

**97.** For a special fully discrete 10-payment whole life insurance on (30) with level annual benefit premium  $\pi$  :

(i) The death benefit is equal to 1000 plus the refund, without interest, of the benefit premiums paid.

(ii)  $A_{30} = 0.102$

(iii)  ${}_{10|}A_{30} = 0.088$

(iv)  $(IA)_{30:\overline{10}|}^1 = 0.078$

(v)  $\ddot{a}_{30:\overline{10}|} = 7.747$

Calculate  $\pi$  .

(A) 14.9

(B) 15.0

(C) 15.1

(D) 15.2

(E) 15.3