Mock Test	Probability (chapter-15)	TIME: 1 Hours

1. A card is drawn at random from a pack of 52 cards. Find the probability that the card drawn is a heart.

2. The king, queen and jack of clubs are removed from a deck of 52 playing cards and the well shuffled. One card is selected from the remaining cards. Find the probability of getting a heart.

3. A number x is selected from the numbers 1,2,3 and then a second number randomly selected from the numbers 1,4,9. What is the probability that the product xy of the two numbers will be less than 9?

4. Find the probability that a leap year selected at random will contain 53 Sundays.

5. A bag contains 5 red, 8 white and 7 black balls. A ball is drawn at random from the bag. Find the probability that the drawn ball is neither white nor black.

6. A bag contains 5 red, 8 white and 7 black balls. A ball is drawn at random from the bag. Find the probability that the drawn ball is:

7.   (a)Red or white   (b) Not black

8. A lot consists of 144 ball pens of which 20 are defective and the others are good. Nuri will buy a pen if it is good, but will not buy if it defective. The shopkeeper draws one pen at random and gives it to her. What is the probability that :

   (a) She will buy it?

   (b)She will not buy it?

9. Three unbiased coins are tossed together. Find the probability of getting:

   (a)All heads

   (b)At least two heads

10.   A card is drawn at random from a pack of 52 cards. Find the probability that the card drawn is:

   (a) the ace of spades   (c) jack

   (b) a queen   (d) the seven of clubs