

290. For a 10-year term life insurance (60), you are given:

- (i) Mortality follows the Illustrative Life Table
- (ii) Annual lapse rate is 0.05
- (iii) The expected profit at the end of each year given that the insurance is in force at the beginning of the year:

Time in years	Profit
0	-700
1	180
2	130
3	130
4	135
5	135
6	140
7	140
8	140
9	135
10	130

- (iv) Profits are discounted at an annual effective rate of 0.10.

Calculate the expected present value of future profits for a policy that is still in force immediately after the 7th year end.

- (A) 285
- (B) 300
- (C) 315
- (D) 330
- (E) 345