

Practice test mark scheme Foundation

Q	Expected answers	Marks	Additional guidance
1	a light in first column (1); eye in second column (1); muscle in third column (1)	3	either order
	b spinal cord, brain	2	
		5	
2	a ● B The rabbit with immunity survives while other rabbits die.(1)	2	
	● D The offspring survive while the offspring of other rabbits die. (1)		
	b i natural selection	1	
	ii evolution	1	
		4	
3	a i A (1); C(1); F(1)	2	any two
	ii B(1); D(1); E(1)	2	any two
	b If a man develops large muscles by exercising, his offspring will not inherit those muscles.	1	
		5	
4	a (D) A E B C A before E (1); E before B(1); B before C(1)	3	One mark for identifying the factor, one for explaining its effect Needs 'completely gone' idea for mark
	b ● small mammals are being killed by poisoning (1); this poison may poison leopards (1)	2	
	● snow leopard bones are used in traditional Oriental medicine (1); they are being hunted for their bones/bones are valuable (1)	1	
c ● there will be no snow leopards left alive/they will all die (1)			
		6	
Total		20	

Practice test mark scheme Higher

Q	Expected answers				Marks	Additional guidance	
		nso	hso	both			
1		✓			3	5 correct = (3)	
	electrical	✓				4 correct = (2)	
	chemicals in the blood		✓			2 or 3 correct = (1)	
	const. int. environment			✓			
	long-lived responses		✓				
	fast responses	✓					
					3		
2	a	<ul style="list-style-type: none"> ● B – The rabbits without immunity die.(1) ● D – These offspring survive/ do not get myxomatosis. (1) 			2		
	b	i mutation			1		
	b	ii gametes/sex cells			1		
	c	i natural selection			1		
	c	ii evolution			1		
					6		
3	a	i A, C, F			1	all three correct	
	a	ii B, D, E			1	all three correct	
	b	i if a man develops large muscles by exercising, his offspring will not inherit those muscles			1		
	b	ii <ul style="list-style-type: none"> ● Darwin’s theory contradicted the religious convictions of many scientists ● the new ideas were different and strange ● the old theories had always worked well ● there was not enough evidence for the new ideas 			2	Any two points	
					5		
4	a	(D) A E B C A before E (1); E before B(1); B before C(1)			3		
	b	<ul style="list-style-type: none"> ● small mammals in the area are being killed by poisoning ● this poison may poison leopards ● reduce the food supply for leopards ● snow leopard bones are used in traditional Oriental medicine 			2	any two	
	c	<ul style="list-style-type: none"> ● People choose not to wear animal fur on ethical grounds / ● the small number of snow leopards left in the wild makes catching them difficult 			1	either	
					6		
Total					20		