

**145.** Given:

(i) Superscripts  $M$  and  $N$  identify two forces of mortality and the curtate expectations of life calculated from them.

$$(ii) \quad \mu_{25+t}^N = \begin{cases} \mu_{25+t}^M + 0.1*(1-t), & 0 \leq t \leq 1 \\ \mu_{25+t}^M, & t > 1 \end{cases}$$

(iii)  $e_{25}^M = 10.0$

Calculate  $e_{25}^N$ .

(A) 9.2

(B) 9.3

(C) 9.4

(D) 9.5

(E) 9.6