Chapter-15 PROBABILITY

WORKSHEET

1. Rahim and Karim are friends. What is the probability that both have their birthdays on the same day in a non-leap year?

 a) $\dfrac{1}{365}$ b) $\dfrac{1}{7}$ c) $\dfrac{1}{53}$ d) $\dfrac{7}{365}$

2. Find the probability that an ordinary year has 53 Saturdays.

 a) $\dfrac{1}{365}$ b) $\dfrac{1}{53}$ c) $\dfrac{7}{53}$ d) $\dfrac{1}{7}$

3. Three Unbiased Coins are tossed simultaneously. Find the probability of getting:

    i) Exactly 2 heads   ii) at least 1 head   iii) all heads   iv) at least 2 heads
    v) not more than one head   vi) no heads   vii) one head   viii) 3 heads
    ix) at most 2 tails   x) at most 3 heads

4. In a single throw of a pair of dice, what is the probability of getting :
    a) An odd number on one dice and 6 on the other
    b) A doublet
    c) Prime number on each dice
    d) A total of 9 or 11
    e) sum as even number

5. A card is drawn from a well-shuffled pack of 52 cards. Find the probability of getting:
    a) a six of the heart   e) neither a King nor a Queen
    b) a non-Ace card   f) either a King or a Queen
    c) A jack of black suit   g) A black face card
    d) A nine of red suit   h) A black number card

6. A bag contains 7 black, 5 red and 3 white balls. A ball is drawn from the bag at random. Find the probability that the ball drawn is:
    a) Red   c) black or white   d) not white   e) not green
    b) neither black nor white

7. Two candidates are to be selected from a group of 3 boys and 2 girls. Find the probability that: i) one girl is selected ii) at least one girl is selected

8. A coin is tossed. If it results in a head, again a coin is tossed, otherwise a dice is thrown. Find the probability of getting:
    a) At least one head   b) an even number   c) a tail   d) a tail and an odd no.