

高雄醫學大學 104 學年度學士後醫學系招生考試試題參考答案疑義釋疑公告

科目	題號	釋疑答覆	釋疑結果
英文	1	Explicable is the best answer for Accountable for.	原答案無誤
	11	<p>這個句子的上下文語意在說明雖然 Liberia 的 Ebola 疫情控制，但是在 Guinea and Sierra Leone 的邊界仍有破洞(porous)，造成感染的病人能很容易通過特別/非常無阻擋/有漏洞的邊界，造成極高的危險(句中所提 high risk)。</p> <p>“overpassing” 雖有穿越之意，但是在如果出現在這裏則毫無頭緒。“exceptionally overpassing borders”? (特別/非常穿越的邊界?) 語意不恰當语法也不通。</p> <p>而且“porous” 的反義為(A) 及(E)。</p>	原答案無誤
	20	NOVELTY 為 something that is new and different。resistance to change 為不想要改變 new 的東西，包括 different，故依上下文來看 novelty 在此為最佳答案。	原答案無誤
	28	Technically it is 'attributes to' but the source is also thinking of 'describes as' and has conflated the two structures. This kind of thing happens quite often. As examinees need to choose the 'best' answer, Choice of (A), (C) or (D) simply does not make sense semantically whereas and (B) is definitely grammatically incorrect.	原答案無誤
	32	他不會洩漏重要消息給他不認識的，和他 難以信任的人。”hardly”比“easily”好的原因是有”and”對等連接詞，語義對等。‘Easily’ 合乎语法，但是不如“hardly”語意貼切。Students are asked to choose the best answer, not possible answer.	原答案無誤
	36	答案是(B)was，正確寫法應該是 had been，因為句中提到 a massive wall 對 whale watchers 而言曾經是賞鯨的障礙，但該 massive wall 在 2010 年消退後，反而形成了 feeding humpback 的一個淺水道。由於 a massive wall 在 2010 年前曾是障礙，而 2010 年又已經是過去的時間，(且該句中沒有任何時間副詞表示兩者間的先後順序)，因此應該使用過去完成式表示。	原答案無誤
	37	Although it doesn't indicate how many, semantically, the word does not have any problem. “Multiples” simply means many times over.	原答案無誤
	38	The option C is a typo for ag., that means agriculture. So both A and C are faulty	Both A and C
	44	The sentence “Psychologists note that the type of stress we feel is also tied to the kind of personality we have – Type A or Type B” suggested that there must be a correlation between the two types of personality (A & B) and various stresses. Therefore, following the sentence is the discussion about the correlation among the two types of personality and the reactions showed by the people of both types when facing stress. That is to say, the type of personality LEADS TO (or SHOWS) the kinds of stress-dealing behaviors and reactions, NOT the type of personality INFLUENCES the kinds of stress-dealing behaviors and reactions. Therefore, the CORRECT answer should be “ (A) Personality and	原答案無誤

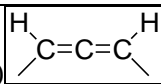
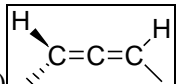
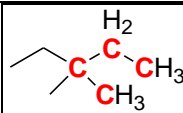
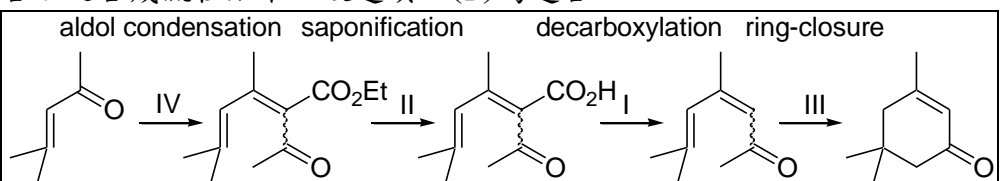
	Stress: Classification and Correlation”.	
47	<p>“Palliative care" is a term to describe hospice care. 安寧療法。It's the story from website, which promotes palliative/hospice care. Also consider the definition of "palliative" (http://www.thefreedictionary.com/palliative):</p>	原答案無誤
48	The palliative care maintains Millie’s quality of life; it does not change the environments. Hence B is the correct answer	原答案無誤
50	<p>A. afarensis remains by far the most conspicuous hominin in the fossil record of East Africa 3 to 4 million years ago, during a period known as the Middle Pliocene. But in the last two decades, scientists have named several others, including Australopithecus bahrelghazali from Chad (西非), and Kenyanthropus platyops from Kenya(東非). A. deyrimeda further swells the crowd.</p> <p>In the second paragraph, it indicates that “Represented by jawbones from three individuals, a newly described species named Australopithecus deyrimeda adds to the scatter of evidence that not one, but a range of hominin species populated the East African landscape before 3 million years ago.”</p> <p>另外，倒數第六段也提到：</p> <p>“There is now incontrovertible evidence to show that multiple hominins existed contemporaneously in eastern Africa during the Middle Pliocene,” the authors write.</p>	原答案無誤
55	In second paragraph, it indicates that “Represented by jawbones from three individuals, a newly described species named Australopithecus deyrimeda adds to the scatter of evidence that not one, but a range of hominin species populated the East African landscape before 3 million years ago.” Hominin is a creature that paleoanthropologists have agreed is human or a human ancestor. The best answer is ape-men.	原答案無誤

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普通生物學	5	Pheromone 主要是用來傳遞訊息給其他個體，因此作用標的非該動物本身。	維持原答案(B)
	7	雖然物質循環發生於生物跟環境之間，物質也會在不同生態系間移動。(E)選項 detrivores 應為 detritivores，typing error 應不致影響判讀。	維持原答案(D)
	10	meiosis I 之前是指跟染色體已經複製過的時期比較。請參考 Biology, Campbell, 10th ed., Pages 303, 313, 314。	維持原答案(C)
	12	Sympatric species 比 allopatric species 較容易出現 character displacement 的現象，是因為 sympatric species 在過去的演化歷史中經歷過競爭而使性狀位移，生態區位既已錯開，競爭就會逐漸下降消失。	維持原答案(A)
	14	NH ₃ 溶於水即是 NH ₄ ⁺	維持原答案(B)
	15	此題是考植物與根瘤菌互利共生關係中雙方主要的好處(major benefits)為何，B 為最佳答案。	維持原答案(B)
	17	題目中並未提及是否能 cross pollination，所以最佳答案為(D)。	維持原答案(D)
	20	Molecular clock 一般用 orthologous genes 下去測量，所以(A)才是最佳答案。	維持原答案(A)
	23	JAG 簡寫不影響答案判讀。	維持原答案(D)
	24	Increased variation in silk thickness，意思是說蜘蛛絲厚度的變異度增加了，也就是標準差變大的意思，所以答案(C) disruptive selection 是正確答案。(A) directional selection 是往一邊演化(變大或變小)，平均厚度會改變，variation 應該不會有太大的變化。	維持原答案(C)
	26	陸生植物都有 cuticle	維持原答案(B)
	36	Biology, Campbell, 10th ed., Page 603, Figure 25.25. <i>Hox</i> genes 會 suppress development.	維持原答案(A)
	38	答案無誤，請參考 Biology, Campbell, 10th ed., Pages 1067-1069。	維持原答案(C)
	40	Biology, Brooker, 2nd ed., Page 246: Splicosome is composed of snRNPs. Each snRNP contains snRNA and proteins. Biology, Campbell, 10th ed. Pages 398- 401 Molecular biology of the cell, B Alberts, 4th ed., Page 319 等書均支持此解釋。	維持原答案(E)

42	答案無誤，請參考 Biology, Brooker, 2nd ed., Page 1112-1113。生物學實驗，溫永福，3rd. ed., Pages 16, 195。	維持原答案(C)
50	普生 Brooker, 2nd ed., Page 143 說明 succinyl coA synthetase 可產生 ATP，生物化學提及需其他酵素。Biochemistry, Garret 5th ed., Page 612.	答案(C)或是(E)皆可
52	Cyclin 由 M 期的 anaphase 開始降解並持續到 G1 期，所以“Cyclin is degraded during G1” is truth。Biology, Campbell, 10th ed. Page 297-299.	維持原答案(E)
54	Helicase 並沒有 break strands，故(A)(B)都給分。	答案(B)或是(A)皆可
61	普生 Campbell, 10th ed. Page 397 說明 RNA polymerase II unwinds the double strand DNA。但遺傳及分子生物學提及 TFIIF 解開雙股螺旋 DNA。故(B)(D)都給分。參考 Biology, Campbell, 10th ed. Page 397, 425, 435。	答案(B)或是(D)皆可
64	課本提及 low complementarity of miRNA 能產生轉譯抑制的效果，並且 siRNA 有類似的大小和功能。Campbell Biology 10th ed., Page 430	維持原答案(B)
67	此題是考學生知不知道地衣常用來作為空氣污染的指標生物，所以正確答案是(E)，雖然(A)也是一個可能的答案，不過因為地衣在很乾燥的沙漠地帶都會出現，因此 E 是最佳答案。	維持原答案(E)
72	UCSD 為新建立的族群，與原來族群在外表型上的差異乃肇因於 founder effect。而 bottleneck effect 則為某事件(如天災)造成原族群數量大幅下降所致。	維持原答案(B)
73	當兩族群 fuse 為一族群時，hybridization (即 gene flow)應該會增加，不是減少。	維持原答案(A)
75	題目答案誤植	本題答案更正為(D)
77	本題目無適合答案	本題目送分

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有機化學	3	<p>考題中結構 IV(如右)  的全平面之表示法是不存在的，故不被包含在答案中，而實際存在 IV(如右)  之交錯結構才是 chiral。為求廣義解釋，答案改為(A)與(C)皆可。</p>	A, C 答案皆可
	6	<p>在同為環己酮骨架之結構 IV 與 V 中，相較之下，其不同之處在於 α 位置之朝外之羰基為醛基與酮基，故選項(D)之含醛基之環己酮的 pKa 較小。</p>	原答案無誤
	13	<p>選項(C)：3,3-Dimethylpentane(如右) ，有 4 signals(如黑體紅字 C)。</p>	原答案無誤
	60	<p>雖然試劑 III 有機會經 neighboring effect 獲得 trans-diol，但亦有機會不經 neighboring effect 獲得 cis-diol，故試劑 III 亦可被包含。</p>	原答案無誤
	68	<p>合理之合成流程如下，故選項以(B)為適合。</p> <p>aldol condensation saponification decarboxylation ring-closure</p> 	原答案無誤