私立臺北醫學院_九十_學年度第___學期期中考試命題紙

系	級	科	:	目	授	課	教師	考	战	Ę	期	學	號	椎	
F.		-	性物		木	多	良友		月	日第	·				
* (1)請 2)每	注意本試題 張試題卷7	夏共	張 c (學號	· 如 (姓	頁數7 名)。	足及空白	直頁	缺印・服	當場請求	火補齊	・否則缺少部份概以	以零分計。	5
								Final Exa Student I		January, d Name:	2002	Instr	uctor: Liang-Yo Yan Date:	g	777

Date:

There are 27 questions in this part and each question is worth 3 points. Please choose ONLY ONE BEST answer for each question. Good luck and have a great winter break.

Please write down your key to each corresponding question in the following table.

1.	2.	3.	4.	5.	***********
6.	<u> </u>	8.	9.	10.	
11.	12.	13,	14.	15.	
16.	17.	18.	19.	20.	
21.	22.	23.	24.	25.	
26.	27.				

- 1. A shift in the membrane potential toward the positive direction and exceeding the threshold causes a(n)
- A. resting potential B. equilibrium potential C. action potential D. ion current
- E. electrolyte bias
- 2. Which of the following type of joint is not properly matched with its description?
- A. the sutures that join the bones of the skull: immovable joints
- B. cartilaginous joints of the spine: slightly movable joints
- C. efficient shock absorbers: slightly movable joints
- D. synovial joints: freely movable joints
- E. knee and hip joints: slightly movable joints
- 3. Organic phosphates, nerve gases, and insecticides produce continuous neuromuscular contraction leading up to death by
- A. binding of acetylcholine to receptors
- B. inhibiting the action of acetylcholinesterase
- C. decreasing the distance in the neuromuscular junction
- D. propagating a continuous action potential
- E. all of the above
- 4. Which of the following characteristics are true for an action potential?
- A. a threshold potential must be exceeded
- B. each stimulus produces a full potential or none at all
- C. during the refractory period it is less likely that another action potential can be produced
- D. a and b
- E. a, b, and c

私立臺北醫學院_九十學年度第___學期期中考試命題紙

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系	級	科	B	授课教	師	考	战	E	期	學	號	姓
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(2) 🛱	張試題:	卷務必填寫(學號)、(姓名)	0			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- WHI	7 IM /7		公宅 の日。
			General Biology	•			xam Ja		902	Instructo	r: Liang-Yo Yan	g
			Dentistry	1 11			ID and				_ Date:	
			5. The chemical r							_		
			A. noradrenaline	b. aurena	iine	C. acety	vicnoline	D. sarco	ocholine	E. sarco	adrenaline	
		•	6. The region of t	he brain tha	t intec	rates vi	sceral act	ivities bo	dv tam	nerature on	d baambaat is the	
			A. medulla oblon									;
				D. 00			i) potitului	nus D.	uiaiaiiiu	is L. Hone	of the above	
			·									
			7. The use-depend	dent decreas	se in th	ne abilit	y of a mu	scle to ge	nerate f	orce is calle	ed	
			A. oxygen debt					_				
				_						71 1		*
			8. The process in	which impu	lses ju	ımp froi	m node to	node is o	alled			
			A. going through	channels 1	B. inte	rrupted	signals	C. incom	plete tra	ansfer D.	repolarization	
			E. saltatory condu	ection								
								•				
			9. What is the asse	ociation bet	ween t	tropomy	osin and	troponin :	molecul	es in restin	g striated muscle	
			fibers?	-1.1.4			.•					
			A. tropomyosin helds			-	-					
			B. troponin holdsC. tropomyosin ho			-						
			D. troponin holds	_		_						
			E. there is no know			in place	on the ac	LIII				
			2. diolo is no kito	WII 4550CI4ti	OII							
			10. The effect of n	nyelin and r	odes e	of Ranv	ier is to m	nake nerv	e impul	ses travel		
			A. away from as v								at once	
			D. laterally from a						•			
			11. Biogenic amin									
			A. epinephrine, no	orepinephrin	e B.	dopam	ine, serote	onin C.	glycine	and GABA	D. a, b, and c	
			E. a and b									
			12 The limbia	tam has all	~£ 41	£_11_ · '	6					
			12. The limbic sys A. it contains hipp				ng reature	es except				
			B. it resides deep v	-	•	_						
			C. it is responsible									
			D. it is believed to				ation and	recall of	mamori	A 9		
				miborm	*** TTT f1	TOTAL	meron and	rocall Of	memon	CO CO		

E. it is part of the hypothalamus

私立臺北醫學院 九十 學年度第 _ _ 學期期中考試 命 題紙

Dentistry Student ID and Name:	Liang-Yo Yang Date: Lowing ion than	g —
※①請注意本試題共張。如發現頁數不足及空白頁或缺印,應當場請求補齊,否則②每張試題卷務必填寫(學號)、(姓名)。General BiologyFinal Exam January, 2002Instructor: Student ID and Name:	Liang-Yo Yang Date: Lowing ion than	g —
②每張試題卷務必填寫(學號)、(姓名)。 General Biology Final Exam January, 2002 Instructor: Dentistry Student ID and Name:	Liang-Yo Yang Date: Lowing ion than	g —
General Biology Final Exam January, 2002 Instructor: Dentistry Student ID and Name:	Date:lowing ion than	_
Dentistry Student ID and Name:	Date:lowing ion than	_
A A Production of the Control of the		
13. The membrane of a resting neuron is much more permeable to which of the following	ension that may	
any other ion?	ension that may	
A. Cl B. Ca++ C. Na+ D. K+ E. H+	ension that may	
14. Muscles contract through addition of the contractions of the fibers, producing to	Chiston ulai illay	ı
result in shortening of the muscle. This is called	•	
A. isometric contraction B. isotonic contraction C. tetanus D. twitch E. fatig	gue	
15. An example of a muscle that contracts as a unit because of electrical coupling	g is	
A. cardiac muscle B. the limb muscles C. the muscles of the walls of the gut		
D. all of the above E. none of the above		
16. Correlation, association, and learning occur in the		
A. cerebellum B. corpus striatum C. thalamus D. hippocampus E. none of the	he above	
17. At the vertebrate neuromuscular junction, acetylcholine causes which of the f	following	
reactions?		
A. muscle fiber membrane is depolarized		
B. action potentials are generated in the muscle fiber		•
C. stimulation of the entry of Ca+2 and muscle fiber contraction		
D. a and b only		
E. a, b, and c in a sequence		
18. When nerve cells are not producing electrical responses there is still a voltage d	lifference acros	s
their membranes, termed the		
A. channelgate bias B. electrolyte voltage C. equilibrium potential		
D. resting potential E. ion current		
19. Drug addiction is the result of which of the following sequential events?		
A. Drug molecule prevents reabsorption and causes overstimulation of post-synapti	ic membrane	
B. CNS responds to increased firing by decreasing the number of receptors		
C. the synapse is less sensitive when the drug is removed, normal functioning can continuing to take the drug	only ensue by	
D. a and c		

E. a, b, and c

私立臺北醫學院_九十學年度第___學期期中考試命題紙

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系級	科		目	授課	数 師	考	試	Ħ	期	學	號	娃
-						年_	月	日第				
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		General I Dentistry				Final E	xam J t ID and	anuary,	2002	Instru	ctor: Liang-Yo Yai	ng
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											_, respectively.	111
		A. ACh an									,	
		D. ACh an										
			bril cont	ractile s	ubunit	s, the sarc	omeres,	are boun	ded on ea	ich end b	y a disc of protein	
		called the										
		A. Z frame	B. Z	surface	C. I	zone D.	Z line	E. none	of the abo	ove		
		22 Tho m	veeles th		- 41		L f 1		CC			
		tension ver						portion o	I last-twi	tch fibers	and reach maximu	im .
						-		re Ditu	meIV fib	arc E to	pe V fibers	
				or type i	1 110011	. C. typt	111 1100	13 D. ty	perv no	215 L. ()	pe v noers	
		23. During	a contra	action ir	the sr	nooth mu	scle, the	calcium	ions in th	e sarcopi	asmic reticulum bir	nd
		to the prote								•		
		A. troponir	B. tre	opomyo	sin 'C	. myosin	D. calı	modulin	E. none	of the ab	oove	
		24 Naumon	.c. c		h-41			4	•			
											Is which include cytes D.a and b	
		E. b and c	, nouv	or itali	, V 1 (1)	D. Heurog	11a C. 1	SCIIWAIIII	cens, on	godenaro	cytes D.a and b	
	-	25. The are	a of the	cerebra	l hemi:	sphere im	portant f	or the int	terpretatio	on and the	e formulation of	•
		thoughts in							-			
		A. Broca's	area B	the po	ns C	Wernick	e's area	D. the r	nedulla o	blongata	E.none of the	
		above			•							
		oe water	n Gabra Ca	. 11								
		26. Which of A. contains					t the smo	ooth mus	cle?			
		B. contains	-			nents						
		C. contains				m						
		D. contains	_				keletal r	nuscle				
		E. more tha										
			,									
		27. Which o	of the fo	llowing	muscl	e contract	ion is op	erated by	y latch me	echanism	?	
		A. smooth r	nuscle	B. skel	letal m	uscle C.	cardic n	nuscle				
		D. a and c	E. a, b,	and c.								

私立臺北醫學院 九十 學年度第 — 學期期中考試 命 題紙

系	級科	· · · · · · · · · · · · · · · · · · ·		月	授課	教師	考	战	E)	期	學	娩	烛	名
			***				年		日第	節		art.	Xx	
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				popula	tion size	s of bi	rd in natu	ire (1) p	arasite (2	2) huma	ın (3) pre	dator-		
				prey re	lationsh	ips (4) mortal	ity	• • • • • • • • • • • • • • • • • • • •	••••••	•••••	()		
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私立臺北醫學院_九十學年度第一_學期期中考試命題紙

系	級	科		. B	授課	教師	考	試	E	期	學	號	娃	名
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				effecti	vely clo	sed to	cattle gra	zing. Th	e situation	was ch	anged			
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私立臺北醫學院____學年度第____學期期中考試命題紙

系	級	科		E	授	裸:	教師	考	試	目	期	學	號	姓	
								年	月	日第_	節			The second secon	
※ (①請 ② 每	注意本記 張試題名	式題共 終務必填算	張 寫(學號	。如 !)、	發現 (姓4	頁數: 3)。	木足及空E	白頁或領	抉印・應!	當場請求	· 求補齊,否則缺	少部份概算	以零分計。)
	dramatically with the introduction of the (1) moth cactoblastis (2)														
				bat (3) b	ird (4) m	ore cattle					()		
			29.	Wolf	preda	ation	select	ively remo	ves calv	es and (1) old 1	moose (2) stron	g		
				femal	e mo	ose ((3) s	trong male	moose	(4) your	g female	e moose	- ()		
	30. Many organisms have coevolved to the point of dependence such														
				relatio	nshi	p is c	alled	(1) pred	lation (2) symbi	osis (3)) communities (4)		
				succe	ssion			****	*********			*******	()		