

95. For a special whole life insurance:

- (i) The benefit for accidental death is 50,000 in all years.
- (ii) The benefit for non-accidental death during the first 2 years is return of the single benefit premium without interest.
- (iii) The benefit for non-accidental death after the first 2 years is 50,000.
- (iv) Benefits are payable at the moment of death.
- (v) Force of mortality for accidental death: $\mu_x^{(1)} = 0.01, \quad x \geq 0$
- (vi) Force of mortality for non-accidental death: $\mu_x^{(2)} = 2.29, \quad x \geq 0$
- (vii) $\delta = 0.10$

Calculate the single benefit premium for this insurance.

- (A) 1,000
- (B) 4,000
- (C) 7,000
- (D) 11,000
- (E) 15,000