

General Instructions:

1. This question paper consists of **15 multiple-choice questions (MCQs)**.
2. Each question carries **1 mark**. The maximum marks for this test are **15**.
3. The total time allowed to complete this test is **20 minutes**.
4. All questions are compulsory.
5. Each question has **four options (A), (B), (C), and (D)**. Only one option is correct.
6. Students must choose the **most appropriate option** for each question.
7. No marks will be deducted for incorrect answers.
8. Calculators and other electronic devices are **not permitted**.
9. Rough work should be done neatly in the space provided (if any).
10. Read each question carefully before answering.

Chapter: Probability (Introductory) **Class:** 7

Test Code: 2026/Probability/VII/03

Max Marks: 15

General Instructions:

1. This paper contains 15 Multiple Choice Questions (MCQs).
2. Each question carries 1 mark.
3. Read each scenario carefully before calculating the favorable outcomes.

Q.1 A letter is chosen at random from the word 'MATHEMATICS'. What is the probability that it is the letter 'M'?

- (a) $1/11$
- (b) $2/11$
- (c) $1/9$
- (d) $2/9$

Q.2 If two coins are tossed simultaneously, what is the probability of getting no heads?

- (a) $1/2$
- (b) $1/4$
- (c) $3/4$
- (d) 0

Q.3 A bag contains 5 red, 8 white, and 4 green marbles. A marble is drawn at random. What is the probability that the marble is NOT white?

- (a) $8/17$

- (b) $5/17$
- (c) $9/17$
- (d) $12/17$

Q.4 A die is thrown. What is the probability of getting a prime number?

- (a) $1/2$
- (b) $1/3$
- (c) $2/3$
- (d) $1/6$

Q.5 A box contains cards numbered 1 to 50. A card is drawn at random. What is the probability that the number on the card is a multiple of 7?

- (a) $7/50$
- (b) $1/10$
- (c) $8/50$
- (d) $1/7$

Q.6 From a deck of 52 cards, a card is drawn. What is the probability that it is a 'Spade' or an 'Ace'?

- (a) $17/52$
- (b) $16/52$
- (c) $13/52$
- (d) $4/52$

Q.7 If the probability of an event happening is $2/9$, what is the probability of it not happening?

- (a) $7/9$
- (b) 1

- (c) 0
- (d) $\frac{2}{7}$

Q.8 A number is chosen from the first 20 natural numbers. What is the probability that it is a composite number?

- (a) $\frac{11}{20}$
- (b) $\frac{12}{20}$
- (c) $\frac{13}{20}$
- (d) $\frac{9}{20}$

Q.9 A spinner has 5 sectors: Red, Blue, Green, Yellow, and Orange. If it is spun once, what is the probability it does NOT land on Red or Blue?

- (a) $\frac{1}{5}$
- (b) $\frac{2}{5}$
- (c) $\frac{3}{5}$
- (d) $\frac{4}{5}$

Q.10 Two dice are thrown. What is the probability that the sum of the numbers is a multiple of 5?

- (a) $\frac{7}{36}$
- (b) $\frac{5}{36}$
- (c) $\frac{1}{6}$
- (d) $\frac{1}{4}$

Q.11 Which of the following is an experiment with equally likely outcomes?

- (a) Tossing a biased coin
- (b) Choosing a day of the week
- (c) Predicting if a baby is a boy or girl

(d) Both (b) and (c)

Q.12 A bag has 15 balls marked with numbers 1 to 15. A ball is drawn. The probability that the number is a perfect cube is:

(a) $1/15$

(b) $2/15$

(c) $3/15$

(d) $4/15$

Q.13 The probability of picking a vowel from the word 'EXAMINATION' is:

(a) $5/11$

(b) $6/11$

(c) $1/2$

(d) $4/11$

Q.14 If a coin is tossed 100 times and tails appears 45 times, the experimental probability of getting a head is:

(a) 0.45

(b) 0.55

(c) 0.50

(d) 1

Q.15 A drawer contains 4 blue socks and 6 black socks. If one sock is taken out at random, the probability that it is black is:

(a) $2/5$

(b) $3/5$

(c) $1/2$

(d) $4/6$

— *End of Question Paper* —

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