178. A special whole life insurance of 100,000 payable at the moment of death of (x) includes a double indemnity provision. This provision pays during the first ten years an additional benefit of 100,000 at the moment of death for death by accidental means.

You are given:

- (i) $\mu_{x+t}^{(\tau)} = 0.001, \quad t \ge 0$
- (ii) $\mu_{x+t}^{(1)} = 0.0002$, $t \ge 0$, is the force of decrement due to death by accidental means.
- (iii) $\delta = 0.06$

Calculate the single benefit premium for this insurance.

- (A) 1640
- (B) 1710
- (C) 1790
- (D) 1870
- (E) 1970