编號:	342	國立成	这功大學103學年度	度碩士班招生考試試題	共 ン頁,第1頁
系所組	別: 護理學:	系甲組			
考試科	目: 生理學				考試日期:0223,節次:3
※考生	<b>主請注意:本</b>	試題不可使用計	算機。 請於答案	系卷(卡)作答,於本試題紙_	上作答者,不予計分。
	一、選擇題:	(每題兩分,共二	十分)(答案請寫在	答案紙上)	
	1. The larges	t peripheral resistan	nce existing in the ci	irculatory bed is located at	
	(a) heart	(b) arterioles	(c) capillaties	(u) aona	· .
	2. Assuming	that blood flow is	Q, peripheral resista	nce is R, and pressure difference	e is P, then their
	relationship $\gamma$	will be (b) $P=O/R$	(c) $R=P*O$	(d) $O=P*R$	
	(a) Q 1/IC				
	3. Which of	the following is NC	)T the sign of cereb	ellar dysfunction?	
	(a) nystagmi	is (b) ataxia (c) tref	nor (d) coma		
	4 Which of	the following will t	produce metabolic a	lkalosis?	
(a) severe vomiting (b) severe diarrhea (c) thiazide overdose (d) morphine intoxication					ation
	(1) 50 1010 10				
	5. Which of the following hormones shown below can reduce plasma glucose level?				
	(a) glucagon	(b) cortisol (c) ins	ulin (d) epinephrine		
	6. Which of the following statements is NOT correct regarding the function of sodium-potassium				
	ATPase exis	ting in cell membra	ane?		
	(a) It require	e the consumption of	of AIP.	adjum chemical gradient	
	(b) It will pu	imp sodium out of	a down the cell inter	ior with no requirement of ATE	)
	(d) It will al	low the cell to be h	vperpolarized as the	e pump is stimulated.	
	(u) It will al		jperpetanized is the	r r	t.
	7. In a chemical synapse,				
(a) neurotransmitters can be taken up by the presynaptic terminal.					
	<ul><li>(b) neurotransmitter can cause ligand-gated ion channels to open.</li><li>(c) action potentials in the presynaptic terminal cause voltage-gated calcium channels to open</li></ul>				
	(d) all of the	e above.			
		,			
	<ul> <li>8. If aldosterone secretions increase</li> <li>(a) blood sodium levels decrease.</li> <li>(b) blood volume decreases</li> </ul>				
		results			
	(d) blood p	otassium levels dec	rease.		
	(a) 0100a p				
	9. The layer of the uterus that undergoes the greatest change during the menstrual cycle is the				
	(a) endome	trium (b) myom	etrium (c) broad	ligament (d) perimetrium.	
			(背面仍有)	題目,請繼續作答)	
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## 國立成功大學103學年度碩士班招生考試試題

共 ン 頁,第2頁

系所組別: 護理學系甲組 考試科目: 生理學

342

編號:

考試日期:0223,節次:3

※ 考生請注意:本試題不可使用計算機。 請於答案卷(卡)作答,於本試題紙上作答者,不予計分。

10. The hormone involved in milk production is

(a) oxytocin (b) prolactin (c) progesterone (d) estrogen

二、 簡答題 (每題十分)(請任選八題,共八十分)(答案請寫在答案紙上)

Please briefly describe (or illustrate) the terms or definitions of each question shown below. Please select eight out of ten questions.

- (1) glomerular filtration rate
- (2) acute respiratory acidosis
- (3) gastrin
- (4) substantia nigra
- (5) vascular function curve
- (6) thyroid hormone
- (7) luteinizing hormone
- (8) Broca's area
- (9) second messenger
- (10) cholinergic muscarinic receptor