

8(a)	<i>any four from :</i> (named) protected reserves ; limit palm oil plantations / <i>ref. to</i> sustainable palm oil production ; - restoring lost habitat / reforestation / reduce deforestation ; - captive breeding programs ; - release into wild ; - ban, hunting / trade; - raise awareness / education ; <i>ref. to</i> research ;
8(b)	- ecosystem / habitat (diversity) ; - species (diversity / richness) ; - genetic (diversity) ;
8(c)(i)	0.2034 ; 0.3072 ; <i>allow ecf for mp2 if both incorrect</i> <i>allow ecf for mp2 if figure correct in both but not to 4dp</i>
8(c)(ii)	0.6928 / 0.693 ; <i>allow ecf for 1 minus their answer to 8ci</i>
8(c)(iii)	(D) close(r) to 1 / higher than 0.5 ; (so) high(er) (bio)diversity ;

5(a)(i)	<u>directional</u> (selection) ;
5(a)(ii)	curve with starting point (on x-axis), peak and end point (on x-axis) all to the right of the original positions ;
5(b)	<i>any four from:</i> - disruptive / diversifying (selection) ; - selection pressure is, seed / food (availability / size) ; <u>competition</u> for, food / seeds ; (birds with) intermediate bills cannot eat small and large seeds ; - extreme / small and large, phenotypes / bills, more likely to survive / have selective advantage / selected for ; - correct description of change in allele frequency ;
5(c)(i)	$r / 0.930$ / calculated value, is greater than critical value for $n = 5$; at (probability level) 0.05 ;
5(c)(ii)	<i>any four from:</i> <i>invasive alien species / they, may:</i> - change / disrupt, food, chains / webs ; - compete for food with / feed on same food as / occupy same niche as, <u>native</u>, species / organisms ; - prey on / graze / eat, <u>native</u>, species / organisms ; - introduce (new), disease / parasites ; - change / damage, the habitat ; - be toxic / threaten human health ; - damage, tourism / agriculture ;
5(c)(iii)	<i>any two from:</i> - climate change ; - hunting by humans ; - degradation / loss, of habitat ; (named) pollution ; - disease ; (named) natural disasters ;