

28. For T , the future lifetime random variable for (0):

(i) $\omega > 70$

(ii) ${}_{40}p_0 = 0.6$

(iii) $E(T) = 62$

(iv) $E[\min(T, t)] = t - 0.005t^2, \quad 0 < t < 60$

Calculate the complete expectation of life at 40.

(A) 30

(B) 35

(C) 40

(D) 45

(E) 50