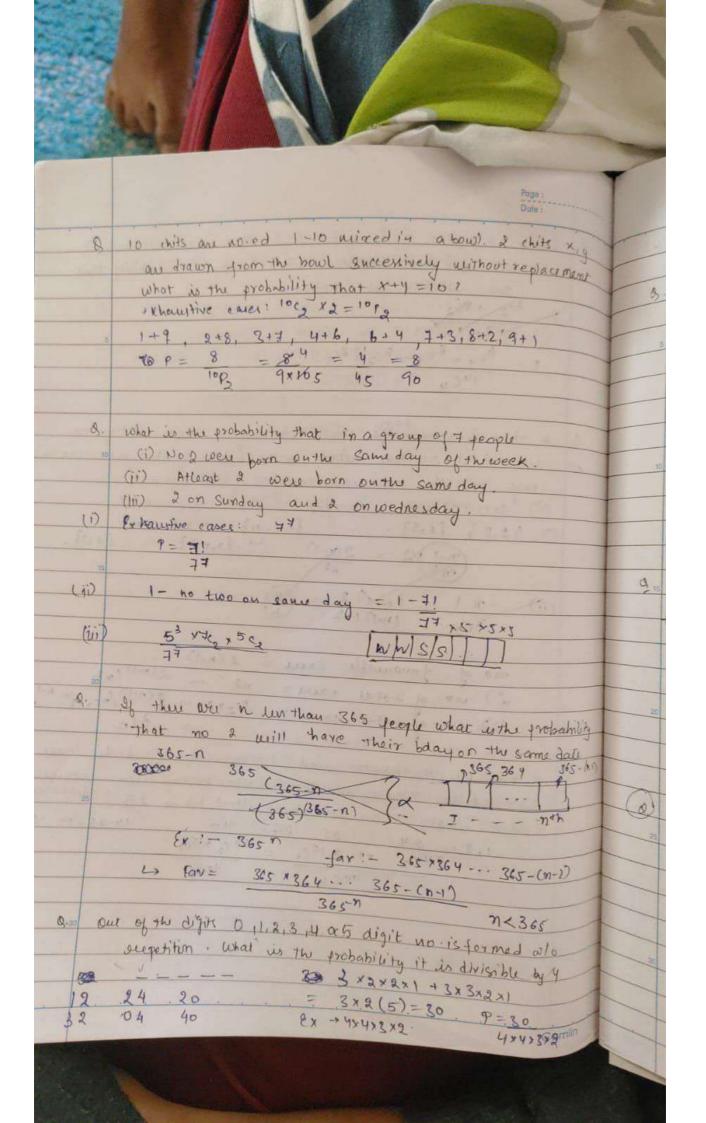


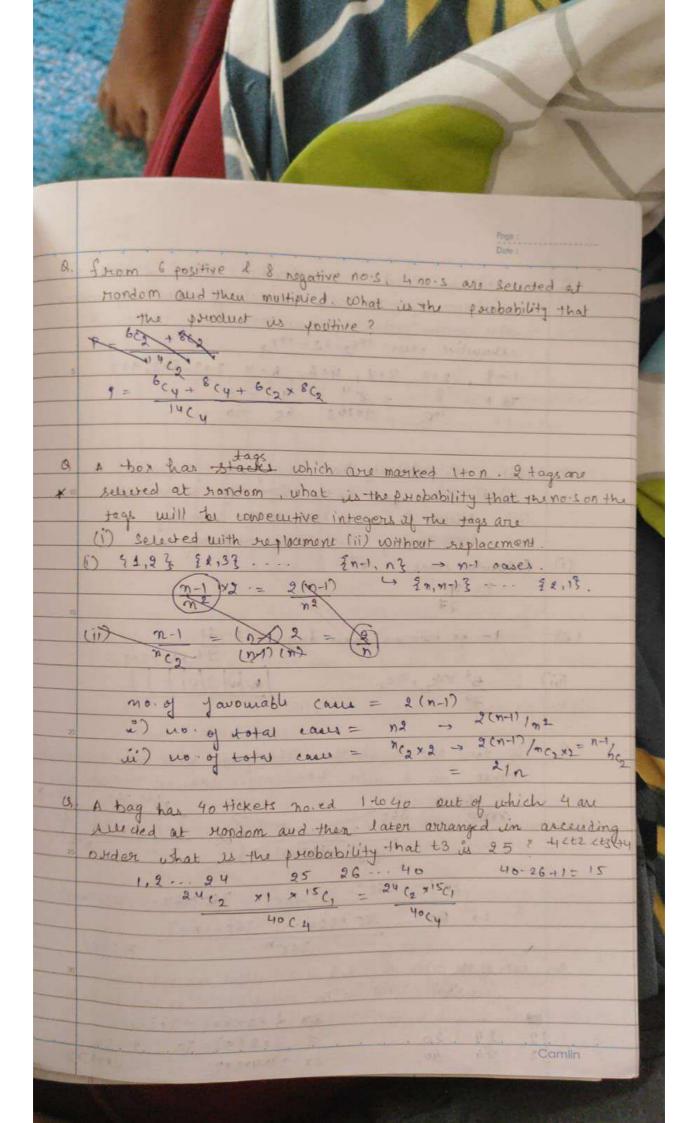




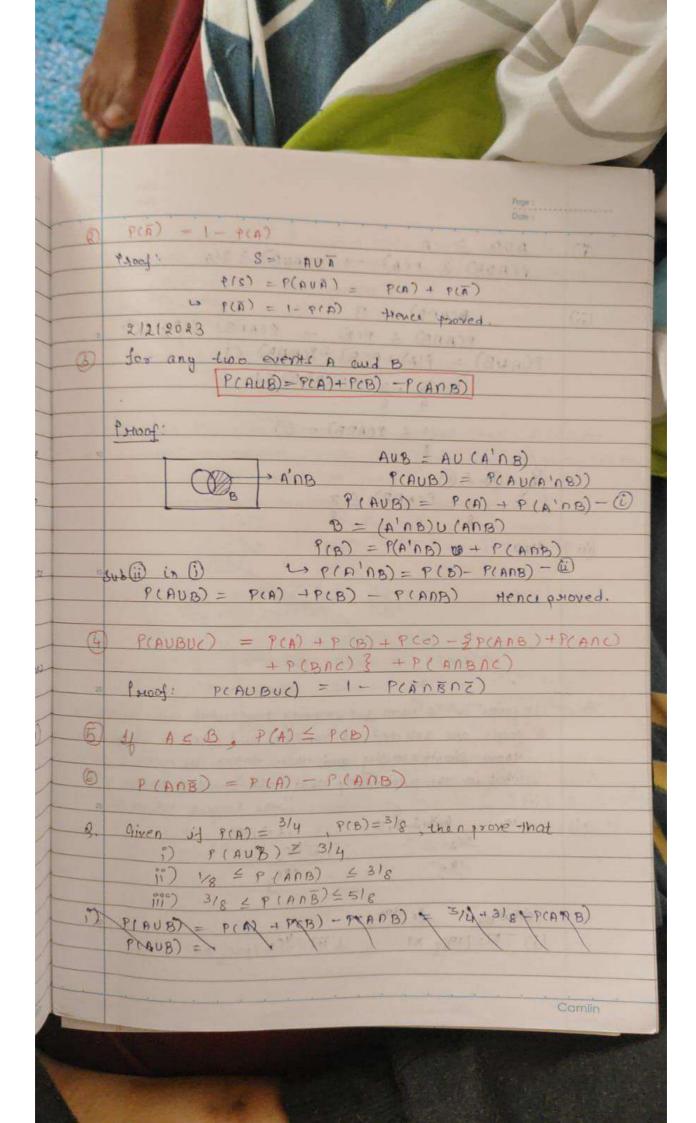








		1
		A
30/323		
		Par se
	Page :	
(i)	AUB > A	
	PLAUB) > PLAUB) > 3/4	0
	FAIT - (ALA) - (ALA)	
(ii)	B(A∩8) ≤ B	
	PCANB) & PCB) - PCANB) (318-0)	
	P(AUIS) = P(A) - P(B) - T(A) B) Z1	
	= 3 - P (ANB) ()	_
	1 4 9(ANB) - @	0
10	8, 0, 0	×
2 Cary	By 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	8 8	
(iii)	Aw.	
16	( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Laure	CONTR. (014) - (014) (40) - (014)	
	CHOICE CONTRACTOR	
-		
19.	In any state of the state of th	
	3 people are selected at random and ailed to see marked to	
	I secon simultaneously and their tages which are marked to search the is what is a second and asked to search the is what is a second and asked to search the is what is a second asked to search the is the second asked to search the interpolation and the	
	i) what is the medialy and their tagno, is noted	1
20	(ii) " shotoballity that the smallest up is to	
(1)	Hoom simultaneously and their tagno. us noted  i) what is the purobability that the smallest no is 5  10 6,7,8,9,10. The largest no is 5  562	
-	5Ca (ii) 4C2	
3 1	Att. w	
1	1) Training ( ex sloc 3 .	
	Orthog: 8x =10c3.  j) 5c2/10c3 x1 (11) 4c2/10c3 x1	
	2/10(3×1	



	Poge :	-
The sale	80/1123 Write HULL SET Like Dor 83 Date:	distant
	D	Y
	ROBABILITY	T
		1
	Random expt of cannot be predicted	4
5	Sample space set of all possible outcomes (denoted by 5)	+
	Event Subset of S Null event don't contain any clement	1
	Elementary event contains exactly 1 element	T
	Exhaustive cases all possible outcomes	I
10	forourable case to an event: An element is said to be forourable to event A if referment belongs to the Set A.	
	to event A if relement belongs to the Set A.	1
	Hutually exclusive events two events A and B are said to the mutually exclusive if ANB = \$ (Null set)	+
	Equally likely cultiments:	t
45	Indepent events: Occurrence of 1 doesn't effect the occurrence	
	of other.	
classical (	Probability if A is an event	
t	$p(n) = m / n$ $m \to u \circ o                                    $	
2	mon of favourable cases to A = n = lotal no of possible outcomes  to no. of exhaustive cases	-
-10	approach - KALMOGOROV'C	
(ii)	0 & P(A) 21 (probability of every event is blue o and 1)	
(ñi)	0 = P(A) = 1 (probability of every event is blue o and 1)  P(S) = 1 (probability of Sample space is 1)  21 A and B and and blue of Sample space is 1)	1
	P(AUB) = P(A)	1
(11)	p ( This) = 2 p(pi)	-
	P(DAi) = 2 P(Di)	-
#	Theorems	-
0	P(4) = 0	
	Proof: A = A	1
	$P(A) = P(AU\Phi) = P(A) + P(\Phi)$	1
	$P(A) = P(AU\Phi) = P(A) + P(\Phi)$ $P(\Phi) = 0.  Hence proved$	-
	Camin	1
		1