

204. For a 10-payment, 20-year term insurance of 100,000 on Pat:

- (i) Death benefits are payable at the moment of death.
- (ii) Gross premiums of 1600 are payable annually at the beginning of each year for 10 years.
- (iii) $i = 0.05$
- (iv) L is the loss random variable at the time of issue.

Calculate the minimum value of L as a function of the time of death of Pat.

- (A) $-21,000$
- (B) $-17,000$
- (C) $-13,000$
- (D) $-12,400$
- (E) $-12,000$