

- 43.** You intend to hire 200 employees for a new management-training program. To predict the number who will complete the program, you build a multiple decrement table. You decide that the following associated single decrement assumptions are appropriate:
- (i) Of 40 hires, the number who fail to make adequate progress in each of the first three years is 10, 6, and 8, respectively.
 - (ii) Of 30 hires, the number who resign from the company in each of the first three years is 6, 8, and 2, respectively.
 - (iii) Of 20 hires, the number who leave the program for other reasons in each of the first three years is 2, 2, and 4, respectively.
 - (iv) You use the uniform distribution of decrements assumption in each year in the multiple decrement table.

Calculate the expected number who fail to make adequate progress in the third year.

- (A) 4
- (B) 8
- (C) 12
- (D) 14
- (E) 17