

Examiner's Report
Mid Term Test-20.02.08
MAS224: Actuarial Mathematics
Queen Mary, University of London

Less than 1/2 of the students could score >50% and the lowest mark starts from 0%.

Q1: Most of the students have done very well. A few has used inappropriate interest rate for later calculations of the question.

Q2, Q3, Q4: Some students found it difficult to define appropriate annuity functions & to attach accumulation factor to carryout calculations.

Q5: A few students could use the appropriate form of force of mortality, $\mu(x)$, hence didn't reach with correct answer.

Students have done badly on approximation part of the question.

Not many student could find probability mass function for Curtate Lifetime at age x , $K(x)$ and most of them have missed ranges of value.

Q6: Some students found it difficult to define p_x , q_x/d_x to carryout calculations.

Though it has been asked clearly in the question to use linear interpolation of SURVIVAL FUNCTION to prove the relation, few students have tried differently

Recommendation

Proper use of supplied resources i.e. actuarial tables, formulae sheet would helpful for correct procedures in exam. Careful reading of questions and answer accordingly are also important to score high.

-syed a siddiq