

Practice test mark scheme Foundation

Q		Expected answers	Marks	Additional guidance		
1	a	axon	1			
			1			
2	a i	D	1	accept C (from diagram)		
	a ii	B	1			
	b	spinal cord	1			
	c	It is a conditioned reflex.	1			
			4			
3		hearing joined to ears sight joined to eyes taste joined to tongue touch joined to skin	3	4 correct = 3 marks 3 correct = 2 2 correct = 1		
			3			
4	a	brain spinal cord	1	any order		
			1			
			2			
5	a	stimulus response effectors receptors	3	4 correct = 3 marks 2 or 3 correct = 2 1 correct = 1		
			b		(simple) reflex	1
						4
	6	a	<ul style="list-style-type: none"> • suppress hunger • mood change 		2	2
b				gap between neurons/joins neurons/where neurons meet	1	
		1				
		c	<ul style="list-style-type: none"> • increases serotonin levels/concentration in brain • allows impulses to travel across some synapses 		2	
6						

TOTAL 20

Practice test mark scheme Higher

Q		Expected answers	Marks	Additional guidance
1	a	stimulus response effectors receptors	3	4 correct = 3 marks 2 or 3 correct = 2 1 correct = 1
	b	simple reflex	1	
			4	
2	a	cerebral cortex	1	
	b i	Isolated children have not been in language contact with others.	1	
		If found after puberty, feral children cannot learn language.	1	
		Isolated children have not learned language.	1	
b ii	Unethical / cruel / lack of available feral children to study / cannot control conditions for feral children	1		
			5	
3		• squirrel recognises partial success	1	Any 3.
		• each partial success means pathways up to that point are reinforced	1	
		• able to build on that to make further progress	1	
		• gradually neural pathway are established for the whole skill	1	
			3	
4		• secondary stimulus introduced	1	Any 2. May give example. e.g. Pavlov
		• secondary and primary stimulus associated	1	
		• responds to secondary stimulus as if it were primary stimulus	1	
			2	
5	a	• increases serotonin levels/concentration in brain	3	any 3
		• MDMA blocks serotonin uptake		
	b	• extra stimulation of some neurons/pathways	3	any 3
		• altered pattern of stimulation alters mood		
			6	

TOTAL 20