

IX - Mathematics Assignment No-01 - Probability

- (Q1) Find the probability of tail when a coin is tossed once
- (Q2) Write the sample space of a coin tossed three times
- (Q3) Find the probability of even number when a dice is tossed once.
- (Q4) From a pack of cards. Find the probability of red cards
- (Q5) A Box has 3 red and 9 black balls. Find the probability of
 - Red ball
 - Black ball.
 And prove that sum of these two probabilities is 1
- (Q6) In tossing of a dice, Find the probability of even number by finding the probability of odd number.

Cont Pg-2

- (Q7) In a Shelf (book), there are 20 English books, 25 literature books, 30 languages books and 5 Mathematics books. Find the probability of each book.
- (Q8) In a cricket match, a batsman hits a boundary 10 times out of 60 balls he played. Find the probability that he did not hit a boundary.
- (Q9) A coin is tossed 3 times. Find the probability of at least one head.
- (Q10) A pair of dice is tossed once. Find the probability of doublet. (i.e. Same number on both dice)

ANSWERS'

(Q1) $\frac{1}{2}$	(Q3) $\frac{1}{2}$	(Q6) $\frac{1}{2}$
(Q2) {HHH, TTT, HHT, HTH, THH, TTH, THT, HTT} Total=8	(Q4) $\frac{1}{2}$	(Q7) $\frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{1}{16}$
	(Q5) (i) $\frac{1}{4}$ (ii) $\frac{3}{4}$	(Q8) $\frac{5}{6}$
		(Q9) $\frac{7}{8}$
		(Q10) $\frac{1}{6}$