**Probability**

1. Two unbiased coins are tossed. What is the probability of getting at most one head?

1) ¾ 2) 4/5 3) 4/7 4) 3/1 5) None

2. Three unbiased coins are tossed. What is the probability of getting at least 2 heads?

1) ¼ 2) ½ 3) 1/3 4) 1/8 5) None

3. Three unbiased coins are tosses. What is the probability of getting at most two heads?

1) ¾ 2) ¼ 3) 3/8 4) 7/8 5) None

4. In a simultaneous throw of a pair of dice, find the probability of getting a total more than 7 ?

1) 5/12 2) 6/13 3) 7/15 4) 6/19

5. Two dice are thrown together. What is the probability that the sum of eh numbers on the two faces is divisible by 4 or 6?

1) 7/18 2) 1/17 3) 4/15 4) 5/16

6. What is the probability of getting a sum 9 from two throws of a dice?

1) 1/6 2) 1/8 3) 1/9 4) 1/12

7. In a simultaneous throw of two dice, what is the probability of getting a total of 10 or 11?

1) ¼ 2) 1/6 3) 7/12 4) 5/36

8. Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?

1) ½ 2) ¾ 3) 3/8 4) 5/16 5) None

9. Two dice are tossed. The probability that the total score is a prime number is:

1) 1/6 2) 5/12 3) ½ 4) 7/9

10. Tickets numbered 1 to 20 are mixed up and then a ticked is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?

1) ½ 2) 2/5 3) 8/15 4) 9/20

11. Tickets numbered 1 to 30 are mixed up and then a ticked is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 2 or 3?

1) ½ 2) 2/3 3) 2/5 4) 9/30

12. One card is drawn from a pack of 52 cards. What is the probability that the card drawn is either a red card or a king?

1) ½ 2) 6/13 3) 7/13 4) 27/52

13. The probability that a card drawn from a pack of 52 cards will be a diamond or a king?

1) 2/13 2) 4/13 3) 1/13 4) 1/52

14. From a pack of 52 cards, two cards are drawn together at random. What is the probability of both the cards being kings?

1) 1/15 2) 25/57 3) 35/256 4) 1/221

15. Two cards are drawn together from a pack of 52 cards. The probability that one is a spade and one is a heart, is:

1) 3/20 2) 29/34 3) 47/100 4) 13/102

16. A bag contains 4 white, 5 red and 6 blue balls. Three balls are drawn at random from the bag. The probability that all of them are red is:

1) 1/22 2) 3/22 3) 2/91 4) 2/77

17. A bag contains 6 white and 4 red balls. Three balls are drawn at random. What is probability that one ball is red and the other two are white?

1) ½ 2) 1/12 3) 3/10 4) 7/12

18. 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?

1) 10/21 2) 11/21 3) 2/7 4) 5/7

19. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is probability that it is neither red nor green?

1) 2/3 2) ¾ 3) 7/19 4) 1/3

20. A box contains 10 black and 10 white balls. The probability of drawing two balls of the same color is:

1) 9/19 2) 9/38 3) 10/19 4) 5/19

21. A box contains 4 red balls, 5 green balls 6 white balls. A ball is drawn at random from the box. What is the probability that the ball drawn is either red or green?

1) 2/5 2) 3/5 3) 1/5 4) 7/15

22. In a class, there are 15 boys and 10 girls. Three students are selected at random. The probability that 1 girl and 2 boys are selected is:

1) 21/46 2) 25/117 3) 1/50 4) 3/25

23. Four persons are chosen at random from a group of 3 men, 2 women and 4 children. The chance that exactly 2 of them are children is:

1) 1/9 2) 1/5 3) 1/12 4) 10/21 5) None

24. In a class, 30% of the students offered English, 20% offered Hindi and 10% offered both. If a student is selected at random, what is the probability that he has offered English or Hindi?

1) 2/5 2) ¾ 3) 3/5 4) 3/10

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

1) 4/5 2) 2/7 3) 8/15 4) 4/7

26. A speaks truth in 75% cases and B in 80% of he cases. In what percentage of cases are they likely to contradict each other, narrating same incident?

1) 5% 2) 15% 3) 35% 4) 45%

**ANSWER** -:

1.(1) 2.(2) 3.(4) 4.(1) 5.(1) 6.(3)7.(4) 8.(2)9.(2) 10.(4) 11.(2) 12.(3) 13.(2) 14.(4) 15.(4) 16.(3) 17.(1) 18.(1) 19.(4) 20.(1) 21.(2) 22.(1) 23.(4) 24.(1) 25.(2) 26.(3)