

X - Mathematics Assignment No-04 - Probability

- Q1. From a bag containing chits numbered 1, 2, 3, ..... 50. Two chits are drawn. Find the probability that both the chits have prime numbers.
- Q2. A bag contains 5 white and 4 blue balls. 2 ~~at~~ balls are drawn from the bag. Find the probability that both are white balls.
- Q3. A box contains 5 red, 7 green and 3 blue balls. A ball is drawn at random. Find the probability that ball drawn is non-red.
- Q4. A card is drawn from a well-shuffled pack of cards. Find the probability of getting black ace.
- Q5. A pair of dice is thrown once. Find the probability that the sum is neither 7 nor 11.
- Q6. The probability of an event A is  $\frac{7}{9}$ . Find the probability of not A.

Q7. A die is, thrown, find the probability of having a number greater than or equal to 5.

Q8. A Coin is thrown three times. Find the probability of getting 3 heads

Q9. one Card is drawn from a pack of Cards. Find the probability that it is a spade

Q10 A bag contains 17 Cards numbered 1, 2, 3, - - - 17. one Card is drawn from the bag. Find the probability that it has

(i) Prime no. (ii) odd no.

ANSWERS:-

(Q1) $\frac{3}{35}$	(Q5) $\frac{7}{9}$	(Q8) $\frac{1}{8}$
(Q2) $\frac{5}{18}$	(Q6) $\frac{2}{9}$	(Q9) $\frac{1}{4}$
(Q3) $\frac{2}{3}$	(Q7) $\frac{1}{3}$	(Q10) (i) $\frac{7}{17}$
(Q4) $\frac{1}{26}$		(ii) $\frac{9}{17}$