

(iii) A zoo tested its captive-bred giant tortoise and determined that it was a *C. hoodensis* tortoise.

Explain how the zoo determined that its giant tortoise was a *C. hoodensis* tortoise.

(3)

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(d) Scientists thought that a recessive allele was changing in frequency in the tortoise population.

Explain how the change in frequency of this allele could be determined.

(2)

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(Total for Question 9 = 13 marks)

TOTAL FOR PAPER = 80 MARKS