

**46.** For a temporary life annuity-immediate on independent lives (30) and (40):

(i) Mortality follows the Illustrative Life Table.

(ii)  $i = 0.06$

Calculate  $a_{30:40:\overline{10}|}$ .

(A) 6.64

(B) 7.17

(C) 7.88

(D) 8.74

(E) 9.86