

147. For a special 3-year term insurance on (30), you are given:

- (i) Premiums are payable semiannually.
- (ii) Premiums are payable only in the first year.
- (iii) Benefits, payable at the end of the year of death, are:

k	b_{k+1}
0	1000
1	500
2	250

- (iv) Mortality follows the Illustrative Life Table.
- (v) Deaths are uniformly distributed within each year of age.
- (vi) $i = 0.06$

Calculate the amount of each semiannual benefit premium for this insurance.

- (A) 1.3
- (B) 1.4
- (C) 1.5
- (D) 1.6
- (E) 1.7