

Foundation Combined — only core Foundation content included.

**Q1. Define: (a) gene, (b) allele, (c) dominant, (d) recessive.**

[4 marks]

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**Q2. A pea plant has genotype Tt (tall). State the genotypes of the gametes it can produce.**

[2 marks]

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**Total: 6 marks**

**Q1 (4 marks)**

Define: (a) gene, (b) allele, (c) dominant, (d) recessive.

- (a) Section of DNA coding for a specific protein [1]
- (b) A version of a gene [1]
- (c) Expressed with one copy — masks recessive [1]
- (d) Only expressed with two copies [1]

**Q2 (2 marks)**

A pea plant has genotype  $Tt$  (tall). State the genotypes of the gametes it can produce.

- T and t [2] — award 1 if only one given