

41. For a fully discrete whole life insurance of 1000 on (40), you are given:

(i) $i = 0.06$

(ii) Mortality follows the Illustrative Life Table.

(iii) $\ddot{a}_{40:\overline{10}|} = 7.70$

(iv) $\ddot{a}_{50:\overline{10}|} = 7.57$

(v) $1000A_{40:\overline{20}|}^1 = 60.00$

At the end of the tenth year, the insured elects an option to retain the coverage of 1000 for life, but pay premiums for the next ten years only.

Calculate the revised annual benefit premium for the next 10 years.

(A) 11

(B) 15

(C) 17

(D) 19

(E) 21