

206. Michael, age 45, is a professional motorcycle jumping stuntman who plans to retire in three years. He purchases a three-year term insurance policy. The policy pays 500,000 for death from a stunt accident and nothing for death from other causes. The benefit is paid at the end of the year of death.

You are given:

(i) $i = 0.08$

(ii)

x	$l_x^{(\tau)}$	$d_x^{(-s)}$	$d_x^{(s)}$
45	2500	10	4
46	2486	15	5
47	2466	20	6

where $d_x^{(s)}$ represents deaths from stunt accidents and $d_x^{(-s)}$ represents deaths from other causes.

(iii) Level annual benefit premiums are payable at the beginning of each year.

Calculate the annual benefit premium.

- (A) 920
- (B) 1030
- (C) 1130
- (D) 1240
- (E) 1350