

**285.** You are given:

- (i) The force of mortality follows Makeham's law where  $A = 0.00020$ ,  $B = 0.000003$  and  $c = 1.10000$ .
- (ii) The annual effective rate of interest is 5%.

Calculate  ${}_1|a_{70:\overline{2}|}$ .

- (A) 1.73
- (B) 1.76
- (C) 1.79
- (D) 1.82
- (E) 1.85