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/02
Max Marks: 15

General Instructions:

1. This paper contains 15 Multiple Choice Questions (MCQs).
2. Each question carries 1 mark.
3. Attempt all questions. Use rough sheets for calculations.

Q.1 A card is drawn from a pack of 52 cards. What is the probability that it is a 'King' of a red color?

(a) 1/52
(b) 1/26
(c) 1/13
(d) 1/4

Q.2 Three coins are tossed simultaneously. What is the probability of getting exactly two tails?

(a) 1/8
(b) 1/4
(c) 3/8
(d) 1/2

Q.3 A box contains 90 discs numbered 1 to 90. If one disc is drawn at random, what is the probability that it bears a two-digit number?

(a) 81/90

(b) 1/10

(c) 9/10

(d) 4/5

Q.4 In a survey of 200 ladies, it was found that 142 like coffee while 58 dislike it. If a lady is chosen at random, what is the probability that she dislikes coffee?

(a) 71/100

(b) 29/100

(c) 31/100

(d) 142/200

Q.5 A bag contains 3 red balls, 5 black balls, and 4 white balls. A ball is drawn at random. What is the probability that the ball is NOT red?

(a) 1/4

(b) 3/4

(c) 5/12

(d) 1/3

Q.6 If $P(E) = 0.65$, then $P(\text{not } E)$ is:

(a) 0.35

(b) 0.45

(c) 0.55

(d) 1.65

Q.7 A die is thrown once. What is the probability of getting a number less than 5?

(a) 1/6

(b) 1/3

(c) 2/3

(d) 5/6

Q.8 A letter is chosen at random from the English alphabet. What is the probability that it is a consonant?

(a) 5/26

(b) 21/26

(c) 1/26

(d) 1/2

Q.9 A number is chosen at random from the numbers -3, -2, -1, 0, 1, 2, 3. What is the probability that the square of this number is less than or equal to 1?

(a) 3/7

(b) 2/7

(c) 1/7

(d) 4/7

Q.10 There are 25 tickets numbered 1 to 25 in a box. One ticket is drawn at random. What is the probability that the number on the ticket is a multiple of 3 or 5?

(a) 12/25

(b) 11/25

(c) 13/25

(d) 2/5

Q.11 In a class of 40 students, 25 are girls and the rest are boys. If a student is selected at random to be the class monitor, what is the probability that the student is a boy?

(a) 3/8

(b) 5/8

(c) 1/4

(d) 3/5

Q.12 A bag contains 100 identical slips of paper numbered 1 to 100. If a slip is drawn, what is the probability that the number is a prime number less than 20?

(a) 7/100

(b) 8/100

(c) 9/100

(d) 10/100

Q.13 What is the probability that a leap year has 53 Mondays?

(a) 1/7

(b) 2/7

(c) 3/7

(d) 1/366

Q.14 The probability of an event which is sure to happen is:

(a) 0

(b) 0.5

(c) 1

(d) Between 0 and 1

Q.15 Two dice are thrown at the same time. The probability that the product of the two numbers on the top of the dice is 12 is:

(a) 1/9

(b) 4/36

(c) 1/6

(d) Both (a) and (b)

— End of Question Paper —