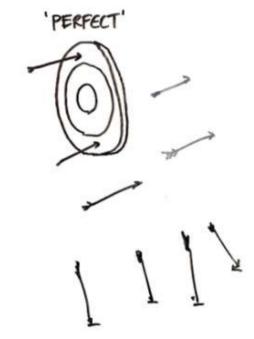


Practice:

- 1. A box contains 3 blue marbles, 4 red, 6 green marbles and 2 yellow marbles. If two marbles are drawn at random, what is the probability that at least one is green?
- 2. A box contains 3 blue marbles, 4 red, 6 green marbles and 2 yellow marbles. If two marbles are picked at random, what is the probability that they are either blue or yellow?
- 3. A box contains 3 blue marbles, 4 red, 6 green marbles and 2 yellow marbles. If four marbles are picked at random, what is the probability that none is blue?
- 4. 10 books are placed at random in a shelf. The probability that a pair of books will always be together is?
- 5. What is the probability that a leap year has 53 Sundays and 52 Mondays?
- 6. Out of 20 consecutive integers, two are chosen at random. The probability that their sum is odd is?
- 7. A box contains 3 blue marbles, 4 red, 6 green marbles and 2 yellow marbles. If three marbles are drawn what is the probability that one is yellow and two are red?







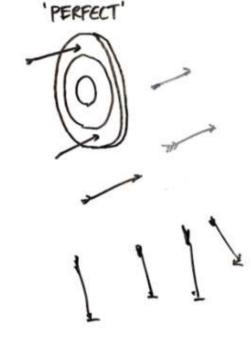




Practice:

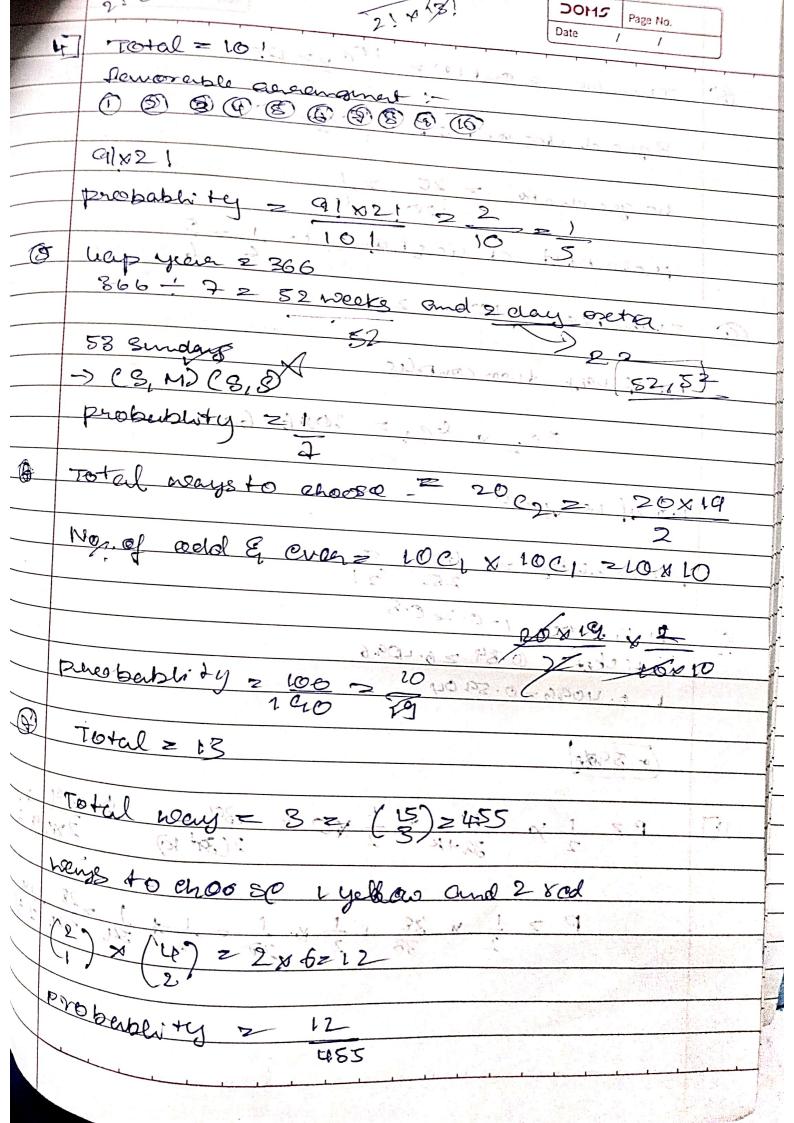
- 8. Out of 10 persons working on a project, 4 are graduates. If 3 are selected, what is the probability that there is at least one graduate among them?
- 9. In a party there are 5 couples. Out of them 5 people are chosen at random. Find the probability that there are at the least two couples?
- 10. The probability of a lottery ticket being a prized ticket is 0.2. When 4 tickets are purchased, the probability of winning a prize on atleast one ticket is?
- 11. There are two boxes, one containing 39 red balls & the other containing 26 green balls. You are allowed to move the balls between the boxes so that when you choose a box random & a ball at random from the chosen box, the probability of getting a red ball is maximized. This maximum probability is
- 12. There are 6 red balls, 8 blue balls and 7 green balls in a bag. If 5 are drawn with replacement, what is the probability at least three are red?

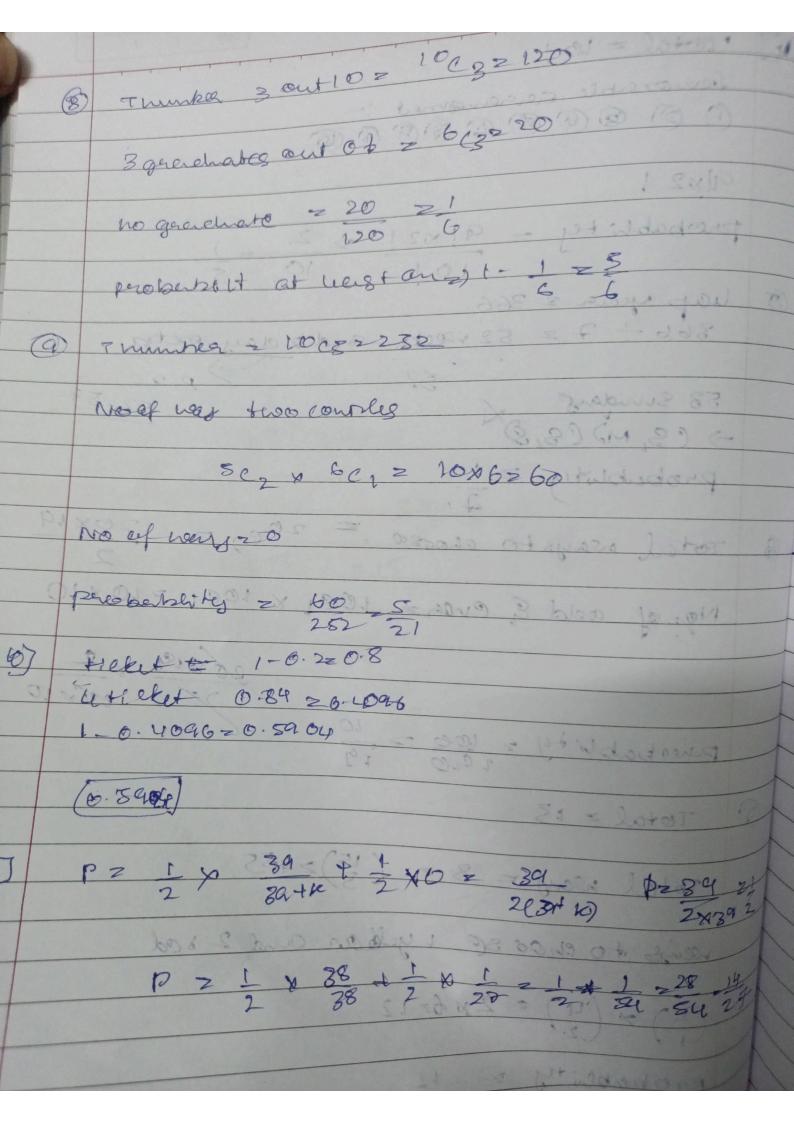


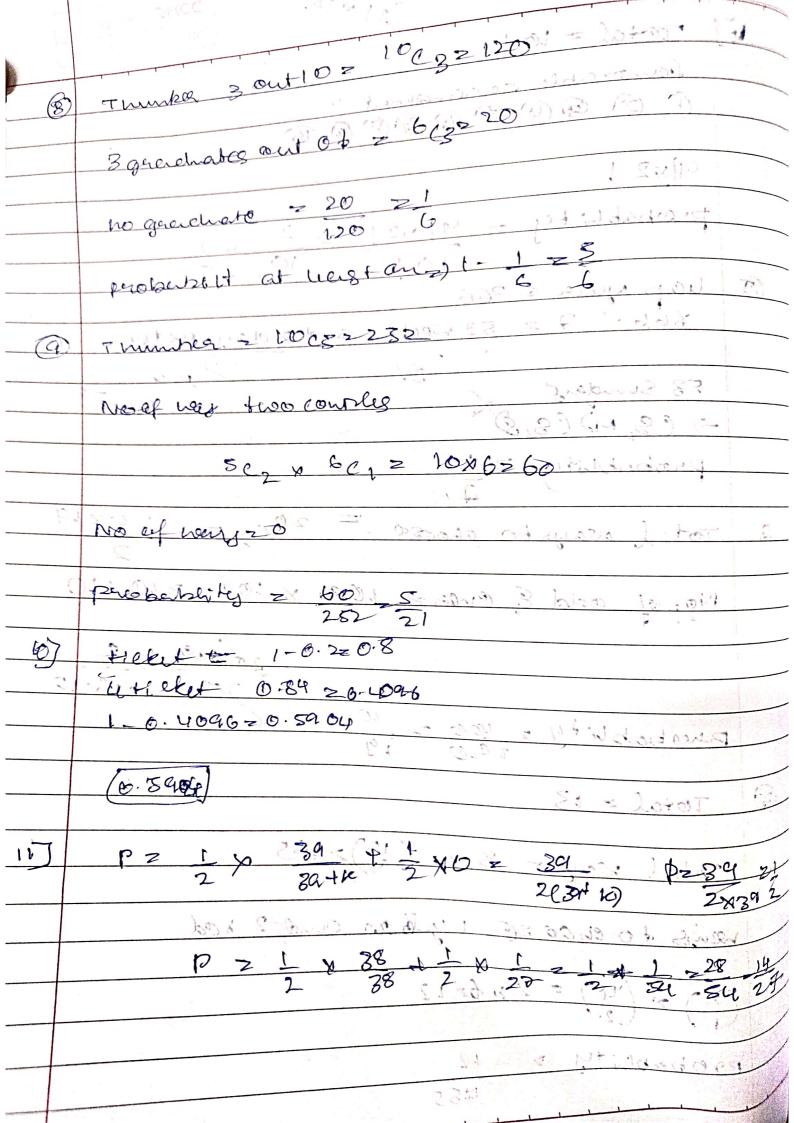




	Date /	Page No.
	TEM7= 3 fH+60+2 total mensely = 19	5C2=15×14
	2 no green: (a = 36 365t 2 no green = 2 86 2 12 p (no green = 2 86 2 12	
6)	Final = 1-12 = 35-12 = 35	23
	b (or) yelloup 2 3+2=5/ 15c2 2 Total 2) 105	
	2 marbles -> b cor) yellow 15c2 5,c2	
00	Probablity = 5x4 x 2 18x14 Total = 3+ 4+6+2 = 15 3 7	2 21
(3)	No-gleen = 15-32 12	3су
	Pz 12C4/Dz 33	yi (
	150,12	1 4/ 10 C







	Date / /
12 T balle: -6-12-12-29 P= 6 = 2 21 7	
p(cut least 3) = P(8) + P(4) + P(5) p(k) = (5) (2) (5) S-k	
$\frac{P(3)=(5)}{3} \frac{(20)^{3} \cdot (5!)^{2} \cdot 10 \times 8}{(5!)^{3} \cdot (5!)^{2} \cdot 10 \times 8}$	342. A
PC4) 2 (5) (2) 5 (5) 0=103	2000 16800 2 412 32
1 D (at wat 3) = 2000 pages	0 132 - 2122