Probability

1. An unbiased coin is tossed twice. What is the probability of getting two heads?

A. 1/2

B. 1/4

C. 1

D. 0.75

2. In a simultaneous throw of two coins the probability of getting at least one head is

a)1/2 b)1/4 c)3/4 d)None of these

3. Three unbiased coins are tossed. Find the probability of getting atleast two heads.

A. 2/3

B. 2/5

C. 1/4

D. 1/2

4. Three unbiased coins were tossed. What is the probability of getting at most two Tails?

A. 8/7

B. 7/8

C. 3/8

D. 8/3

5.10 coins are tossed. What is the probability that exactly 5 heads appear?

A. 63/256

B. 126/256

C. 186/256

D. 65/256

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

A. (1/6)

B. (5/12)

C. (1/2)

D. (7/9)

7. What is the probability that on ordinary year has 53 Mondays?

A. 53/365

B. 2/7

C. 1/7

D. 48/53

8. Find the probability of 53 Mondays in a leap year.

A. 1/7

B. 2/7

C. 7/366

D. 26/183

9. There are 40 tickets numbered 1 to 40 in a box. A ticket is drawn. What is the probability that the ticket drawn bears a number which is a perfect square.

A. 13/40

B. 3/40

C. 3/20

D. 3/8

10. There are 60 tickets numbered from 1 to 60 in box. A ticket is drawn at random. What is the probability that the ticket drawn, bears a prime number?

A. 17/60

B. 4/15

C. 3/20

D. None

11. A box contains 40 items numbered 1 to 40, one item is drawn at random. Find the probability that the number on the item is either divisible by 3 or is a perfect square.

a) 13/40 (b) 15/40 (c) 17/40 (d) 19/40

12. In a bag, there are 12 mangoes. Out of those 4 are rotten. If two mangoes are taken out random from there, what is the probability to get exactly two rotten mangoes?

A. 2/15

B. 1/11

C. 1/15

D. 5/12

13. A box contains 5 yellow, 4 green and 3 white marbles. If 3 marbles are drawn at random, then what is the probability that they are not of the same colour?

A. 13/44

B. 41/44

C. 44/41

D. 41/55

14. Box contains 10 bulbs of which just 3 are defective if a random sample of 5 bulbs is drawn find the probability that the sample contains exactly two defective bulbs?

A. 5/12

B. 7/12

C. 3/17

D. 2/9

15.A bag contains 3 red, 5 yellow & 4 green balls. 3 balls are drawn randomly. What is the probability that the balls drawn contain no yellow ball?

a)7/44 b)2/47 c)1/44 d)None

16. A bag contains 3 red, 5 yellow and 4 green balls.3 balls are drawn randomly. What is the probability that the balls drawn contain balls of different colours?

A. 3/11

B. 6/11

C. 7/11

D. 4/7

17.A bag contains 3 red, 5 yellow and 4 green balls. 3 balls are drawn randomly. What is the probability that the balls drawn contain exactly two green balls ?

A.3/22

B.12/55

C.21/44

D.none