SBI Apprentice 2020 की तैयारी

Quantitative Aptitude

Probability

(प्रायिकता)

Part-2

2:00 PM

PROBABILITY

PROBABILITY

$$P(E) = \frac{\textbf{\textit{Sample points (S.P.)}}}{\textbf{\textit{Sample space (S.S.)}}}$$

The set of all possible out comes of an experiment is called the sample space. Every out comes (element) of the sample space is called sample point.

TYPE OF QUESTIONS

- Coins
- Dice
- Cards
- Balls (Marbles)
- Miscellaneous

COINS

SAMPLE SPACE OF COINS

1C	=	2^1	=	2
2C	=	2^2	=	4
3C	=	2^3	=	8
‘N’ coins’			=	2^n

Ex: **Two coins are tossed simultaneously find the probability of getting- (i) Head on both coins.**

Sol:

Ex: **Two coins are tossed simultaneously. Find the probability of getting- (ii) None Head on both coins**

Sol:

Ex: **Two coins are tossed simultaneously. Find the probability of getting-(iii) 1 Head & 1 tail on both coins ?**

Sol:

DICE

SAMPLE SPACE FOR DICE

1 – dice	=	6^1	=	6
2 – dice	=	6^2	=	36
3 – dice	=	6^3	=	216
‘N’- dice	=	6^n		

DICE

Sum			No. of Chance
2	or	12	1
3	or	11	2
4	or	10	3
5	or	9	4
6	or	8	5
		7	6

Note: Applicable Only on 2 dice.

Ex: **Two dice are thrown simultaneously . Find the probability of getting -(i) A sum is greater than 9 on the face of the both dice.**