

SECTION A 1 Mark each

- Q1. A die is thrown once. Find probability of getting a composite or even number.
- Q2. One card is drawn from a well shuffled deck of 52 cards. Find probability of getting a red king.
- Q3. A box contains 5 red, 4 blue and 3 green marbles. One marble is drawn at random. Find probability of getting a red marble.
- Q4. Find probability of 52 Sundays in a leap year.
- Q5. Two coins are tossed together. Find probability of getting at least one head.

SECTION A 2 Mark each

- Q5. Find probability of 53 Sundays in a leap year.
- Q6. A box contains 21 cards numbered 1 to 21. A card is drawn at random. Find probability that the number on the card is divisible by both 2 and 3.
- Q7. Suppose you drop a dice in a rectangular region with sides 6 m and 4 m. A circle is of diameter 1 m is drawn inside it. What is probability that it will land inside the circle.

SECTION A 3 Mark each

- Q8. A bag contains 24 balls out of which x are white. If 12 more balls are added to the bag, the probability of drawing a white ball becomes twice. Find the original number of white balls
- Q9. A box contains cards numbered 1 to 103. A card is drawn at random. Find probability that the number on the card is
(a) an odd number (b) a square number
- Q10. The Ace, king, queen and Jack of hearts is removed from a deck of 52 playing cards. One card is drawn from the remaining cards. Find probability of getting
(a) a face card (b) a '5' of hearts

