

166. You are given:

- (i) $\mu_{x+t} = 0.03, \quad t \geq 0$
- (ii) $\delta = 0.05$
- (iii) T_x is the future lifetime random variable.
- (iv) g is the standard deviation of $\bar{a}_{\overline{T_x}|}$.

Calculate $\Pr\left(\bar{a}_{\overline{T_x}|} > \bar{a}_x - g\right)$.

- (A) 0.53
- (B) 0.56
- (C) 0.63
- (D) 0.68
- (E) 0.79