

國立中山大學 109 學年度 碩士暨碩士專班招生考試試題

科目名稱：英文【醫科所碩士班乙組】

—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，不得另攜帶紙張，請衡酌作答。
- 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，其後果由考生自行負擔。
- 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寧、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。

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科目名稱：英文【醫科所碩士班乙組】

題號：428001

※本科目依簡章規定「不可以」使用計算機(混合題)

共 2 頁第 1 頁

一、單選題 (每題四分) 72%

1. Excessive kindness is _____ medicine to us. We need to stick to our principles instead of being pushovers all the time.
(A) faithful (B) reliable (C) intensive (D) poisonous
2. Levels of air pollution _____ last November, reaching not only the highest levels of the season but the highest levels in three years.
(A) recited (B) glided (C) peaked (D) dismissed
3. Those who have difficulty making decisions usually take a lot of time to _____ things, even petty things like what to eat for lunch today.
(A) approve (B) echo (C) harvest (D) determine
4. Outlining and mind mapping are two useful _____ when drafting a composition.
(A) accesses (B) strategies (C) qualities (D) theories
5. Thanks to the annual _____ checkup, a tumor in Mr. Zhang's lung was found and was cut out in time.
(A) scientific (B) regular (C) actual (D) immediate
6. When the president Tsai visited Swaziland, she and other officials presented five cattle to the Swazi king Mswati as gifts because they are regarded as a _____ of wealth there.
(A) function (B) symbol (C) profit (D) content
7. Antigen-antibody interactions _____ the basis of qualitative and semi-quantitative analysis for many years.
(A) have provided (B) has provided (C) were provided (D) had provided.
8. A common feature of _____ the presence of a specific structure in which hydrophobic amino acid residues offering specific interactions with substrates.
(A) protein is (B) proteins is (C) proteins are (D) protein are.
9. Techniques using a non-polar stationary phase and a polar mobile phase are reverse-phase system _____ normal chromatography that anon-polar mobile phase is used.
(A) Contrary (B) contrast to (C) in contrary to (D) in contrast to.
10. _____ selective dye-binding assays, such as DAPI, is available. This dye detects both ssDNA and RNA, and selectivity for RNA is achieved by pretreating samples with DNase.
(A) Little (B) Less (C) Few (D) A little.
11. Semiconductor quantum dots (QDs) are useful fluorescent labels in immunoassays. Their sizes are typically below 10 nm _____. Moreover, their excitation wavelengths are in a broaden range.
(A) at diameter (B) with diameter (C) on diameter (D) in diameter.
12. The analytical signal is produced by surface plasmon resonance (SPR), _____ well when large surface mass changes accompany analyte recognition/binding.
(A) work (B) is worked (C) which working (D) which works.
13. Mass migration has produced a huge worldwide economy of its own which has accelerated so fast during the past few years that the figures have _____ experts.
(A) scared (B) marked (C) astonished (D) pleasure
14. The male penguin usually balances the eggs on his feet, which are _____ in a thick roll of skin and feathers. The eggs can be warmer than the outside temperature.
(A) covering (B) covered (C) protecting (D) protected
15. The advantage of large group discussion is that students can overcome linear sequence of words by _____ on ideas from different directions; which makes for wholeness of thought.
(A) spending (B) creating (C) wasting (D) converging
16. The government can introduce late payment legislation, but there are always some debtors who _____ to pay on time.
(A) fail (B) insist (C) manage (D) come

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共 2 頁第 2 頁

17. Astronomical observations have _____ the presence of dark matter and dark energy, that substantially challenge our knowledge of fundamental physics.
(A) confused (B) revealed (C) refused (D) consisted
18. It would be helpful if you can provide some _____ feedback on their performance.
(A) comprehensive (B) competitive (C) constructive (D) convenient

二、翻譯題 (英翻中) 28%

1. The need for and utilization of long-term care services is largely determined by the incidence of chronic disease and disability. Elderly persons, by virtue of their high risk of chronic disease and disability, are the primary recipients of long-term care. The aging of the U.S. population will increase the demand for long-term care in the future. While nursing-home care is the most visible form of long-term care, in fact the bulk of the disabled are cared for at home by friends and relatives. Public funding, primarily by Medicaid, is predominately for institutional services.(10 分)
2. Microscopic images are often reported with a magnification. For compound light microscopes, the total magnification is the product of the magnifications of the objective lens and the eyepiece lens, for example 100x and 10x respectively, giving a total magnification of 1000x. But these numbers say nothing about the quality of the image, and the ability of the device to allow visual resolution of two closely-spaced objects. Resolution is a measurable parameter that is used to better define the spatial separation of objects in an image. Resolution, R , is the smallest resolvable distance between two objects. Normally, it is determined by the diffractive limit. (Modified from Bioanalytical chemistry, Susan R. et. al.)(10 分)
3. Hyperthermia therapy for cancer has drawn more and more attention these days. The etymological meaning of the word "hyperthermia" is generation of heat and with respect to cancer therapy, this implies that the treatment is based on generation of heat at the tumor site. The approach involves raising the temperature of local environment of the tumor resulting in changing the physiology of diseased cells, further leading to apoptosis. Nowadays, various techniques for hyperthermia therapy include ultrasound, microwaves, and infrared radiation. (8 分)