Question	Marking Guidance	Mark	Comments
06.1	(before reaction) active site not complementary to/does not fit substrate;	2 max	Note. Points 1 and 2 may be made in one statement and 'complementary' introduced at any point.
	Shape of active site changes as substrate binds/as enzyme-		2. Ignore references to how shape change is caused
	substrate complex forms; 3. Stressing/distorting/bending bonds		Points 1&2 – active site mentioned once applies for
	(in substrate leading to reaction);		both points
06.2	Tangent to curve drawn;	2	1.Tangent drawn at about 10 minutes
	2. Value in range of 8 to 11;		2.1 mark only for correct answer
06.3	(Rate of) increase in concentration of maltose slows as substrate/starch is used up	2	1.Reject ref. to amylase being used up
	OR		
	High initial rate as plenty of starch/substrate/more E-S complexes;		
	2. No increase after 25 minutes/at		2. accept 'little'
	end/levels off because no substrate/starch left;		Ignore references to substrate a limiting factor
06.4	Make/use maltose solutions of known/different concentrations (and carry out quantitative Benedict's test on each);	3	
	(Use colorimeter to) measure colour/colorimeter value of each solution and plot calibration curve/graph described;		2.Axes must be correct if axes mentioned, concentration on x-axis and colorimeter reading on y-axis
	Find concentration of sample from calibration curve;		