

**293.** For a fully discrete 3-year term life insurance policy on  $(60)$  you are given:

- (i) The death benefit is 100,000.
- (ii) Mortality follows the Illustrative Life Table.
- (iii) The rate of interest is based on the yield curve at  $t = 0$ .

You are also given the following information about zero coupon bonds based on the yield curve at  $t = 0$ :

Years to Maturity	Price of 100 Bond
1	97.00
2	92.00
3	87.00

Calculate the benefit premium.

- (A) 1410
- (B) 1432
- (C) 1455
- (D) 1478
- (E) 1500