**Std. : 10th CBSE Date : 04/06/2017**

**Sub : Maths Marks : 30 Time : 1 hr.**

1. A bag contains 3 red balls and 5 black balls. A ball is drawn at random from the bag. What is the probability that the ball drawn is (i) red (ii) not red. **[02]**

2. A box contains 5 red marbles, a white marbles and 4 green marbles, one marble is taken out of the box at random. What is the probability that the marble taken out will be **[04]**

 (i) Red (ii) White

3. A die is thrown ones, find the probability of getting **[06]**

(1) A prime member

 (2) A number lying between 2 and 6

 (3) an odd number

 4. Two coins are tossed simentaneously find the probability of getting (1) All heads (2) no head **[04]**

5. One card is drawn from a well shuffled deck of 52 cards. Calculate the probability that card will be

 (1) be an ace (2) not be an ace **[04]**

6. Three embaised coins are tossed together. Find the probability of getting **[04]**

(1) all heads (2) exactly 2 heads

7. Find the probability that a leap year selected at random, will contain 53 Sundays. **[04]**

**\*Best of Luck\***