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Section A MCQ – 1 Mark Each

- Q.1 A fair dice is rolled. Probability of getting a number a such that $1 \leq a \leq 6$, is
(a) 0 (b) > 1 (c) 1 (d) between 0 and 1
- Q.2 A card is drawn from a well shuffled pack of 52 playing cards. The probability that the card is a red or a hearts is
(a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) $\frac{1}{2}$ (d) $\frac{3}{13}$
- Q.3 The probability of getting a number between 1 and 25 which prime is
(a) $\frac{2}{23}$ (b) $\frac{9}{23}$ (c) $\frac{5}{23}$ (d) None of these
- Q.4 Which of the following cannot be the probability of an event?
(a) $\frac{1}{3}$ (b) 0.1 (c) 3 % (d) $\frac{17}{16}$
- Q.5 A girl calculates that the probability of her winning the first prize in a lottery is 0.08. If 6000 tickets are sold, how many tickets has she bought?
(a) 40 (b) 240 (c) 480 (d) 750
- Q.6 A single letter is selected at random from the word 'PROBABILITY'. The probability that it is a vowel is
(a) $\frac{3}{11}$ (b) $\frac{4}{11}$ (c) $\frac{5}{11}$ (d) $\frac{2}{11}$

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Section B – 2 Mark Each

- Q.7 A bag contains 5 black, 4 red and 6 white balls. A ball is drawn from the bag at random. Find the probability that the ball drawn is (i) red (ii) black or white
- Q.8 Find the probability that a number selected at random from the numbers 1, 2, 3 ..., 35 is a
- (i) Prime number
- (iii) Multiple of 3 or 5
- Q.9 (i) Two dice are thrown simultaneously. What is the probability that
- (a) 5 will not come up on either of them?
- (b) 5 will come up at the both dice?

Section B – 3 Mark Each

- Q.10 A game consists of tossing one rupee coin 3 times and noting its outcome each time. Ankit wins if all the tosses give the same result that is three heads or three tails and loses otherwise. Calculate the probability that Ankit will lose the game.

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