

20. For a double decrement table, you are given:

(i) $\mu_{x+t}^{(1)} = 0.2 \mu_{x+t}^{(\tau)}$, $t > 0$ and instruction requested lower case tau, but it already was

(ii) $\mu_{x+t}^{(\tau)} = kt^2$, $t > 0$

(iii) $q_x^{(1)} = 0.04$

Calculate ${}_2q_x^{(2)}$.

(A) 0.45

(B) 0.53

(C) 0.58

(D) 0.64

(E) 0.73