

135. For a special whole life insurance of 100,000 on (x) , you are given:

- (i) $\delta = 0.06$
- (ii) The death benefit is payable at the moment of death.
- (iii) If death occurs by accident during the first 30 years, the death benefit is doubled.
- (iv) $\mu_{x+t}^{(\tau)} = 0.008, t \geq 0$
- (v) $\mu_{x+t}^{(1)} = 0.001, t \geq 0$, is the force of decrement due to death by accident.

Calculate the single benefit premium for this insurance.

- (A) 11,765
- (B) 12,195
- (C) 12,622
- (D) 13,044
- (E) 13,235