Exam P  Problem 17

Givens:
1) \( \Pr(EO) = .85 \)
   
   \[ .85 = \Pr(E) + \Pr(O) - \Pr(ENO) \]

2) \( .25 = 1 - \Pr(E) \)
   
   \[ \Pr(E) = .75 \]

3) \( \Pr(ENO) = \Pr(E) \Pr(O) \)
   
   \[ .85 = \Pr(E) + \Pr(O) - \Pr(E) \Pr(O) \]

   \[ .85 = .75 - (.75) \Pr(O) \]

   \[ .10 = .25 \Pr(O) \]

\[ \Pr(O) = .40 \]

[D]