

Mathematics Assignment No-06 - Data Handling

- Q1. A Coin is tossed two times. Write its Sample Space
- Q2. A Dice is tossed once, Write its Sample Space.
- Q3. A Coin is tossed once. Find The probability of Head (i) Tail.
- Q4. A Dice is tossed once. Find The Probability of even numbers.
- Q5. In a class there are 12 Students 5 are boys and rest are girls  
Find the probability that a Student Selected will be a girl.
- Q6. A die is tossed two times.  
Find The probability of doublet.
- Q7. A bag Contains 4 Red and 8 blue marbles. A marble is drawn at random  
What is the probability of drawing  
(i) Red marble (ii) blue marble.

Cont Pg-2

- Q8. A Box Contains 600 bulbs out of which 200 bulbs are defective. Find the probability of defective bulbs.
- Q9. In a Cricket match with Pakistan, Indian team has to choose a captain out of Sehwag, Dravid, Sachin, Saurav, Anil.  
 What is the probability that  
 (i) Saurabh (ii) not Sachin  
 are selected as Captain of the team
- Q10. Nos. 1 to 10 are written on a slip and are kept in a box. One slip is picked up. Find the probability that the no. on the slip is  
 (i) 6 (ii) less than 6  
 (iii) greater than 6 (iv) only one digit no.

ANSWERS

Q1.  $S = \{HH, TT, HT, TH\}$

Q2.  $S = \{1, 2, 3, 4, 5, 6\}$

Q3. (i)  $\frac{1}{2}$  (ii)  $\frac{1}{2}$

Q4.  $\frac{1}{2}$

Q5.  $\frac{7}{12}$

(Q6)  $\frac{1}{6}$

(Q7)  $\frac{1}{3}$  and  $\frac{2}{3}$

Q8.  $\frac{1}{3}$

Q9. (i)  $\frac{1}{5}$  (ii)  $\frac{4}{5}$

Q10. (i)  $\frac{1}{10}$  (ii)  $\frac{1}{2}$  (iii)  $\frac{2}{5}$  (iv)  $\frac{9}{10}$