

223. You are given 3 mortality assumptions:

- (i) Illustrative Life Table (ILT),
- (ii) Constant force model (CF), where $S_0(t) = e^{-\mu t}$, $t \geq 0$
- (iii) DeMoivre model (DM), where $S_0(t) = 1 - \frac{t}{\omega}$, $0 \leq t \leq \omega$, and $\omega \geq 72$.

For the constant force and DeMoivre models, ${}_2p_{70}$ is the same as for the Illustrative Life Table.

Rank $e_{70:\overline{2}|}$ for these 3 models.

- (A) ILT < CF < DM
- (B) ILT < DM < CF
- (C) CF < DM < ILT
- (D) DM < CF < ILT
- (E) DM < ILT < CF