

68. For a special fully discrete whole life insurance on (x) :

- (i) The death benefit is 0 in the first year and 5000 thereafter.
- (ii) Level benefit premiums are payable for life.
- (iii) $q_x = 0.05$
- (iv) $v = 0.90$
- (v) $\ddot{a}_x = 5.00$
- (vi) The benefit reserve at the end of year 10 for a fully discrete whole life insurance of 1 on (x) is 0.20.
- (vii) ${}_{10}V$ is the benefit reserve at the end of year 10 for this special insurance.

Calculate ${}_{10}V$.

- (A) 795
- (B) 1000
- (C) 1090
- (D) 1180
- (E) 1225