									11						
考	試	科	目を	見が望	は得り	条所別	157	2片至	寒晚	考試時間	2月1	8日(ブー	第117	節	
一、選擇題:(2% x 10 = 20 %)															
							zical psy	chologis	t is to stud	ly the m	echanisn	า			
 The main interest for physiological psychologist is to study the of behavior. 															
			(a) ren		(b) cardio	vascular	(c)	respirato	ory (d	l) brain					
			(8) (6)	ai (b) caraio	vasculai	(0)			,					
2. forebrain : hindbrain = :															
(a) thalamus : cerebellum (b) basal ganglia : pons (c) hypoth											us : pons				
			(d) all above (e) none of above												
			W		(0)										
			3. When a drug becomes more and more effective in the chronic use, which of												
									omenon?						
				hdrawal		ensitizati				(d) toleran	ce				
			(4)												
	4. Which of the following neurotransmitters is released in the n										ıscular				
				ction?											
			-	otonin	(b) GA	BA	(c) acet	ylcholin	e (d) n c	repinephrin	e				
			, ,												
			5. The	neuroch	emical co	ndition (of	is mo	st likely as:	sociated to t	he				
				izophren											
			(a) too	much n	orepinep	hrine	(1	o) short	of <mark>norepin</mark>	ephrine					
			(c) too	much d	opamine			d) short	of dopami	ine					
			6. The	melator	in would	be	dur	ing the s	leep as co	mpared to t	he waking	3			
			stat	:e?.											
			(a) inc	reased	(b) decreas	sed	(c) no	change						
			7. Whi	ich of the	e followin	igs could	be the	biologica	al function						
			(a) en	ergy rese	ervation	(b) bo	ody rest	oration	(c) pre	dator avoida	ance				
			(d) no	ne of ab	ove	(e) all	of abov	re							
	8. Which of the following nucleus being lesioned would impair the spatial														
			m	emory i	n the rat?										
			(a) str	iatum	(b)	amygdal	a (d	:) hippod	ampus	(d) neocor	tex				
				,,	the LA LINE	بلا	9 11 1								
1	褃		註		答於試題. 題請隨卷:			0							

國立政治大學 106學年度7夏生证招生考試試題

第2頁,共2頁

考試科目知覚与生理系所別(小理学系/复验考試時間2月18日(六)第四節

- 9. Which of the following emotional response in people is different between the modern society and the isolated/non-literate group?
- (a) happiness
- (b) fear
- (c) anger
- (d) disgust
- 10. When NMDA receptor activated by a large Ca++ influx, which of the following protein kinases would be activated?
- (a) CREB
- (b) CaMK II
- (c) PKC
- (d) all above

- 二、解釋名詞:(5% x 4= 20 %)
- 1. neurotransmitter vs. neuropeptide
- 2. stress hormones
- 3. delay-non-matching-to-the-sample task
- 4. self-administration of drug

三、問答題

- 1. 為何生理心理學研究或行為神經科學研究需要進行動物實驗?另外,試舉例任何一項動物行為模式(animal behavior model)及其相關研究的實驗證據。(10%)
- 2. 何謂視覺的盲點(blind spot)?用什麼方式可以觀察到盲點的存在?可利用盲點探討何種視覺現象? (10%)
- 3. 根據視皮質 V1 的結構與反應特性,對於視野當中的某個物體,在 V1 層次的視覺 表徵(representation)較接近於 specificity coding 或 distributed coding?為什麼? (10%)
- 4."紅花需要綠葉襯",從顏色知覺的角度,如何解釋紅花在綠葉的陪襯之下更為鮮紅? 又從視覺注意力的角度,在一堆綠葉當中的一朶紅花,為何較易吸引注意力? (10%)
- 5. 鏡像神經元(mirror neurons)有何基本反應特性?鏡像神經元對於個體的知覺能力具有什麼作用或幫助? (10%)
- 6.何謂 tonotopic map?在耳蝸(cochlea)所發現的 tonotopic map,為何是 Békésys' Place Theory of Hearing 的一個證據? (10%)

二、試題請隨卷繳交。

一、作答於試題上者,不予計分。