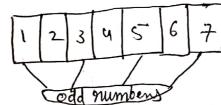
P(A) = Ist card is should

$$P(A) = \frac{13c_1}{52c_1} = \frac{13}{52}$$

$$= \frac{12c_1}{51c_1} = \frac{12}{51} = \frac{4}{17}$$

Ans: - Bropability of Second Card downer is speeder = 4/17



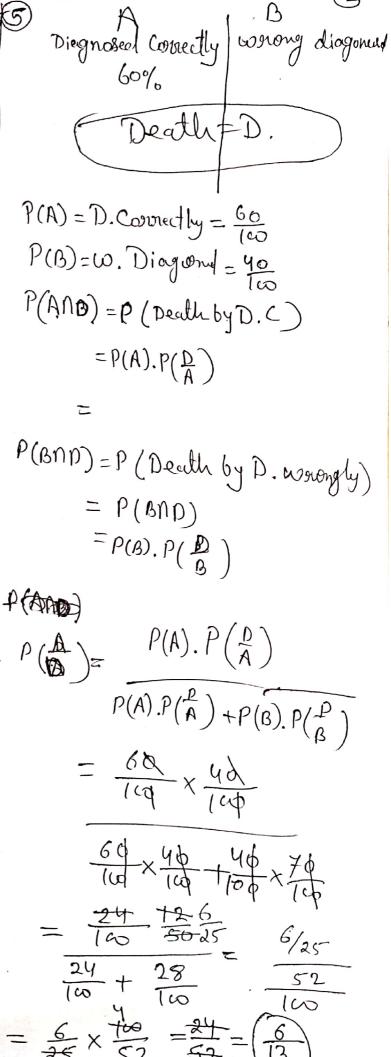
$$P(A) = \frac{4c_1}{7c_1}$$

$$P(B) = P(\frac{B}{A}) = \frac{3c_1}{6c_1} = \frac{3}{6}$$

$$P(c) = II^{nd} \text{ add } \text{ ball} = \frac{2c_1}{5c_1} = \frac{2}{5}$$

P (having thous odd balls) = P(A). P(
$$\frac{B}{A}$$
). P($\frac{C}{AB}$)

$$=\frac{4}{7}\times\frac{1}{8}\times\frac{1}{5}=\frac{4}{35}$$



AWS -> B -> 6/13

Ans = 11/24

Scanned with CamScanner

ASSIGNMENT-2

Don. Kloran & Don. Manika

X=8c -2 -1 0 1 2

$$P(x)$$
 y_g 2/9 3/9 2/9 1/9

 $P(|x|>1) = P(+2|x|) + P(|x|)$
 $= P(|x|>1)$
 $= P(|x|>1)$
 $= P(|x|>1)$
 $= P(|x|>1)$

8)
$$\Sigma P(x) = 1$$
 $\Sigma P(x) = 1$
 $\Sigma P(x) = 1$

9 n-> Mutually Endependent events are given

P, P2 - Pn.

P, -> is the prob. of hufth. of event

(1-P,) -> is the prob. of non hufth. of event

so (1-P,) (1-P2) ... (1-Pn) is the prob. of non hufthmy of events

So. = \[\left(1-P_1 \right) \left(1-P_2 \right) \\ \text{Ons} = \B \\ \text{Doubling in L. Dr. Monika} \\ \text{of least of One event} \\ \text{Doubling in L. Dr. Monika} \\ \text{hatpens} \end{array}

(1) (1-P₂) (1-P₃) (1-P₄)
$$= (0.9)(0.9)(0.9)(0.9)$$

Dony wet

Sili

Chargers fail

2.5./. F 5.6'l.

Total probability fluorum.

$$P(Fails) = P(A) \cdot P(E) + P(B) \cdot P(E)$$

$$= \frac{2.5}{100} \times \frac{91}{100} + \frac{5.6}{100} \times \frac{9}{100}$$

$$= 0.025 \times 0.91 + 0.056 \times 0.09$$

$$= 0.0277$$

$$= 0.28$$