

2010 HIGHER SCHOOL CERTIFICATE EXAMINATION  
Biology

Section I – Part B (continued)

Question 23 (7 marks)

- (a) Use an example to explain why hybridisation within a species is carried out. 2

hybridisation within a species is carried out to environmental change. eg. Strawberries being able to survive freezing temperatures in winter.

- (b) Use an example of a named transgenic species to discuss the social and environmental impact of this technology. 5

an example would be strawberries by hybridisation with strawberries and fish cells. it produces longer lasting supplies of strawberries. the fish cells allow the strawberries to cope with freezing temperatures so no damage is caused to crops over the winter months.