Probability test

Q1. A bag contains 21 toys numbered 1 to 21. A toy is drawn and then another toy is drawn without replacement. Find the probability that both toys will show even numbers.

(a) 5/21 (b) 3/14 (c) 6/22 (d) 4/21

Q2. When 3 fair coins are tossed together, what is the probability of getting at least 2 tails?

(a) ½ (b) 1/3 (c) ¼ (d) ¾

Q3. A fair coin is tossed repeatedly. If head appears on the first four tosses, then the probability of appearance of tail on the fifth toss is.

(a) 1/7 (b) 3/7 (c) ½ (d) 2/3

Q4. Three students appear at an examination of Mathematics. The probability of their success are 1/3, 1/4, 1/5 respectively. Find the probability of success.

(a) 3/5 (b) 2/5 (c) ¾ (d) None of these

Q5. Four boys and three girls stand in queue for an interview. The probability that they stand in alternate positions is?

(a) 1/35 (b) 1/34 (c) 1/68 (d) 1/17 (e) None of these

Q6. Seven white balls and three black balls are randomly placed in a row. Find the probability that no two black balls are placed adjacently to each other.

(a) 7/15 (b) 2/15 (c) 3/7 (d) 2/7 (e) None of these

Q7. If the probability that A will live 15 yr is 7/8 and that B will live 15 yr is 9/10, then what is the probability that both will live after 15 yr ?

(a) 1/5 (b) 1/20 (c) 63/80 (d) None of these

Q8. Three unbiased coins are tossed. What is the probability of getting at most 2 heads ?

(a) ½ (b) ¼ (c) 3/8 (d) 7/8

Q9. A brother and sister appear for an interview against two vacant posts in an office. The probability of the brother's selection is 1/5th and that of the sister's selections is 1/3rd. What is the probability that one of them is selected?

(a) 1/3 (b) 2/3 (c) 1/5 (d) 2/5

Q10. Four whole number taken at random are multiplied together. The chance that the last digit of the product is 1, 3, 7, or 9 is ?

(a) 4/625 (b) 16/625 (c) 1/625 (d) 2/625

Answer key

1	B	3	C	5	A	7	C	9	D
2	A	4	A	6	A	8	D	10	B