私立臺北醫學院_89_學年度第__/_學期期末考試(試)題紙

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系	返 ;	件	E	授课教師	考	找	目	期	學	Y	统	姓
北望	5-	生物學		是思情习	90 4	<u>」</u> 月	18 日第	節		THE ASSE	Buth	
<u>*</u>	請注	意本試題共_	<u>ど</u> 張	如發現頁數	木足及空	白頁或	缺印・脱	當場請求	 ໄ補齊	・否則は	少數分概	八器:
<u>(2)</u>	每强	試題卷務必填	爲(學號)、(姓名 <i>)</i> 。							7 11	TX
										*	, <i>,</i> , ,	K
		General B	iology	Final	Exam	F	all 2000	Instru	ctor: l	Dr. Liang-Y	o Yang	•
				cal Technology		8	Student II	D and Nai	me:			
		points and	each is w	ons for Part I and orthe 2 points. one! May you	The total	points a	re 119. P	ooints. The lease choo	ere are	e 10 question ILY ONE B	s for Part EST answ	II ⁄er.
		1. Homeos										
		(A) negati	ve feedba table env	ick control. ironmental cond	ditions.							
		(C) predic	table inte	rnal conditions.								
		(D) positiv (E) positiv		gative feedback ck control.	control.							
	•	2 What kis	nd of con	nective tissue h	as a liqui	d matrix	?					
		(A) adipos	e tissue	(B) cartilage (C) loose	connecti	ve tissue	(D) blood	d (E)	nerve tissue		
•		3. Which of (A) bone (E) loose a	(B) adip	owing is the moose tissue (C) ssue	st commo loose con	on type on nective t	of connect issue (D)	ive tissue	in the onnec	typical hum tive tissue	an body?	
		4. The mai	n function	n of muscle tiss contraction. (C	ue is	ution (D) eunnort	(E) cov	arina i			
		` '	, ,									
		5. Which of (A) adipose (E) bone	f the follower tissue	owing is the mo (B) loose conn	ective tis	on type o sue (C)	of connect fibrous co	ive tissue i onnective t	in the tissue	typical huma (D) loose a	an body? dipose tiss	sue
		(A) Its cel	ls contrac	owing distingui et. (B) Its cells ped. (E) It gen	are branc	ched. (C) It gener	ally canno	h and s	skeletal mus ontracted at	cle? will.	
		7. Structur	e in the li	ving world is o	rganized	at hierard	chical leve	els. Which	n of th	e following	choices lis	its
				m least inclusiv tissue, organ, o								
				organ, organ sy								
				tissue, organ sy tissue, organ, o								
				organ, organ sy						•		
				d functional uni) the dendrite.				body. (E)	the r	nerve.		
		9. The tong (A) taste f (E) manip	ood. (B)	all of the follow push food into d.	ving exce	pt ynx. (C)	shape fo	od into a l	oolus.	(D) secrete	saliva.	
				ested by which pase (C) lactas				otrypsin				

(A) the pharynx. (B) the pyloric sphincter. (C) reverse peristalsis. (D) a constriction at the base of the

11. Movement of food from the stomach into the esophagus is usually prevented by

esophagus. (E) peristalsis.

私立臺北醫學院_89 學年度第_/_學期期末考試(試)題紙

系	极	科	E	授	課	教員	印	考	找	E	期	學	161	號	姓	Z
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*		注意本試題共 張試題卷務必	遺寫(學號	· 如·)、	發 現 (姓	頁 名)	対 才	足及空	白頁或的	缺印・應*	當場請求	找補齊	否則缺少	翻り	以零分計。	

General Biology Final Exam Department: Medical Technology Fall 2000 Instructor: Dr. Liang-Yo Yang Student ID and Name:

- 12. Essential fatty acids are
- (A) the fatty acids that we can synthesize from simpler molecules.
- (B) those fatty acids that we are unable to synthesize and that must be included in our diet.
- (C) only required by several bird species.
- (D) required to synthesize most vitamins.
- (E) both A and D.
- 13. Most nutrient absorption occurs in which part of the digestive system?
- (A) pancreas (B) large intestine (C) liver (D) stomach (E) small intestine
- 14. The parietal cells of the stomach's gastric glands secrete
- (A) mucus. (B) lactic acid. (C) hydrochloric acid. (D) pepsinogen. (E) pepsin.
- 15. Which of the following nutrients does not begin undergoing digestion until it reaches the small intestine? (A) fat (B) protein (C) complex carbohydrate (D) polypeptide (E) starch
- 16. Oxygen is mostly transported through the body
- (A) dissolved in red blood cells. (B) bound to hemoglobin. (C) bound to carbon. (D) bound to dissolved iron. (E) dissolved in the blood.
- 17. When you are breathing gently, exhalation results mainly from
- (A) the relaxation of the chest muscles and diaphragm. (B) contraction of the diaphragm.
- (C) contraction of muscles in the lungs. (D) contraction of muscles in the chest.
- (E) low pressure in the lungs.
- 18. Gas exchange in animals always involves
- (A) cellular respiration. (B) active transport of gases. (C) diffusion. (D) breathing movements.
- (E) osmosis.
- 19. Air leaving human lungs during exhalation contains
- (A) mostly carbon dioxide and carbon monoxide. (B) no oxygen. (C) mostly carbon dioxide.
- (D) carbon dioxide and oxygen. (E) none of the above.
- 20. The chief advantage of exchanging gases in water is that
- (A) water can contain more oxygen than air.
- (B) no energy need be expended to keep the exchange surface wet.
- (C) the contact between the respiratory surface and the gas-containing medium is more intimate in water than in air.
- (D) carbon dioxide is easier to eliminate in water than in air.
- (E) less energy is required to ventilate gills than lungs.
- 21. When you hold your breath, which of the following blood gas changes leads initially to the urge to breathe again?
- (A) rising oxygen concentration (B) rising carbon dioxide concentration (C) falling oxygen concentration (D) rising carbon dioxide concentration and falling oxygen concentration (E) falling carbon dioxide concentration
- 22. Most CO2 is transported to the lungs (A) as carbonic anhydrase. (B) dissolved in the plasma.
- (C) as carbonic acid. (D) attached to hemoglobin. (E) as carboxyl.
- 23. The largest blood vessel in the human body is the (A) maximus artery. (B) aorta. (C) vena cava.
- (D) superior vena cava. (E) pulmonary artery.

私立臺北醫學院_89_學年度第__/_學期期末考試(試)題紙

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			General l Departme	Biology ent: Med	ical Tec		l Exam Sy		fall 2000 Student ID		me:	ang-Yo Yang	
			24 Durin	a which n	shace of	the hee	urtheat doe	e the hear	rt fill with 1	nlood?			
			(A) restin	g which p	(B) dias	stole (C) systole	(D) atri	al phase (E) interp	hase		
			26. Which	of the fo	ollowing	neuro	ransmittei	rs is assoc	iated with endorphir	sleep, mens (E) se	ood, attentio erotonin	n, and learning?	?
			•	•	•							nd avons (C)	ooil
			bodies. (I						(A) uchui	ites. (D)	delidines ai	nd axons. (C)	cen
			28. In a cl	nemical s	ynapse,	what is	the name	of the ga	p between	the trans	mitting and r	eceiving neuro	ns?
			(A) gap r	nyelin (E	3) synap	otic noc	le (C) sy	naptic cle	ft (D) syn	aptic kno	ob (E) gap j	unction	
			29. Action	n potentia	ıls norma	ally tra	vel along	an axon ((A) from a	xons into	o dendrites.	(B) toward the the cell body.	cell
•			(E) away				onding on	tire need	5 01 1110 1 111		,,	·	
			30.	is/are	respons	sible fo	r increase	d speed o	f impulse c	onductio	on along an a	xon.	
			(A) Neur	otransmit	iters (B)	The i	nyelin she	eath (C)	A graded p	octential	(D) IPSPs	(E) EPSPs	
			31. The tv	vo major	division	s of the	e nervous	system ar	e the (A) (D) sensor	sympath v and m	etic and para otor. (E) AN	sympathetic. IS and SNS.	
			` ,	•							tal muscles?		
			(A) symp	athetic n	ervous s	ystem	(B) autor	nomic ner	vous systei	n (C) s	omatic nervo	us system	
			` ,	·			-		ervous syste	em			
			33. What (A) neuro						? (E) dendrit	e			
			• •	. ,	, ,			-					

私立臺北醫學院八十九學年度第一學期期末考試(試)題紙

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系 級	科	<u> </u>	授課教師			E	期	學	號	姓	名
技一	普通:	主物學	召思藩	QO 4	月	18日第	6節	1	W .		
* (1)	注意本試	夏共 <u></u> 。	。如發現頁數	不足及空	白頁或師	決印・別	8當場請:	求補齊 /名	則缺吳部份概」	以零 分計	o
(2)賽	· 張試題卷	务必填寫(學號	<u>限)、(姓名)。</u>	•					The state of		
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					ECOL	<u>OGY</u>			1' 1'	V XX	IA.
			A1 1						,	N 2	
		<i>F</i>	A place when	re an org	anısm li	ives is	called (生物棲住之	處稱爲) (a)		T LK
		7	oiodiversity.	(b) biome	e. (c) bid	osphere	e. (d) hat	oitat. (e) te	erritory.		7
		V	Which biom	e is a re	egion of	t dens	e, spiny	shrubs w	vith tough,		
		. w	evergreen lea	Ves / (何利)。shamas	虫生物區。 1 (1.)	乙王安	櫃被爲: 。	具有堅韌、	常綠樹葉的		
		13	密生灌木) (a avannas (d) i) chapai	rai (b)	conite	erous fo	rest (c) (lessert (d)		
					ora mitle	. 41		4 - 1' - '4			
			Of the follow atural popul	ations w	biek en	i ine p	otentiai	to limit gi	rowth of a		
		 #	灰群成長的因	idions, w 子由,fi	T種色 d	encity.	usity-uej denende	pendent? (在下列限制 。 !::		
		a	mount of foc	od (h) fire	u性网u	od (d) a	achenae	ant () (a)	a nimited		
		II	n a population	on the n	umber <i>i</i>	of indi	viduale	typnoon that an an			
		c	an sustain is	called (在一族出	50. Mai	Viduais 計容后治生統	illal all Cli 性的風久/l	TAM BRANCE		
		(2	a) biomass.	(b) b	iodivers	ritv (c) carr	ring can	四腹数件局 <i>)</i> acity (d)		
		Ċ	ompetitive e	xclusion.	(e) sust	ainable	e develor	oment	acity. (u)		
•		A	population	with an	equilibr	ial life	history	ノスロー・ (具有 eoui	librial life		
		hi	istory 的族群) (a) is co	ontrolled	l by de	nsity-ind	lependent	factors (受		
		de	ensity-indepe	endent fa	ctors 所	控制).	(b) lives	in an unp	redictable		
		er	nvironment (存活於不	可預期的	環境中	(c) pro	duces few	offspring		
		()	奎生較少的子 個	弋). (d) re	produce	es wher	n young	(性早熟). (e) tends to		
		gr	row exponen	tially (星	指數成長	ξ).			• •		
		A	"niche" is (a) a grou	ip of int	eractin	g indivi	duals of a	particular		
		sp	pecies (源自	於同一種	锺類、 身	具有交	互作用的	的一群生物	勿). (b) a		
		po	opulation's	role in	its c	commu	nity, o	r the a	ppropriate		
		cc	ombination o	f conditi	ons for a	a speci	es to thr	ive. (一族語	详在其群聚		
		中	所扮演的角色	;或最適	i合某種生	上物生長	的最佳環	環境因子組織	戏). (c) an		
		ar	ea that indiv	iduals de	fend and	d from	which of	ther memb	ers of the		
		sa ==	me species u	sually ex	cluded	(某生物	加體爲了	防禦或排戶	卡同種生物		
		(11)	界定出的地域	双範圍). ((d) an i	interact	tion bety	ween two	or more		
		sp	ecies in which	n one sp	ecies liv	es in c	or on ano	ther speci	es (兩種或		
		多	種生物共同生	活的交互	作用). (6	e) an ir	teraction	i where or	ne species		
		ea TL	ts another (某	k種生物排	食另一種	重生物的	的交互作用	月).			
		1n	ne gray tree	irog cai	n blend	into i	ts surrou	undings b	y turning		
		SIN:	ades of gray	y, Drown	i, or gr	een an	d is usi	ually hard	to spot,		
		HIL.	cause of (灰	网 姓形随 [,]	マ現肖景	:	體色,以	.致難以辨認	是因爲		
		1U1	們具有以下何 itation (d) is	惧能刀)(a) Bates	sian m	ımıcry. ((b) camou	tlage. (c)		
		1111	itation. (d) in	ក្សារាជ្យវាជ្	g. (e) Mi	illeriai	i mimicr	у.			
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