# PRACTICE QUESTIONS (PROBABILITY)
# CLASS: X : MATHEMATICS

**1.** When a die is thrown, then find the probability of getting an odd number < 3.

**2.** Two dice are thrown at the same time and the product of numbers appearing on them is noted. Find the probability that the product is a prime number.

**3.** One card is drawn from a well shuffled deck of 52 cards. Find the probability of getting (i) a king of red colour (ii) face card

**4.** Two dice are thrown simultaneously. What is the probability of getting doublet?

**5.** In a single throw of two dice, find the probability of getting 6 as a product of two numbers obtained.

**6.** Two different dice are thrown together. Find the probability of getting the sum of the two numbers less than 7.

**7.** Cards bearing numbers 3 to 20 are placed in a bag and mixed thoroughly. A card is taken out from the bag at random. What is the probability that the number on the card taken out is an even number?

**8.** Cards, marked with numbers 5 to 50, are placed in a box and mixed thoroughly. A card is drawn from the box at random. Find the probability that the number on the taken card is (i) a prime number less than 10. (ii) a number which is a perfect square.

**9.** One card is drawn at random from a well-shuffled deck of 52 playing cards. Find the probability that the card drawn is (i) either a red card or a king, (ii) neither a red card nor a queen.

**10.** Two coins are tossed simultaneously. What is the probability of getting (i) At least one head? (ii) At most one tail? (iii) A head and a tail?

**11.** A game of chance consists of spinning an arrow which comes to rest pointing at one of the numbers 1,2,3,4,5,6,7,8 and these are equally likely outcomes. What is the probability that it will point at (i) 8 (ii) an odd number (iii) a number greater than 2

**12.** Two dice are thrown at the same time. What is the probability that the sum of the two numbers appearing on the top of the dice is (i) 7? (ii) 14? (iii) equal to 12? (iv) 8? (v) 13? (vi) less than or equal to 12?

**13.** A bag contains 5 red balls, 8 white balls, 4 green balls and 7 black balls. If one ball is drawn at random, find the probability that it is: (i) black (ii) Red (iii) not green

**14.** All red face cards are removed from a pack of playing cards. The remaining cards were well shuffled and then a card is drawn at random from them. Find the probability that the drawn card is (i) a red card (ii) a face card (iii) a card of clubs.