**289.** For a 3-year term insurance on (60), you are given:

(i) The death benefit is 1,000,000.
(ii) The death benefit is payable at the end of the year of death.
(iii) $q_{60+t} = 0.014 + 0.001t$
(iv) Cash flows are accumulated at annual effective rate of interest of 0.06.
(v) The annual gross premium is 14,500.
(vi) Expenses prior to issue are 1000 and are paid at time 0.
(vii) Expenses after issue are 100 payable immediately after the receipt of each gross premium.
(viii) The reserve is 700 at the end of the first and second years.
(ix) Profits are discounted at annual effective rate of interest of 0.10.

Calculate the expected present value at issue of profits of the policy.

(A) -155

(B) -174

(C) -177

(D) -187

(E) -216