

Abhishek Kumar

CCE-B

209202156

Maths Assignment

Q17 X represents the no. of heads when a coin is tossed three times :-

i) for $x=0$, $S = \{TTT\}$
 $P(x) = 1/8$

ii) for $x=1$ $S = \{HTT, THT, TTH\}$

$$P(x) = 1/8 + 1/8 + 1/8 = 3/8$$

iii) for $x=2$ $S = \{HHT, HTH, THH\}$

$$P(x) = 1/8 + 1/8 + 1/8 = 3/8$$

Req. probability distribution table

x	0	1	2	3
P(x)	1/8	3/8	3/8	1/8

Q2.7 No. of bad apples = 4
No. of good apples = 16

Total No. of apple = 20.

Let n represents no. of bad apples in a draw of apples.