

SS1011 Quiz 2 Marking Scheme

There are 4 questions of equal value (5 marks each), a total of 20 marks. -½ mark for “trivial errors”. ECF (Error Carried Forward) marking is to be applied. The quiz runs for 40 minutes. If in doubt, just ask George!

1. 1 mark per box (half mark per ordinate). No “trivial errors” allowed.
2. Top six boxes worth half a mark each. Second-from-bottom box is worth 1.5 marks (half mark per ordinate). Bottom box worth half a mark. No “trivial errors” allowed.
3. Two marks for writing down the correct pair of simultaneous equations (one mark each). Equation of line of best fit is worth 2 marks (one mark for each of the a and b values). Final box (approximation) is worth 1 mark. “Trivial errors” include getting the a and b values in the simultaneous equations swapped (a common error!) or getting the coefficients in the simultaneous equations mixed up (i.e. transposition errors), as well as minus errors and minor numerical errors (e.g. due to rounding off incorrectly).
4. One mark per question. “Trivial errors” include minus and transposition errors, minor numerical errors (e.g. due to rounding off) or having a mathematically equivalent but non-simplified answer (applies to parts (d) and (e))