

8(a)	any four from : 1 (named) protected reserves ; 2 limit palm oil plantations / <i>ref. to</i> sustainable palm oil production ; 3 restoring lost habitat / reforestation / reduce deforestation ; 4 captive breeding programs ; 5 release into wild ; 6 ban, hunting / trade; 7 raise awareness / education ; 8 <i>ref. to</i> research ;
8(b)	1 ecosystem / habitat (diversity) ; 2 species (diversity / richness) ; 3 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)	any four from: 1 disruptive / diversifying (selection) ; 2 selection pressure is, seed / food (availability / size) ; 3 <u>competition</u> for, food / seeds ; 4 (birds with) intermediate bills cannot eat small and large seeds ; 5 extreme / small and large, phenotypes / bills, more likely to survive / have selective advantage / selected for ; 6 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)	any four from: <i>invasive alien species / they, may:</i> 1 change / disrupt, food, chains / webs ; 2 compete for food with / feed on same food as / occupy same niche as, <u>native</u>, species / organisms ; 3 prey on / graze / eat, <u>native</u>, species / organisms ; 4 introduce (new), disease / parasites ; 5 change / damage, the habitat ; 6 be toxic / threaten human health ; 7 damage, tourism / agriculture ;
5(c)(iii)	any two from: 1 climate change ; 2 hunting by humans ; 3 degradation / loss, of habitat ; 4 (named) pollution ; 5 disease ; 6 (named) natural disasters ;