

103. For a multiple decrement model on (60):

(i) $\mu_{x+t}^{(1)}$, $t \geq 0$, follows the Illustrative Life Table.

(ii) $\mu_{60+t}^{(\tau)} = 2\mu_{60+t}^{(1)}$, $t \geq 0$

Calculate ${}_{10|}q_{60}^{(\tau)}$, the probability that decrement occurs during the 11th year.

(A) 0.03

(B) 0.04

(C) 0.05

(D) 0.06

(E) 0.07