

高雄醫學大學 115 學年度學生轉系考試【英文】試題

說明：

- 一、「**選擇題**」部份請以答案卡劃卡作答，限用黑色2B軟心鉛筆劃記於答案卡上，劃線要粗黑、清晰，不可出格，答案卡不得折損，修正作答請以軟性橡皮擦擦拭乾淨，且**不得使用修正液（帶）**修正，未遵照正確作答方法而致無法判讀者，考生自行負責，不得提出異議。
- 二、「**非選擇題**」部份以「**答案卷**」作答，作答時不得使用鉛筆，違者該科答案卷不予計分；限用黑色或藍色墨水的筆書寫，更正時，可以使用修正液（帶）。
- 三、考生應在答案卡(卷)上規定範圍內作答，且不得書寫任何與答案無關之文字、符號，違者該科不予計分。
- 四、答案卡及答案卷每人各一張，不得要求增補；試題與答案卡、答案卷必須繳回，不得攜出試場。

I. Vocabulary 20% (2% for each question)

Part A: Choose the answer that best completes the sentence.

1. To ensure long-term preservation of important historical records, the archive has developed a comprehensive policy for the _____ of all digital documents.
(A) calculation (B) destruction (C) modification (D) retention
2. Over the years, the researcher was able to _____ a large amount of data, which later became the foundation of her groundbreaking study.
(A) accumulate (B) cooperate (C) elaborate (D) suspend
3. The university plans to _____ artificial intelligence tools into its curriculum in order to enhance students' learning experiences.
(A) incorporate (B) isolate (C) overlook (D) withdraw
4. In her latest novel, the author focuses on the difficulties experienced by _____ as they settle in a foreign country and adapt to a new language, culture, and way of life.
(A) athletes (B) celebrities (C) immigrants (D) volunteers
5. The discovery of the first successful cure for the disease after decades of failed research was considered an _____ achievement in modern medicine.
(A) ordinary (B) predictable (C) temporary (D) unprecedented

Part B: Choose the best explanation of the underlined word.

6. Economists have offered various explanations for the nation's sustained prosperity.
(A) affluence (B) instability (C) recession (D) scarcity
7. The committee faced a dilemma regarding the allocation of limited resources.
(A) consensus (B) predicament (C) regulation (D) strategy
8. The agency was instructed to expunge the disputed entry from its records.
(A) authenticate (B) classify (C) erase (D) gratify
9. Critics noted the poignant tone that permeates much of the author's later work.
(A) cynical (B) eloquent (C) moving (D) nostalgic
10. Despite extensive negotiations, the chairman remained obdurate throughout the process.
(A) compliant (B) impartial (C) tentative (D) stubborn

高雄醫學大學 115 學年度學生轉系考試【英文】試題

II. Grammar 20% (2% for each question)

Part A: Choose the answer that best completes the sentence.

11. The report recommends that additional measures _____ to improve workplace safety.
(A) implemented (B) be implemented (C) are implemented (D) have implemented
12. The conference attracted participants from over twenty countries, many of _____ were prominent scholars.
(A) them (B) those (C) which (D) whom
13. The teacher spoke slowly _____ all students could follow the lecture.
(A) despite (B) so that (C) unless (D) whereas
14. The proposal, _____ by several senior researchers, received final approval from the committee.
(A) supporting (B) supported (C) having supported (D) to support
15. _____ the weather conditions, the expedition would have reached the summit on schedule.
(A) But for (B) In spite of (C) Owing to (D) Regardless of

Part B: Identify the grammatically INCORRECT word or phrase.

16. The rapidly expansion of online retail platforms, accompanied by significant advances in digital payment technologies, _____
(A)
has enabled consumers to compare products more efficiently and access a wider range of services than was
(B)
previously available through conventional retail channels.
(C) (D)
17. The committee regarded the proposal as both innovative and capable to address persistent challenges that have limited
(A) (B)
the effectiveness of previous initiatives, many of which were designed to improve public services without sufficiently
(C)
considering local needs.
(D)
18. Although inflation affects nearly every sector of the economy, recent studies indicate that low-income households experience
(A) (B)
its consequences far more severe than those with greater access to financial resources and investment opportunities.
(C) (D)
19. Each of the recommendations outlined in the report, together with several supplementary guidelines proposed during the
(A)
consultation process, evaluated according to criteria established by an independent panel of experts from various disciplines.
(B) (C) (D)
20. The extent to which social media platforms influence public opinion and shape political behavior remains a subject of
(A)
considerable debate among researchers who study the long-term effects of digital communication on democracy institutions.
(B) (C) (D)

III. Cloze: Choose the answer that best fills in the blank. 10% (2 for each question)

Exchange-traded funds (ETFs) have become increasingly popular among investors seeking efficient access to financial markets. Unlike traditional mutual funds, ETFs can be bought and sold throughout the trading day on stock exchanges. This feature allows investors to respond more quickly to changing market conditions. __ (21) __, ETFs combine the flexibility of individual stocks with the diversification typically associated with investment funds.

高雄醫學大學 115 學年度學生轉系考試【英文】試題

Rather than concentrating on a single company or asset, many ETFs hold a broad range of securities. Some track major market indexes, while others focus on specific industries, geographic regions, or investment themes. This approach enables investors to reduce exposure to company-specific risks. __ (22) __ diversification can help lower risk, it cannot completely protect investors from broad market declines.

In addition to diversification, ETFs are often known for their relatively low operating costs. Because many ETFs follow predetermined indexes, they require less active management than traditional mutual funds. This cost efficiency has __ (23) __ to their growing popularity among long-term investors and retirement savers.

Nevertheless, investors should carefully evaluate the objectives and composition of each fund before investing. Different ETFs may hold different underlying assets and employ different strategies. Understanding how a fund is managed and what factors influence its performance can help investors make more __ (24) __ decisions. Some specialized ETFs even use complex investment strategies, which may __ (25) __ both potential gains and potential losses, causing investment outcomes to become more extreme during periods of market uncertainty.

- | | | | |
|---------------------|------------------|------------------|-----------------|
| 21. (A) In contrast | (B) Consequently | (C) Nevertheless | (D) For example |
| 22. (A) Because | (B) Unless | (C) While | (D) Since |
| 23. (A) attributed | (B) contributed | (C) transformed | (D) restricted |
| 24. (A) informed | (B) accidental | (C) reluctant | (D) temporary |
| 25. (A) estimate | (B) conceal | (C) amplify | (D) simplify |

IV. Reading Comprehension: Choose the best answer based on the passage. 20% (2 for each question)

Passage 1

An outbreak of Ebola caused by the Bundibugyo strain has raised serious concerns among health authorities in Central and East Africa. Unlike some other forms of Ebola, this strain currently has no approved vaccine or treatment, making **containment** efforts particularly challenging. The disease was first detected in the Democratic Republic of the Congo (DRC) and later spread to neighboring regions, including Uganda.

To address the crisis, major public health organizations have coordinated a continent-wide response strategy. Rather than focusing solely on treating infected patients, the plan emphasizes disease surveillance, laboratory testing, community engagement, and cross-border cooperation. Health experts argue that timely identification of new cases is essential because delays may allow the virus to spread undetected.

Despite these efforts, several obstacles remain. Ongoing insecurity in affected areas has complicated response operations, while shortages of diagnostic resources have limited the speed of testing. In addition, thousands of individuals who may have been exposed to the virus have not yet been located, making contact tracing extremely difficult.

Public health officials warn that controlling the outbreak will require not only medical resources but also cooperation from local communities. Lessons learned from previous epidemics suggest that successful disease control depends on public trust, sustained funding, and effective coordination among governments and international organizations. Without these factors, the outbreak could continue to expand and place additional pressure on already vulnerable health systems.

26. According to the passage, one major challenge in controlling the current outbreak is that

- (A) the virus has already spread to every African country.
- (B) no approved vaccine or treatment currently exists for this strain.
- (C) governments have refused to cooperate with health agencies.
- (D) laboratory testing is no longer considered necessary.

27. The word **containment** in the first paragraph is closest in meaning to

- (A) prevention of further spread
- (B) scientific discovery
- (C) economic recovery
- (D) political negotiation

高雄醫學大學 115 學年度學生轉系考試【英文】試題

28. According to the passage, the response strategy includes all of the following EXCEPT
- (A) community engagement
 - (B) laboratory testing
 - (C) disease surveillance
 - (D) mandatory closure of all national borders
29. Why does the author mention contact tracing in the third paragraph?
- (A) To illustrate why vaccine development is unnecessary
 - (B) To explain how governments collect economic data
 - (C) To emphasize a major difficulty in controlling the outbreak
 - (D) To show that most infections occur outside Africa
30. Which of the following best expresses the main idea of the passage?
- (A) Ebola outbreaks can be eliminated solely through medical treatment.
 - (B) International organizations should assume full responsibility for public health emergencies.
 - (C) The current Ebola outbreak highlights the importance of coordinated action, adequate resources, and community cooperation.
 - (D) Previous Ebola outbreaks offer little information that can be applied to current disease-control efforts.

Passage 2

CRISPR has transformed biological research by providing scientists with a highly precise method for modifying genetic material. Although it is now widely associated with gene editing, the technology originated from a natural defense mechanism found in certain microorganisms. By combining a guiding RNA molecule with specialized enzymes, researchers can locate and alter specific DNA sequences with remarkable accuracy.

The technology has attracted considerable attention because of its medical applications. In recent years, CRISPR-based therapies have received approval for treating some inherited blood disorders. Unlike traditional treatments that mainly reduce symptoms, these therapies aim to correct the genetic abnormalities responsible for disease. Early clinical studies have reported **encouraging** results, with many patients experiencing long-lasting improvements in health.

Beyond medicine, CRISPR has influenced several other fields. Researchers have applied it to agriculture to develop crops that can better withstand environmental challenges. In addition, CRISPR-related tools have been adapted for early disease detection, demonstrating value not only in treatment but also in diagnosis.

Nevertheless, the technology continues to generate ethical debate. Some scientists believe that gene editing could eventually prevent serious inherited disorders before they develop. Others argue that altering human genetic material may create unforeseen consequences and raise concerns about fairness and social inequality. As CRISPR technology advances, many experts emphasize that scientific innovation should be accompanied by careful oversight and responsible regulation.

31. According to the passage, CRISPR was originally derived from
- (A) a pharmaceutical treatment developed in hospitals
 - (B) a diagnostic device used during disease outbreaks
 - (C) an agricultural method designed to improve crops
 - (D) a natural defense system found in microorganisms
32. The word **encouraging** in the second paragraph is closest in meaning to
- (A) controversial
 - (B) promising
 - (C) temporary
 - (D) unavoidable
33. According to the passage, CRISPR has been applied in all of the following fields EXCEPT
- (A) renewable energy
 - (B) agriculture
 - (C) medicine
 - (D) disease diagnosis

高雄醫學大學 115 學年度學生轉系考試【英文】試題

34. Which of the following best explains why CRISPR-based therapies are considered significant?
- (A) They eliminate the need for all future medical treatment.
 - (B) They are primarily designed to reduce treatment costs.
 - (C) They attempt to address the genetic causes of disease rather than merely manage symptoms.
 - (D) They can currently cure every inherited disorder.
35. Which statement best reflects the author's attitude toward CRISPR?
- (A) CRISPR should be banned until all ethical concerns are resolved.
 - (B) The ethical risks of CRISPR outweigh any potential medical advantages.
 - (C) CRISPR's most valuable application is in agriculture rather than medicine.
 - (D) CRISPR offers important benefits, but its development should be guided by responsible regulation.

V. Essay Writing (30%)

Scott Young is widely known for his remarkable learning projects. Most notably, he completed the equivalent of MIT's four-year computer science program in only one year without being enrolled as a regular student. Instead, he relied primarily on self-directed learning and online resources.

Some people believe that formal classroom instruction remains the most effective way to learn, while others argue that motivated learners can achieve equal or even better results through independent study.

Which approach do you think is more effective: formal classroom learning or self-directed learning? Explain your opinion with specific reasons and examples. Your essay should be 200-250 words in length.