PROBLEMS ON COINS:

1) When a coin (or) unbiased coin is tossed. What is the probability of getting

(a) Head (b) Tail (c) Head (or) Tail (d) Head and Tail

2) Two coins were tossed simultaneously. What is the probability of getting

(a) At least one head

(b) At most one head

(c) Exactly one head

3) Three coins were tossed simultaneously. What is the probability of getting

(a) At least one head

(b) At most one head

(c) Not more than 2 tails

(d) 2 tails, 1 head

(e) 1 tail

(f) 1 tail, 2 heads

(g) At most one tail

4) 5 coins were tossed simultaneously and in that first four were tail. What is the probability that fifth one also tail?

PROBLEMS ON DICE:

5) A dice is thrown. What is the probability of getting a number which is

a) Equal to 4 b) Less than 4 c) Greater than 4

d) Not less than 4 e) Not greater than 4 f) not equal to 4 g) an even number h) an odd number

i) Prime number.

6) When two dice are thrown simultaneously, find the probability of getting doublets?

7) In a simultaneous throw of two dice. What is the probability of getting

a) Sum as 7 b) sum as at least 7 c) sum as 4 d) sum as 10 e) sum as 11 f) sum as 10(or)11

g) Sum as 10 and 11 h) sum as at most 7 i) sum as even number j) sum as odd number k) sum as prime number l) sum as 6 m) product as 12 n) product as 15.

8) Two dice are thrown simultaneously. What is the probability of getting

(a) product an even number

(b) Product an odd number?

9) In a single throw of two dice. What is the probability of neither getting even number on first one nor multiple of 3 on other?

PROBLEMS ON BALLS:

10) A bag contains 5 red and 3 green balls. Two balls were picked at random. What is the probability that

a) One is green and one is red b) Both are green

c) Both are red d) Both are of same colour e) Both are of not same colour

11) A bag contains 5 red and 3 green balls. Four balls were drawn at random. What is the probability that only one is green?

12) A bag contains 5 red, 3 green and 4 blue balls. Two balls are picked at random. What is the probability that they are neither red nor green?

13) A bag contains two red roses, four yellow roses and six pink roses. Two roses are drawn at random. What is the probability that they are not of same colour?

14) A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?

15) There are 26 balls marked with alphabetical order (A to Z). What is the probability of selecting vowel listed balls?

16) Tickets marked from 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that ticket drawn has a number which is a multiple of 3 (or) 5?

17) What is the probability of getting 53 Sundays in a leap year?

18) A man and his wife appear in a interview for two vacancies in the same post. The probability of husband’s selection is 1/7 and that of wife is 1/5. What is the probability that one of them is selected?

PROBLEMS ON CARDS:

19) A card is drawn from a deck of 52 cards. What is the probability that it will be a

a) Black card b) red card c) Black (or) Red card d) Black and Red card e) king card f) Queen card g) King (or) Queen h) king and queen i) jack j) spade k) king(or)spade

l) King (or) Heart m) king and heart

n) 3(number card) o) number 3 from clubs p) special card q) face card

20) Two cards were drawn from a deck of 52 cards. What is the probability that

a) Both are kings b) Both are queens c) one is king and one is queen d) one is king and one is diamond e) one is club and one is hearts