**I roll two dices at the same time. What is the probability that the sum of numbers on top faces will be more than 8?**

**Answer:** 5/18

**I have 4 coins in my hand to toss. What is the probability of getting odd number of tails in a toss?**

**Answer:** c.1/2

A box contains 20 electric bulbs, out of which 4 are defective. Two bulbs are chosen at random from this box. The probability that at least one of these is defective is

A)4/19  
B)7/19  
C)12/19  
D) 21/95

Solution:-

Option B

Probability( None is defective) = 16C2 / 20C2 = 12/19.  
Probability (at least one is defective) = (1- 12/19) = 7/19.

22) Ravi has a bag full of 10 Nestle and 5 Cadbury chocolates. Out of these, he draws two chocolates. What is the probability that he would get at least one Nestle chocolate?

A) 19/21  
B) 3/7  
C) 2/21  
D) 1/3

**Solution**

**Option A**

Probability of getting atleast one nestle chocolate = [(10C1 x 5C1) + 10C2] / 15C2  
[(10 x 5) + (10 x 9)/2] / [(15 x 14)/2] = 19/21.  
Hence, the required probability is 19/21