Question Number	Answer	Mark
1(a)	1. idea that individuals of a species can {interbreed / eq} ; 2. to produce fertile {offspring / eq} ; 3. the {hybrids / offspring} can flower and produce viable seeds / eq ;	**max (3)**

Question Number	Answer	Mark
1(b)(i)	1. {variety / eq} of alleles ; 2. in a gene pool / eq ;	**(2)**

Question Number	Answer	Mark
1(b)(ii)	1. different alleles in each of the two {populations / eq} ; 2. each {population / species} is adapted to live {in different environmental conditions / at different altitudes / eq} ; 3. there will have been different mutations in each population ; 4. reference to alleles from different {species /eq } will mix / hybrids receive alleles from both { species / eq} ;	**max (2)**

Question Number	Answer	Mark
***1(c) QW**	(QWC – Spelling of technical terms must be correct and the answer must be organised in a logical sequence) 1. reference to original population increasing in size and spreading into a wider diversity of {habitats / eq} ; 2. reference to mutations ; 3. leading to diversity in flowering times / eq ; 4. (and) other plant features / eq ; 5. reference to reproductive isolation ; 6. restriction in gene flow / eq ; 7. between extremes of population / eq ; 8. reference to different environmental factors in each region ; 9. each region has different selection pressures / eq ; 10. idea of plants adapted to a region ; 11. reference to survival and breeding ; 12. reference to change in allele frequencies (over time) ; 13. (leads to) differences between gene pools / eq ;	**max (6)**