

				1-11-				p de la company	
2.	(a)	Pun	nett;		R	R	(D)		
			RR for parent; parent Rr; correct offspring;	R	RR	RR			i
		•		r	Rr	Rr		[4]	l°
	(b)	(i)	3:1				E	[1]	
		(ii)	discontinuous					[1]	
		(iii)	blood groups/tongue rolling	g/attached	l ear lobe	s/eye col	our/gender	[1]	7

3	3.	(a)	(i)	Genetically identical;	[1]	
			(ii)	They may have been grown in different (environmental) factors/ described	[1]	
			(iii)	Mitosis;	[1]	
		(b)	(i)	Genetic variation/different genes or alleles or mixture of genotypes;	[1]	
			(ii)	Continuous;	[1]	5

4.	(a) Any two from Section of/a short length; of a chromosome/DNA;		AVAILABLE MARKS
	codes for a protein; inherited/from your parents like eye colour;	[2]	
	(b) Length of nails;	[1]	
	(c) Height;	[1]	1
	(d) Continuous;	[1]	5

5.	(a)	(i)	4 – 20	[1]	AVAII ADI E
		(ii)	12 + 10 + 8 + 6 + 4 + 3; = 43	[2]	AVAILABLE MARKS
		(iii)	more aware/more touch receptors/more sensitive; example: navigation/helps find shelter/find mates/avoid danger/avoid injury/escape predictors/find food;	[2]	
	(b)	(i)	RR; Rr	[2]	
		(ii)	punnett; R and R (as gametes) or R; r and r (as gametes) or r; correct cross		
		/iii\	red eyes	[4]	
		(111)	red eyes	[1]	12
6.	(a)	(i)	transpiration	[1]	
		(ii)	arrow from a cell to the air space (must start in a cell or edge of ce through the stoma only (only with arrow going out);	ll); [2]	
	(b)		surface area/no stomata; water loss/less evaporation	[0]	
	(c)		1pm-5pm/12.30-4.30/12-4	[2]	
	(-)			[1]	
			more stomata open, greater rate of water loss (or converse)	[1]	
			line starting at 8 squares up; increasing until midday (at least) and then starts to decrease at sor stage;	ne [2]	
			saltwort better adapted /have advantageous gene saltwort plants (survive) to reproduce pass on genes /pass on allele/favourable characteristics allow converse answers	[3]	12
7.	В	rown	rabbits are better camouflaged/white rabbits are more easily seen;		
	M M	ore b	prown rabbits survive/white rabbits are eaten; prown rabbits reproduce/breed; rabbits pass on their genes/alleles;	[4]	
. (k	o) Ar • •	Me Di	ore snow/so that it is paler/return to grassland/paler crop sease in foxes/decrease in rabbit predators/increase of predators the fox		
	•		sease in brown rabbits	[2]	6
8.	Ar	ha de (N mo to	ree from: Ive advantageous characteristic/allele/beneficial to be a carrier/or scribed people who are carriers/don't get malaria if bitten; OT natural protection as advantageous mark – already in question; ore sickle cell carriers survive reproduce/reproductive age; ss on allele/gene/carrier gene/characteristic/trait	[3]	