ASSIGNMENT

1. Three unbiased dice are thrown together. What is the probability that the sum of the numbers appering on upper side is 15?

2. A card is drawn at random from a pack of 52 cards. What is the probability that the card is a spade or king?

3. There are five white and some black balls in an urn. Two balls are drawn from this urn. If the probability that both the balls are black is 3/28, find the number of black balls.

4. A problem is given to three students A, B and C. The probabilities of their solving the problem are 1/2, 1/3 and 1/4 respectively. Find the probability that the problem will be solved.

5. In an urn there are 3 red and 7 white balls. One ball is selected at random from the urn and in place of it a ball of the other colour is placed. Now one ball is drawn at random from the urn. What is the probability that it is red?