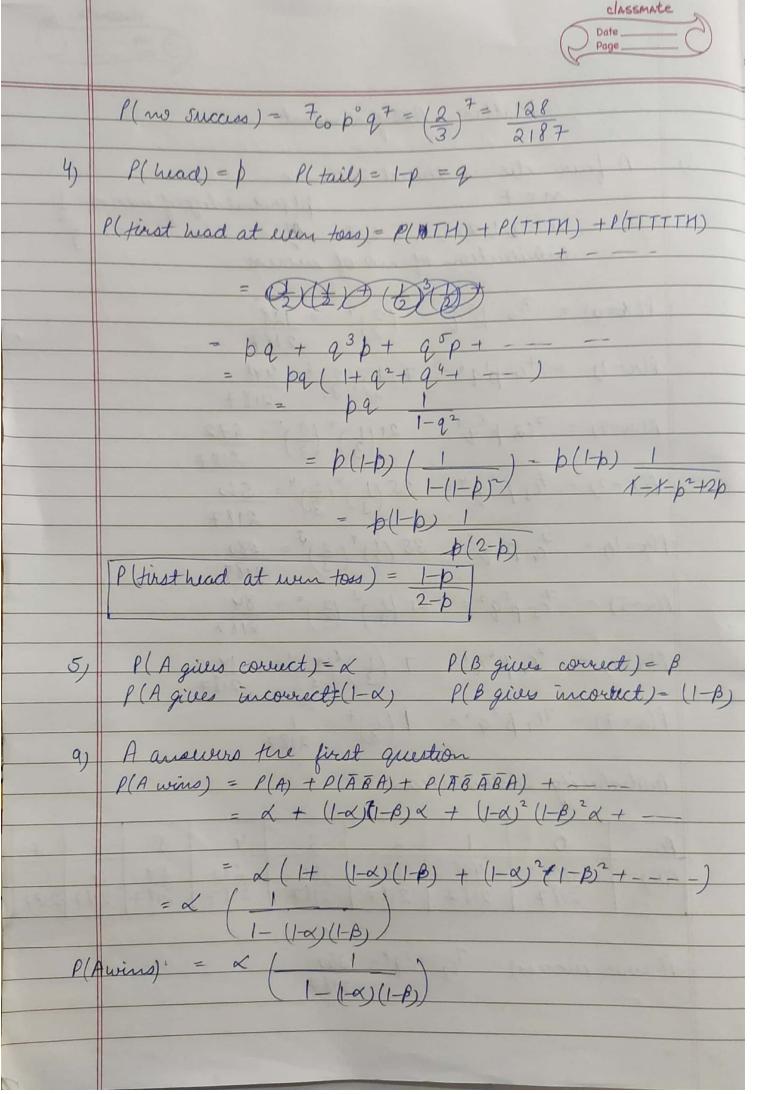
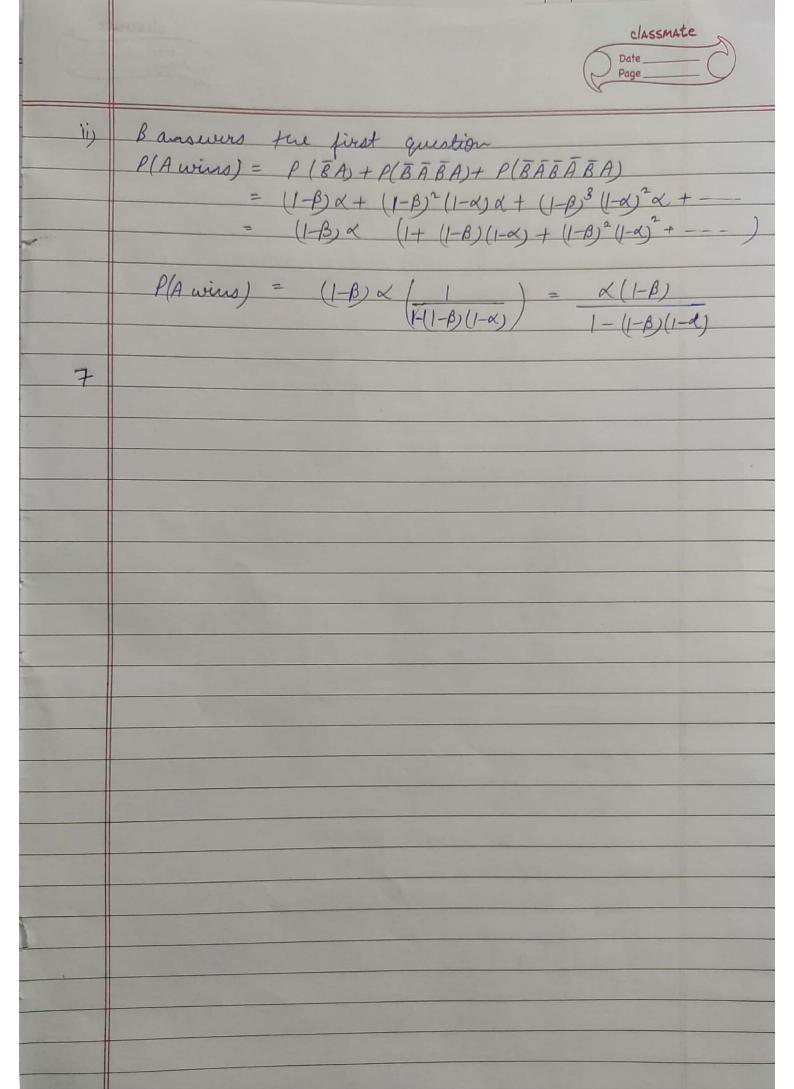
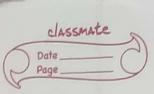
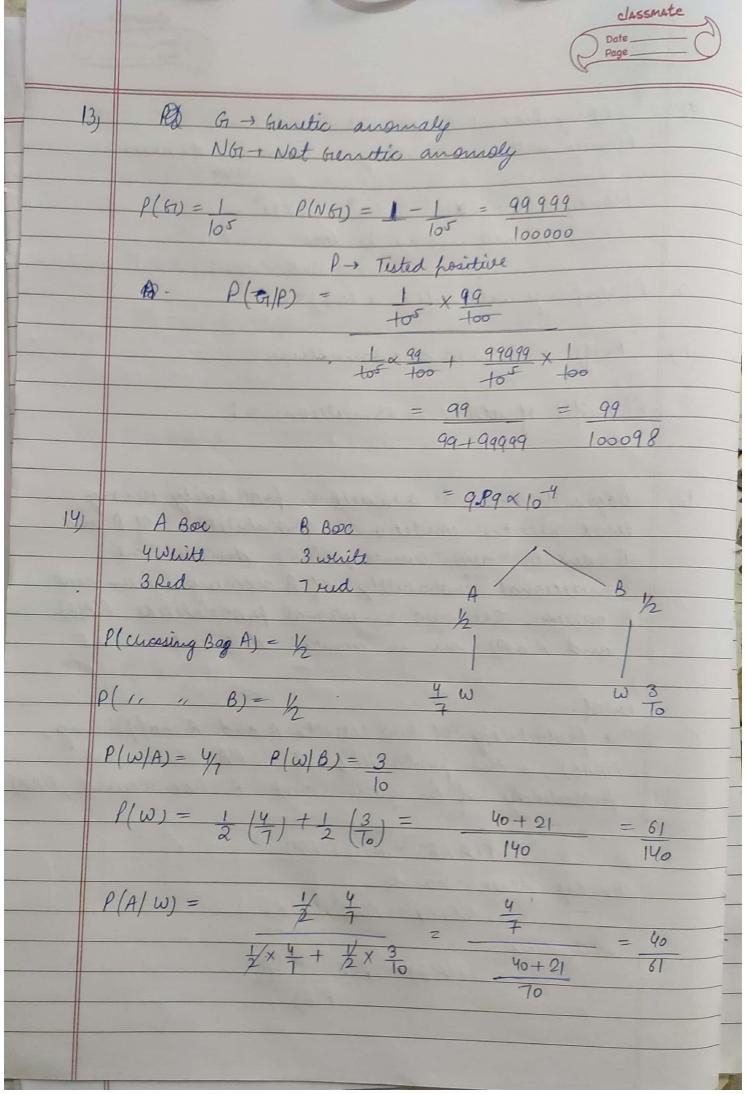
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		Mathas	2	Apsignanent	nt				
3	A	m=7  M=0,12,3  distribution	is toned 2,3 4,5	7 tim	p proba	probability of	= ground = 2	-890	
	P(X=0)	43 47	b°97=	$\frac{(2)^{4}}{(3)(3)}$	= 128 2187 6= 448	,,,			, , , , , , ,
	P(H=2)	U	7ca p2g=	21(2)	200	672			
	P(k=3)	=	763 p3 g 4 = 6			560 2187			
	िम= मी	42	pr93= 3	$35\left(\frac{1}{3}\right)^{4}\left(-\frac{1}{3}\right)^{4}$	3 2 2	280 2187			
	1(m-1)	= 7 6 p 602		21 (1) 5	4	84			
	[(n=6)	1 2 TC+	76, p'q'=	1 (1)	) (2) =	14 17 2187			
	P(n=7	7= 74/79	2 6 2	1(4)7	7818			- 4	
	Pustoa	Pessealvily Distuiteution	skrivouts	de la		3			
	R	0		8	2	5	5	9	11
	(4)	2187	218	672	2187	2187	2187	7187	2187
	PHruee	e mecess)	) = 7(3	p3q=	J60				



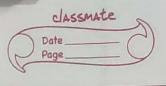




9)	Money Talsen = 100000 X500 Money gillen in Cashality = 100000 1 X000000
	Money loss = $0 \times 10^{7} - 2 \times 10^{7} = 3 \times 10^{7}$
9)	P(company will suffer a loss) = 0
Ь)	Profit = 3000000 = 30 million
	P(pufit of atleast Rs Q5 million) = 1
12)	Bayes Theorem is a result in probability theory that relates conditional probabilities. If A and B denote two events, P(A/B) denotes the conditional probability of A occurring, yielen that B occurs. The two conditional probabilities P(A/B) and P(B/A) are in general different  Proof:-
	The probability of two events A and B happening, P(AB) is the probability of A, P(A), times the probability of B given that A has occured, P(B/A)
0	$P(A \cap B) = P(A) P(B A)$ On the other hand $P(A \cap B) = P(B) P(A B)$
	and thus $P(A B) = P(A) P(B A)$ $P(B)$
1877 188	



17)	P (Diagonose correctly) = 0.6
	P(Not Diagonose correctly)=0.4
i sinala	P(Died   Correct Diagonose) = 0.4 P(Died   Incoract Diagonose) = 0.7
	P( Roveret Disgonoses/Died) = 0.6 x 0.4
	$0.6 \times 0.4 + 0.4 \times 0.7$ = 0.24 = 6
. 0	0.24 +0.88 52 13
(8)	P(Man) = P P(woman) = 1-p
	Plathana de Man Ina 1 = 0 Olas de Man Ina
	P(Stomach Plan/Man) = 2 P(Stomach Uller/Women) = 1
	P(Man / Stomach Ulcur) = p 2 Loo = 20 20
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
19)	P(Faulty) = 0-1 P(Non Faulty) = 0-9
	P( House collapse / faulty) = 0.95 P(House collapse / Non faulty) = 0.45
	P(Faulty/ Kouse Collapse) = 00/ X 0095 = 95
	0.1X0.95+0.9X0.45 95+405
	= 95 = 19 = 0.19 $= 100 = 100$



	Page
20)	P(Def) = 2 P(NDef) = 98 100
	Macturely Def Def) & Egy & Platinity good forf) & Des
	P(Def/Actually Def) = 0.94 P(Def/Actually good) = 0.5
	P(Actually Def) = 2×94 100 100
	2 × 94 + 98 × 5 188+ 490 100 100 100
	$= \frac{94}{339} = 0.27728$
21)	P(suffrer) = 6 P(Non sufferer) = 995 1000
	Selver Se
	P (+ve fest/rufferer) = 0.95 P(+ve test/Non sufferer) = 0.00
a)	P(+ve text) = 5 x 95 + 995 x 1 = 475+9950 1000 100 1000 100 100000
	= 0.10425
b)	P/sufferen/teltest) = 5 x 95
	$\frac{5}{1000} \times \frac{95}{1000} + \frac{995}{1000} \times \frac{1}{1000} \times $
	$= \frac{470}{2} = 0.0405$
G)	P(-ve test/sufferer)= 0.05 P(-ve test/Nonsufferer) = 0.90
A	P(non suffered-ere test) = 995 x 90
	P(non sufferent) = 995 x 90 1000 x 100 = 89550
	5 5 4 995 × 90 25+89550 TOOO TOO TOOO TOO
	= 0.9997

	11-3	Autorita T				classmate
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1	d	P(horso	m will be m	isclassified) = _	5 x 5 + 995	100
	9			10	100 100	00
		tert or the	Alleman	Div. of the	-0.09975	
1						
0	3)	Pana	Service Co.	be 2, 3, 4, 5, 6,	7 8,9,10,11	1,12
	3)	_ cynga_	-un un	0,0,0,0,0		
		V	0/41	X P(X)	x2P(x)	AAA
		X	P(X)	2/36	4/36	
		2	1/36	6/36	18/36	
-		3	2/36		48/36	
		4	3/36	12/36		
		5	4/36	20/36	100/36	
		6	5/36	30/31	180/36	
		7	6/36	42/36	294/36	ar had
		l	5/36	40/36	320/36	
		9	4/36	36/36	384/36	
			3/36	30/36	300/36	Part 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		10	2/36	22/36	242/36	
			736			
	-	12	1/36	12/36	144/36	Mile II III
	-	cocoo		252	1974	
			7016100	36	.36	
	E	(d) = 2	x P(x)		established the	in the day
				Variance =	4x2 D(V) -	- (2xP(x))2
		SATE OF SATE	$\frac{256 = 7}{36}$			
			C. C. Land	the col	$= \frac{1974 - }{36}$	99
					30	
		14.74			= 5-833	3
29)		(guess)	= /3 P(co)	heging)=1/6	P(skill)=	
						2
	PIC	owert/	nuss)=1	P(correct/copy	1=1 0/000	4/ 1/ 2/ 1
147-14			4	of g	8 1 Carre	ect/skill)=1
The same of	4	01 45	0/2012-41			
		1 ppi	l/correct)	2 X /		1
					2	2
		18110 -		13×4+6×	8+2×1	12+ 1/2 + 1
						12 48 2
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