Question Number	Answer	Additional guidance	Mark
5(a)	An answer that includes three of the following points: • deforestation / loss of habitat (1) • increased grazing (of forest) (1) • reduced number of new trees (1) • disease (that has killed the trees) (1) • reduced genetic diversity (1)	ACCEPT loss of trees due to natural events e.g. landslides / tsunamis / fire / poor soil quality ACCEPT new grazing species e.g. reduced {pollination / reproduction / pollinators} / tree doesn't flower often / reduced enzyme activity due to {changing temperatures / drought} / few trees producing seeds / {air pollution / global warming / climate change} e.g. fungal disease ACCEPT reproduce asexually so no variation	**(3)**

Question Number	Answer	Additional guidance	Mark
5(b)(i)	• correct line measurement and conversion (1) • correct calculation (1) • correct answer in standard form (1)	ACCEPT ±1mm Example of calculation: 38 000μm (38 000 ÷ 200) =190 (μm) 1.9×10^2 (μm) ecf applies Correct answer with no working shown scores full marks	**(3)**

Question Number	Answer	Additional guidance	Mark
5(b)(ii)	An answer that includes the following points: • {transport/ translocation} of {sucrose / amino acids} (1) • from {source /site of production / leaves} to {sink / site of use / site of storage} (1)	ACCEPT products of photosynthesis / lipids / hormones / mRNA / sugars ignore glucose	**(2)**

Question Number	Answer	Mark
5(b)(iii)	The only correct answer is C two *A is not correct because all the statements are correct apart from, they do not contain cytoplasm* *B is not correct because all the statements are correct apart from, they do not contain cytoplasm* *D is not correct because they do not contain cytoplasm*	**(1)**