

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 may be used to prolong the
existence of a species in it's natural environment

~~by~~

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

One transgenic species is the pig. It was
used as a transgenic species to learn about
fighting off infection and disease, for human
use. The impact of this technology is that
some believe that it is unethical and morally
incorrect. Scientists argue that it is for the
benefit of humans and that the animals
are basically unharmed and do not go
through any pain during the process.