

Answers	Marks	Examiner's tips
1 (a) limited genetic diversity in modern varieties/greater genetic diversity in old varieties/older varieties contain other (useful) alleles/genes; old varieties useful for future breeding programmes;	2	Use scientific terminology wherever you can. 'Genetic diversity' is the type of language expected at this level.
(b) (i) seeds lose viability/will not germinate/develop after long storage;	1	
(ii) preserve variety of alleles/different genotypes; maintain genetic variation; prevent inbreeding/reduces the chance of homozygosity;	2 max	