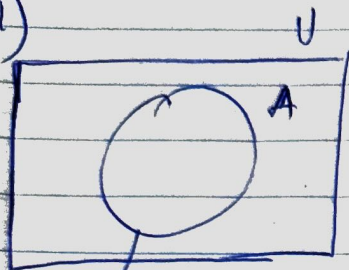
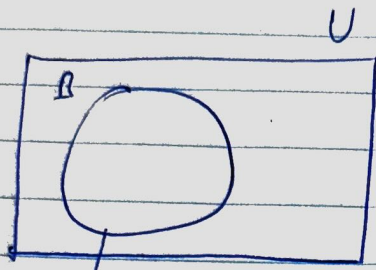


17)

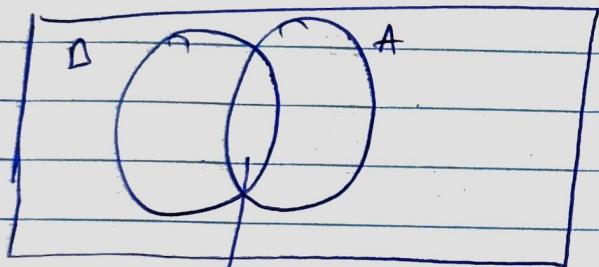


$P(A)$



$P(B)$

U



$P(A \cap B)$

$$P(B/A) = P(A) / P(A \cap B)$$

$$P(A/B) = P(B) / P(A \cap B)$$

$$\begin{aligned} P(A \cap B) &= P(B/A) \cdot P(A) \\ &= P(A/B) \cdot P(B) \end{aligned}$$

$$\Rightarrow P(B/A) = \frac{P(A/B) \cdot P(B)}{P(A)}$$