Bal Bharati PUBLIC SCHOOL RGPPL RATNAGIRI

ACADEMIC YEAR 2021-22

Grade: X

Subject: MATHEMATICS

CH – 15 - PROBABILITY - ASSIGNMENT -1

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1. An unbiased die is thrown. What is the probability of getting

a). an even number

b). a multiple of 3

c). a multiple of 2 or 3

d). a number less than 5 divisible by 2.

2. Three coins are tossed simultaneously. What is the probability of getting

i). exactly two heads

ii). at least two heads

iii). at most two heads

iv). one head or two heads

v). exactly one tail

3 . Two dice are thrown simultaneously. Find the probability of getting

a). an even number on first dice

b). an odd number on first dice

c). an even number as the sum

d). a multiple of 5 as the sum

e). a multiple of 7 as the sum

4. One card is drawn from a well-shuffled deck of 52 cards. Find the probability of getting

(a) an ace card

(b) a red card

(c) either red or king card

(d) red and a king

(e) '2' of spades

(f) '10' of a black suit

5. Five cards—the ten, jack, queen, king and ace of diamonds, are well-shuffled with their face downwards. One card is then picked up at random.

(i) What is the probability that the card is the queen?

(ii) If the queen is drawn and put aside, what is the probability that the second card picked up is (a) an ace? (b) a queen?

6. The king , queen and jack of clubs are removed from a pack of 52 playing cards. One card is selected at random from the remaining cards. Find the probability that the card is

(a) neither a heart nor a king

(b) neither an ace nor a king

(c) neither a red card nor a queen card

(d) a black card or an ace.

(e) either a heart or a spade card

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