

269-273. Use the following information for questions 269-273. You are given:

- (i) (30) and (50) have independent future lifetimes, each subject to a constant force of mortality equal to 0.05.
- (ii) $\delta = 0.03$

269. Calculate ${}_{10}q_{\overline{30:50}}$.

- (A) 0.155
- (B) 0.368
- (C) 0.424
- (D) 0.632
- (E) 0.845

270. Calculate $\ddot{e}_{\overline{30:50}}$.

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50