Q.1 The probability P(A) of an event is a-

(A) real number

(B) positive real number

(C) non- negative real number

(D) non- negative real number ≤ 1

Q.2 Winning a game by a player is-

(A) an experiment

(B) an event

(C) experiment and event both

(D) None of these

Q.3 In tossing a coin getting a head or tail is-

(A) experiment

(B) exclusive event

(C) joint event

(D) None of these

Q.4 The correct statement for any event A is-

(A) $0 \geq P(A) \geq 1$

(B) $0 \leq P(A) \leq 1$

(C) $P(A) = 1$

(D) $P(A) < 0$

Q.5 A coin is tossed three times. The probability that in the second toss head does not occur, is-

(A) 1

(B) 1/2

(C) 1/3

(D) 1/4

Q.6 The probability of coming up an even (odd) number in the throw of a die is-

(A) 1/6   (B) 1/2

(C) 1/3   (D) 2/3

Q.7 From a pack of playing cards three cards are drawn simultaneously. The probability that these are one king, one queen and one jack is-

(A) 64/5525   (B) 16/5525

(C) 128/5525   (D) 64/525

Q.8 The probability of getting difference of number as 5, when two dice are tossed together is-

(A) 1/9   (B) 1/18

(C) 1/12   (D) 5/36

Q.9 The probability of drawing a black king from a pack of 52 cards is-

(A) 1/13   (B) 1/26

(C) 2/13   (D) 4/13

Q.10 Three cards are drawn from a pack of 52 cards. The probability that they are of the same colour is-

(A) 4/17   (B) 22/225

(C) 3/17   (D) 2/17

Q.11 A bag contains 6 blue, 4 white and 6 red balls. Two balls are drawn at random. The probability that both the balls are red is-

(A) 1/3   (B) 1/6

(C) 1/8   (D) 2/9

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Q.12 A bag contains 20 tickets numbered with 1 to 20. Three tickets are drawn. The probability that ticket number 7 is definitely included and ticket number 18 is not included is-

(A) 51/380   (B) 1/20

(C) 3/20   (D) None of these

Q.13 From a lottery of 30 tickets, marked 1, 2, 3,...., 30, four tickets are drawn. The chance that those marked 1 and 2 are among them is-

(A) 413/145   (B) 2/145

(C) 1/145   (D) 4/145

Q.14 The probability that a non leap year will have 53 Saturdays is-

(A) 1/7   (B) 2/7

(C) 6/7   (D) 5/7

Q.15 The probability that a non leap year will have 52 Fridays is-

(A) 1/7   (B) 2/7

(C) 5/7   (D) 6/7

Q.16 The probability that a leap year will have 52 Sundays is-

(A) 1   (B) 5/7

(C) 2/7   (D) None of these

Q.17 There are 13 men and 2 women in a party. They are seated round a circular table. The probability that the two women will sit together is-

(A) 2/105   (B) 1/105

(C) 1/14   (D) 1/7

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Q.18 A bag contains two pairs of shoes. Two shoes are drawn from it. The probability that it is a pair is-

(A) 1/3   (B) 1/2

(C) 1/4   (D) 2/3

Q.19 If out of 20 consecutive whole numbers two are chosen at random, then the probability that their sum is odd, is-

(A) 5/19   (B) 10/19

(C) 9/19   (D) None of these

Q.20 If the probabilities of boy and girl to be born are same, then in a 4 children family the probability of being at least one girl, is-

(A) 14/16   (B) 15/16

(C) 1/8   (D) 3/8

Q.21 If 4 cards are drawn one by one from a pack of 52 cards, the probability that one will be from each suit, is-

(A) $\dfrac{13}{52} \times \dfrac{13}{39} \times \dfrac{13}{26} \times \dfrac{13}{13}$

(B) $\dfrac{13}{52} \times \dfrac{13}{51} \times \dfrac{13}{50} \times \dfrac{13}{49} \times 24$

(C) $\dfrac{13}{52} \times \dfrac{13}{39} \times \dfrac{13}{26} \times \dfrac{13}{13} \times 24$

(D) $\dfrac{13}{52} \times \dfrac{13}{51} \times \dfrac{13}{50} \times \dfrac{13}{49}$

Q.22 The probability that two persons have same date of birth is (in non-leap year)

(A) 0   (B) 1

(C) 1/365   (D) 364/365

Q.23 Two coins are tossed together. The probability of getting two heads is-

(A) 1/2   (B) 1/4

(C) 1/8   (D) 1/3

Q.24 Two dice are thrown together. The probability that the sum of their two numbers be 10 is-

(A) 1/6   (B) 1/12

(C) 2/3   (D) 1/4

Q.25 An urn contains 5 white and 3 black balls and 4 balls are drawn at random. The probability of getting white and black balls equal in number is-

(A) 1/7   (B) 2/7

(C) 3/7   (D) None of these

Q.26 From a book containing 100 page one page is selected randomly. The probability that the sum of the digits of the page number of the selected page is 11, is-

(A) 2/25   (B) 9/100

(C) 11/100   (D) None of these

Q.27 A bag contains 20 tickets marked with numbers 1 to 20. Two tickets are drawn, the probability that both numbers are prime is-

(A) 4/95   (B) 7/95

(C) 14/95   (D) 1/10

Q.28 Two dice are thrown, the probability that the total score is a prime number is-

(A) 1/6   (B) 5/12

(C) 1/2   (D) None of these

Q.29 A box contains 25 tickets numbered 1, 2,....25. If two tickets are drawn at random then the probability that the product of their numbers is even, is -

(A) 11/50   (B) 13/50

(C) 37/50   (D) None of these

Q.30 A bag contains 8 white and 6 red balls. 5 balls are drawn from the bag at random. The probability that 3 or more balls are white will be-

(A) 658/1001   (B) 317/1001

(C) 205/1001   (D) 210/1001

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	D	B	B	B	B	B	B	B	B	A
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	C	A	B	A	D	B	D	A	B	B
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	B	C	B	B	C	A	C	B	C	A