Exemplar Problem

Q. 72 If the events A and B are independent, then $P(A \cap B)$ is equal to

(a) $P(A) + P(B)$

(b) $P(A) - P(B)$

(c) $P(A) \cdot P(B)$

(d) $P(A) / P(B)$

Sol. *(c)* If A and B are independent, then $P(A \cap B) = P(A) \cdot P(B)$