Probability Assignment

Q1. : Two dice are thrown at the same time. Find the probability of getting

  (i) the same number on both dice.

  (ii) different numbers on both dice.

Q2. A bag contains a red ball, a blue ball and a yellow ball, all the balls being of the same size. Kritika takes out a ball from the bag without looking into it. What is the probability that she takes out the

  (i) yellow ball?

  (ii) red ball?

  (iii) blue ball?

Q3. One card is drawn from a well-shuffled deck of 52 cards. Calculate the probability that the card will

  (i) be an ace,

  (ii) not be an ace.

Q4. 6: An integer is chosen between 0 and 100. What is the probability that it is

  (i)   divisible by 7?
  (ii)   not divisible by 7?

Q5. A bag contains 9 black and 12 white balls. One ball is drawn at random. What is the probability that the ball drawn is black?

Q6. Find the probability that a number selected from the numbers 1 to 25 which is not a prime number when each of the given number is equally likely to be selected.

Q7. A bag contains 10 red, 5 blue and 7 green balls. A ball is drawn at random. Find the probability of this ball being not a blue ball.

Q8. 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 less than 9.

Q9. 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 out card is:

(i) a prime number less than 10.

(ii) a number which is a perfect square.

Q10. Two dice are thrown simultaneously. What is the probability that

(i)   5 will not come up on either of them?
(ii)   5 will come up on at least one?
(iii)   5 will come up at both dice?