108 DAYS ONLINE COACHING TEST FOR MISSION 2020-(DAY 39)-[11-09-2020~FRIDAY]

PROBABILITY

SAI EDUCATION
KERALA
(A Complete Solution For All Competitive Examinations)

NAME OF THE CANDIDATE *

M4 ▼

PLACE OF THE CANDIDATE *

PATHANAMTHITTA ▼

PLEASE ENTER YOUR WHAT'S APP NO(JOINED IN THE SAI EDN OCT PLATFORM) *

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PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND NOTE DOWN IT IN YOUR DIARY
BEFORE SENDING THE ANSWERS

https://youtu.be/1ETcI4_wEtg
https://youtu.be/JiQA8LgBqU8

1. In a throw of a coin, find the probability of getting a head? *   1 point

○ 1/2

○ 3/2

○ 2/3

○ 2/1

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

○ 1/4

○ 1/2

○ 2/3

○ 3/4

3. An unbiased die is tossed. Find the probability of getting a multiple of 3? *   1 point

○ 2/3

○ 1/3

○ 1/6

○ 3/2

4. In a simultaneous throw of a pair of dice, find the probability of getting a total more 1 point
than 7? *

◉ 5/12

○ 7/12

○ 6/12

○ 3/12

5. A bag contains 6 white and 4 black balls. Two balls are drawn at random. Find the 1 point
probability that they are of the same colour? *

○ 8/15

◉ 7/15

○ 11/15

○ 4/15

6. Two dice are thrown together. What is the probability that the sum of the numbers 1 point
on the two faces is divisible by 4 or 6? *

○ 8/18

○ 13/18

○ 11/18

◉ 7/18

7. Two cards are drawn at random from a pack of 52 cards. What is the probability that 1 point either both are black or both are queens? *

◉ 55/221

◯ 64/221

◯ 53/121

◯ 67/121

8. In a lottery, there are 10 prizes and 25 blanks. A lottery is drawn at random. What is 1 point the probability of getting a prize? *

◯ 1/10

◯ 2/5

◉ 2/7

◯ 5/7

9. One card is drawn at random from a pack of 52 cards. What is the probability that 1 point the card drawn is a face card? *

◯ 1/13

◉ 3/13

◯ 1/4

◯ 9/52

10. A card is drawn from a pack of 52 cards. The probability of getting a queen of club 1 point
or a king of heart is *

○ 1/13

○ 2/13

◉ 1/26

○ 1/52

11. A bag contains 6 black and 8 white balls. One ball is drawn at random. What is the 1 point
probability that the ball drawn is white? *

○ 3/4

◉ 4/7

○ 1/8

○ 3/7

12. In a box, there are 8 red, 7 blue, and 6 green balls. One ball is picked up randomly. 1 point
What is the probability that it is neither blue nor green? *

○ 2/3

◉ 8/21

○ 7/19

○ 9/21

13. A box, contains 4 red, 5 green and 6 white balls. A ball is drawn at random from the   1 point
box . What is the probability that the ball drawn is either red or green? *

○ 2/5

◉ 3/5

○ 1/5

○ 7/15

14. A basket contains 4 red, 5 blue and 3 green marbles. If 2 marbles are drawn at   1 point
random from the basket , what is the probability that both are red? *

○ 3/7

○ 1/2

◉ 1/11

○ 1/6

15. A basket contains 6 blue, 2 red, 4 green and 3 yellow balls. If three balls are picked   1 point
up at random, what is the probability that none is yellow? *

○ 3/455

○ 1/5

○ 4/5

◉ 44/91

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

- ● 21/46
- ○ 25/117
- ○ 1/50
- ○ 3/25

17. Two dices are tossed. The probability that the total score is a prime number is: * 1 point

- ○ 1/6
- ○ 1/2
- ● 5/12
- ○ 7/9

18. A committee of 3 members is to be selected out of 3 men and 2 women. What is the probability that the committee has at least 1 woman? * 1 point

- ○ 1/10
- ○ 9/20
- ○ 1/20
- ● 9/10

19. Dev can hit a target 3 times in 6 shorts Pawan can hit the target 2 times in 6 shorts   1 point
and Lakhan can hit the target 4 times in 4 shorts . What is the probability that at least
2 shorts hit the target? *

◉ 2/3

◯ 1/3

◯ 1/2

◯ None of these

20. A bag contains 10 mangoes out of which 4 are taken out together. If one of them   1 point
is found to be good, the probability that other is also good is *

◉ 1/3

◯ 8/15

◯ 5/18

◯ 2/3

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

◉ 9/20

◯ 3/20

◯ 2/5

◯ 1/2

22. Two cards are drawn from a pack of 52 cards. The probability that one is spade and one is a heart, is *

1 point

○ 3/20

○ 29/34

○ 47/100

◉ 13/102

23. In a simultaneous toss of 2 coins, find the probability of 2 tails? *

1 point

◉ 1/4

○ 1/2

○ 2/1

○ 3/4

24. A bag contains 6 red balls and 4 yellow balls. What is the probability that either 2 are red or 2 are yellow? *

1 point

◉ 7/15

○ 8/15

○ 13/15

○ 4/15

25. In a single throw of 2 dices, find a probability of getting a total of 3 or 5? *   1 point

○ 1/9

○ 1/4

○ 1/3

◉ 1/6

THANK YOU!!!

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