

184. For a special fully discrete 30-payment whole life insurance on (45), you are given:

- (i) The death benefit of 1000 is payable at the end of the year of death.
- (ii) The benefit premium for this insurance is equal to $1000P_{45}$ for the first 15 years followed by an increased level annual premium of π for the remaining 15 years.
- (iii) Mortality follows the Illustrative Life Table.
- (iv) $i = 0.06$

Calculate π .

- (A) 16.8
- (B) 17.3
- (C) 17.8
- (D) 18.3
- (E) 18.8