科目名稱:科技英文 【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】

#### 一作答注意事項-

考試時間:100分鐘

- 考試開始鈴響前不得翻閱試題,並不得書寫、劃記、作答。請先檢查答案卷(卡)之應考證號碼、桌角號碼、應試科目是否正確,如有不同立即請監試人員處理。
- 答案卷限用藍、黑色筆(含鉛筆)書寫、繪圖或標示,可攜帶橡皮擦、無色透明無文字墊板、尺規、修正液(帶)、手錶(未附計算器者)。每人每節限使用一份答案卷,請衡酌作答(不得另攜帶紙張,亦不得使用應考證空白處作為計算紙使用)。
- 答案卡請以2B鉛筆劃記,不可使用修正液(帶)塗改,未使用2B鉛 筆、劃記太輕或污損致光學閱讀機無法辨識答案者,後果由考生自負。
- 答案卷(卡)應保持清潔完整,不得折疊、破壞或塗改應考證號碼及條碼,亦不得書寫考生姓名、應考證號碼或與答案無關之任何文字或符號。
- 可否使用計算機請依試題資訊內標註為準,如「可以」使用,廠牌、功能不拘,唯不得攜帶具有通訊、記憶或收發等功能或其他有礙試場安等、考試公平之各類器材、物品(如鬧鈴、行動電話、電子字典等)入場。
- 試題及答案卷(卡)請務必繳回,未繳回者該科成績以零分計算。
- 試題採雙面列印,考生應注意試題頁數確實作答。
- 違規者依本校招生考試試場規則及違規處理辦法處理。

科目名稱:科技英文【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】題號:498001

※本科目依簡章規定「不可以」使用計算機(選擇題)	共6頁第1頁
每題 2.5 分,共 40 題,單選,答錯不倒扣。	
1. The main pharmacologic action of analgesics is to  (A) kill pain (B) stop bleeding (C) induce sleep (D) neutralize acid	
<ul> <li>2. What does the abbreviation "AED" stand for in the field</li> <li>(A) Automated Electrical Defibrillator</li> <li>(B) Automated External Defibrillator</li> <li>(C) Automated Extracorporeal Defibrillator</li> <li>(D) Automated Electronic Defibrillator</li> </ul>	d of emergency medicine?
3. "Hypoglycemia" is a condition when which of the followard (A) Glucose (B) Oxygen (C) Albumin (D) Water	owing substances is too low in blood?
4. "She is hypothermic." In other words, her body temper (A) normal (B) too high (C) too low (D) uncertain	ature is
5. "Insomnia" is a disorder of which physiological function (A) Eating (B) Sleep (C) Speech (D) Growth	on?
<ul> <li>6. When we are performing first aid, what does the abbre</li> <li>(A) Collaborative Peer Review</li> <li>(B) Cellular Power Reserve</li> <li>(C) Cardio-Pulmonary Resuscitation</li> <li>(D) Core Professional Requirements</li> </ul>	viation "CPR" stand for?
7. The main pharmacologic action of hypnotics is to  (A) kill pain  (B) stop bleeding  (C) induce sleep  (D) neutralize acid	
8. "Dehydration" is a status when the body experiences (A) Lack of sugar (B) Lack of protein (C) Lack of lipid	which of the following conditions?

(D) Lack of water

科目名稱:科技英文 【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】題號:498001

	※本彩	-目依簡章規定「不可以」使用計算機(選擇題)	共6頁第2頁
		oxemia" is a condition when which of the following substances is too low in b	lood?
	` /	Glucose	
1	(B)		
		Albumin	
	(D)	Water	
		e is taking anti-hypertensive medications." In other words, his blood pressure b	efore receiving any
		nent is	
	` '	normal	
		higher than normal	
	, ,	lower than normal	
	(D)	uncertain	
		at is the true inducer that binds to the lac repressor?	
		Lactose	
	` '	Allolactose	
	, ,	Glacose	
	(D)	Glucose	
	(A)	ucleic acid is lost or damaged, what kind of repairs is most likely to cause muta Nonhomologous end joining Base excision repair	ation?
		DNA repair with photolyase	
		Mismatch repair	
		•	
		ich one of the following enzymes is involved in DNA manipulation but do	es not alter geneti
		nation?	
		Recombinase	
	70,000,000,000	Integrase	
		Transposase	
	(D)	Topoisomerase	
		at kind of protein unwinds the double-stranded DNA ahead of the replication f	ork?
	. ,	Helicase	
		Single-stranded binding protein	
		Glanda	
	(D)	Clamp loading complex	
		ich one is not cytoskeleton protein?	
		Actin	
		Collagen	
		Keratin	2
	(D)	Microtubule	
	16. Wh	at is not the major role of nucleic acid in information transfer?	
		Transcription	
		Replication	
		Metabolism	

(D) Translation

科目名稱:科技英文 【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】題號:498001

(本科目依簡章規定「不可以」使用計算機(選擇題)	共6頁第3頁
Where does protein glycosylation take place?	
(D) Golgi apparatus	
Which one of the followings is carbohydrate?  (A) C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> (B) C <sub>4</sub> H <sub>8</sub> O <sub>6</sub> (C) C <sub>5</sub> H <sub>12</sub> O <sub>5</sub> (D) C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	
In DNA synthesis, the strand is synthesized in a  (A) template; discontinuous  (B) template; continuous  (C) lagging; discontinuous  (D) leading; discontinuous	_ fashion.
<ul> <li>Which of the following is the best description for primase?</li> <li>(A) a DNA-dependent DNA polymerase</li> <li>(B) an RNA-dependent DNA polymerase</li> <li>(C) an RNA-dependent RNA polymerase</li> <li>(D) a DNA-dependent RNA polymerase</li> </ul>	
. The novel algorithms in bioinformatics tool were intelligently designed, interpreted to find out the real world data.  (A) abruptly (B) utterly (C) imminently (D) cautiously	, expertly executed, and
in Integrated Circuit (IC) design have made all sectors of the Tail Engineering to medicine.  (A) Deteriorations (B) Innovations (C) Recessions (D) Territory	iwan economy, from civil
There are innumerable of Natural Language Generation that are generative AI and its advanced machine learning methods.  (A) employments (B) acceptance (C) adherence (D) deployments	directly attributed to both
	Where does protein glycosylation take place?  (A) Cytoplasm (B) Nucleus (C) Mitochondria (D) Golgi apparatus  Which one of the followings is carbohydrate? (A) C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> (B) C <sub>4</sub> H <sub>8</sub> O <sub>6</sub> (C) C <sub>5</sub> H <sub>12</sub> O <sub>5</sub> (D) C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> In DNA synthesis, the strand is synthesized in a (A) template; discontinuous (B) template; continuous (C) lagging; discontinuous (D) leading; discontinuous (D) leading; discontinuous  Which of the following is the best description for primase? (A) a DNA-dependent DNA polymerase (B) an RNA-dependent DNA polymerase (C) an RNA-dependent RNA polymerase (D) a DNA-dependent RNA polymerase (D) a DNA-dependent RNA polymerase (C) in minently (E) imminently (C) imminently (C) cautiously  in Integrated Circuit (IC) design have made all sectors of the Tailengineering to medicine. (A) Deteriorations (B) Innovations (C) Recessions (D) Territory  There are innumerable of Natural Language Generation that are generative AI and its advanced machine learning methods. (A) employments (B) acceptance (C) adherence

科目名稱:科技英文【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】題號:498001

	本科!	目依簡章規定「不可以」使用	計算機(選擇題)	共6頁第4頁
			Internet of Things (IoT) solutions b	
I	nterne	t of Medical Things (IoMT).		
	,	tiresome		
	46.000	a variety of		
	` '	tedious		
	(D)	monotony		
25.	Twitt	ter's search outcomes	_ concentrate on webpages, but it also indexes	publicly available
1		nuadaminantly.		
		predominantly occasionally		
		approximately		
	2007	critically		
	(D)	Citically		
26. i	mporta (A) (B) (C)	ant. partially conditionally automatically	ode platforms is on the rise, coding skill	is still quite
	(D)	manually	a .	
27.	(A) (B) (C)	software is very useful; likewise but being it is	powerful and efficient.	
28.	(A) (B) (C)	of people said that the first Indebreaks break had broken broke	ustrial Revolution out in 1760.	
29.	(A) (B) (C)	the past 5 years, the Arctic Osc exerts exerted has exerted was exerted	illation a huge influence across the	e world.
	(A)	r to enhance their working skills continues continuing	ns, it is another way that the company invests is and knowledges.	n their employees
			-	

科目名稱:科技英文【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】題號:498001

※本科目依簡章規定「不可以」使用計算機(選擇題)	共6頁第5頁
31. Carbon footprints are the result of calculations, including a breakdown of amount of greenhouse gases are released by an ac (A) emission (B) injection (C) duration (D) absorption	
32. In 2021, PAXLOVID has not been approved, but has been authorized and Drug Administration (FDA), for the treatment of mild-topediatric patients.  (A) prevention (B) fortune (C) emergency (D) encouragement	The second control of
33. Stem cell therapy is a therapeutic approach that the unique damaged cells and tissues in the human body.  (A) reduces (B) utilizes (C) eliminates (D) mitigates	e properties of stem cells to regenerate
34. T cells with modified receptors that tumor antigens cells) have proved effective in treating B cell malignancies.  (A)recognize (B) reject (C) run (D) review	(chimeric antigen receptor or CAR T
35. Scientists operate within a system designed for testing, vannounced in refereed scientific publications.  (A) broken (B) inconstant (C) occasional (D) continuous	where corrections and new findings are
36. The annual concentration of particulate matter (PM2.5) stead 25.10 μg/m³ in 2015 in Kaohsiung City.  (A) surged (B) enhanced (C) decreased (D) climbed	ily from 38.20 μg/m³ in 2010 to
37. The primary purpose of a Phase 1 study is to the safety of a to further clinical studies.  (A) ignore (B) evaluate (C) terminate (D) veto	a new drug candidate before it proceeds

科目名稱:科技英文【精準所碩士班、生藥所碩士班、生醫所碩士班、醫科所碩士班甲組、乙組、生醫科學與工程領域聯合碩士班】題號:498001

*	《本科目依簡章規定「不可以」使用計算機(選擇題)	共6頁第	6 頁
	Drug addiction is a disease that affects a person's brain and behavior and leads to the use of a legal or illegal drug.  (A)inability (B) success (C) gift (D) skill	an to	control
39.	Following a master's degree requires students to be more than during a bach (A) independent (B) toxic (C) rich (D) dependent	elor's degr	ee.
	Immunotherapy is a cancer treatment that uses your body's immune system to fir cells.  (A) grow (B) raise (C) destroy (D) build	d and	_ cancer