Example

(a) An annuity of £500 per annum is to be paid annually in arrears from age 70 to a life currently age 60. Level annual premiums are payable throughout the deferred period.

Basis:

Mortality:

a(55) females sales Ultimatl

Interest:

8%p.a..

(i) Find the net premium.

(ii) What is the probability that the office makes a profit on the contract (ignoring expenses), given the premium assumptions.