

國立羅東高級中學 113 學年度第一次教師甄試

英文科初試試題

作答說明:

(1) 請直接作答在每一大題的作答區上，作答區之外的答案將不列入計分

(2) I~III 選擇題部分請依題號填入空格內; IV~VI 非選擇題部分請翻頁,標清楚題號依照順序作答

I. Vocabulary & grammar (15%)

1. Microglia have been _____ in aging-related neurodegenerative disease, yet relatively little is known about how normal aging and chronic pathological states may affect microglial function.
(A) implicated (B) complicated (C) replicated (D) explicated
2. The world, as he saw it, was full of con-men, hypocrites and grifters who were either ludicrous or _____ or both.
(A) redundant (B) deteriorating (C) spectacular (D) malevolent
3. She was riding to the hospital on a bicycle and suffered a(n) _____ accident along the way.
(A) calamitous (B) disadvantaged (C) unabashed (D) misanthropic
4. People in the past used to believe that the surface of the moon was smooth; they didn't know it is full of _____.
(A) eclipses (B) incenses (C) nostrils (D) craters
5. Cultural norms that discourage public discussion are likely to be more difficult to change because they are _____ by a variety of institutions.
(A) perambulated (B) perpetrated (C) propitiated (D) perpetuated
6. His _____ nature meant he was well-prepared for retirement, having invested wisely over the years.
(A) imperative (B) haphazard (C) provident (D) lamentable
7. Her _____ shopping habits resulted in a closet full of clothes she rarely wore, as she often bought items on a whim.
(A) specious (B) resilient (C) ingenious (D) impetuous
8. As she approached the stage to give her first public speech, she was filled with _____, fearing she might forget her lines or stumble over her words.
(A) duplicity (B) trepidation (C) resentment (D) nuance
9. The politician's _____ behavior, including lying and manipulating facts, eroded the public's trust in the government.

- (A) mandatory (B) impeccable (C) oblivious (D) despicable
10. During the security check, the guards had to _____ several prohibited items from passengers, including sharp objects and oversized liquids.
- (A) congeal (B) confiscate (C) relegate (D) relinquish
11. The ambitious entrepreneur strove to _____ the success of his role models, dedicating countless hours to perfecting his craft and building his business empire.
- (A) embellish (B) elucidate (C) emancipate (D) emulate
12. Trapped in a web of lies, he realized the complexity of his _____ and knew that honesty was the only way to untangle the mess he had created.
- (A) predicament (B) momentum (C) serendipity (D) salutation
13. Choose the incorrect sentence:
- (A) A particularly challenging section of the mountain, known as the Hillary Step, bears the name of the intrepid climber himself, who was the first to make it.
- (B) The growing number of climbers waiting in line in the death zone for their turn to reach the summit increases the risk of fatalities.
- (C) Around 800 visiting climbers attempt to sumitting Everest each year, their success heavily relying on the unwavering support of the Sherpas.
- (D) Previously considered one of the most arduous stretches to ascend, an earthquake in 2015 reportedly altered the rock face, making it less formidable to climb.
14. Choose the incorrect sentence:
- (A) China's international media influence is gaining ground, and it is using global media outlets to spread its views and shape public opinion on various issues, intruding into every corner of the world.
- (B) Over the past couple of decades, China has built an extensive media empire by opening state media bureaus overseas, investing in foreign media companies, and forming partnerships with other news organizations.
- (C) This media campaign is part of China's broader strategy to enhance its global influence, particularly in developing countries.
- (D) More alarmingly, Chinese media engaged in collaborating with local outlets as well as amplify and spread misled narratives, creating the illusion of global support for their claims.
15. Choose the incorrect sentence:
- (A) The chameleon, a marvel of the natural world, is a fascinating reptile known as its remarkable ability to adapt and blend into its surroundings.
- (B) The chameleon's unique physical characteristics and behavior have captivated scientists and

nature enthusiasts alike, leading to extensive research and admiration.

(C) With lightning speed, the chameleon can extend its tongue to capture prey, such as insects and small vertebrates, from a considerable distance.

(D) Chameleons are masterful climbers, utilizing their prehensile tail and zygodactylous feet—two toes facing forward and two facing backward—to navigate through dense foliage and vertical surfaces.

II. Cloze Test: 5%

Sun Kai engages in a weekly video call with his mother, candidly discussing the vicissitudes and pressures of his life, despite her having passed away five years ago. The entity he communicates with is not a living person but a(n) 16 digital replica created through the application of artificial intelligence. Following his mother's sudden demise in 2019, Sun was determined to maintain their bond via technological means. He turned to Silicon Intelligence, an AI enterprise he co-founded in Nanjing, China, which 17 a photograph and audio recordings from WeChat to construct a digital avatar of his mother.

This digital incarnation of his mother is capable of conducting 18 conversations, frequently reiterating phrases she habitually used, which evokes profound emotional responses in Sun. Although the technology was still in its infancy when he initiated its use, and the replica's dialogue was confined to a limited set of pre-written lines, Sun 19 considerable comfort from hearing these familiar utterances emanate from the digital avatar.

The phenomenon of communicating with deceased loved ones through technological means is rapidly gaining traction, particularly in China. Numerous companies now proffer such services, which 20 with the cultural tradition of seeking solace by conversing with the dead. As the technology progresses, these avatars are becoming increasingly lifelike and economically accessible, thereby reaching a wider demographic.

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| 16. | (A) unadvised | (B) sophisticated | (C) scandalous | (D) impromptu |
| 17. | (A) employed | (B) conceived | (C) coddled | (D) entangled |
| 18. | (A) sedentary | (B) rapacious | (C) palatable | (D) rudimentary |
| 19. | (A) implied | (B) derived | (C) conformed | (D) attested |
| 20. | (A) resonate | (B) inflict | (C) penetrate | (D) rally |

III. Contextual Filling: (10%)

It is becoming a popular belief that human beings are perfectible through the improvement of genes. More and more people come to believe that ⁽²¹⁾ _____ of genes can create “perfect” healthy human beings. This belief rests on a ⁽²²⁾ _____ of truth that genes do cause illness. Sickle cell anemia and cystic fibrosis are ⁽²³⁾ _____. Even such “environmental” diseases as lung cancer have genetic ⁽²⁴⁾ _____. Genes probably play some role, great or small, in every disease known to humankind.

So why not fix these genes? If we had the technology, why not ⁽²⁵⁾ _____ these troublesome genes from the whole human genome? The reason is that these genes, with few exceptions, probably exist for a reason. To “fix” them may be to invite trouble elsewhere.

Take sickle cell anemia for example. No one would wish this disease on their children. However, the very parents whose children are at risk of sickle cell are themselves ⁽²⁶⁾ _____ to malaria. Protection from malaria may seem like an unnecessary insurance policy to most people in developed countries. But if the sickle cell gene did not exist, humankind would be the worse for it.

Then there are gene variants that lead to breast cancer, ⁽²⁷⁾ _____, asthma and Alzheimer’s disease. Are these genes simply bad players, which need to be ⁽²⁸⁾ _____? Or could some of these “disease genes” provide benefits we haven’t figured out yet?

As the tools of ⁽²⁹⁾ _____ genetics are increasingly brought into clinical research, there will be better understanding of these complex gene actions. We may come to a realization that our genetic imperfections or better put, our genetic diversity, are a ⁽³⁰⁾ _____ against the unknowable circumstances that await our children and all who follow.

(A) components	(B) molecular	(C) genetic	(D) illuminated
(E) diabetes	(F) eliminated	(G) resistant	(H) manipulation
(I) shred	(J) dispose of	(K) tolerant	(L) hedge

IV. Translation (20%)

(A) Please translate the following English article into Chinese (10%)

An emotional trigger refers to a highly intense emotional reaction that may seem disproportionate to the current situation. These emotions serve as cues, indicating that a part of you feels threatened. When triggered, you may feel like you're reacting automatically rather than making a conscious choice. Triggers are valuable clues that help you uncover unresolved issues within yourself, known as your "shadow." By taking a step back and objectively analyzing the situations that trigger strong emotional responses, you may discover a common theme. It could be a specific keyword, a certain behavior, a type of person, or even a particular place that repeatedly disrupts your emotions.

(B) Please translate the following Chinese article into English(10%)

2015 年的巴黎氣候峰會，揭開了全球淨零轉型序幕。對經濟高度仰賴出口貿易的台灣來說，這是天翻地覆的改變。從此以後，客戶下單不只要看品質與價格，還要看碳含量，如蘋果、Nike、BMW 等國際大品牌，都要求供應商以百分之百再生能源來生產。

IV: Testing & Lesson Plan: (30%)

● **Please answer the following questions based on the following passage:**

According to representatives from the video game industry, artificial intelligence (AI) will bring about an increase in jobs rather than job losses. Dr. Richard Wilson, head of TIGA, believes that AI will reduce game development costs and accelerate the process. However, some express concerns about potential job losses and legal issues related to AI technology in game development. UKIE, another organization supporting British gaming companies, views these advancements as an exciting and promising opportunity for the industry, even if there are issues to be grappled with.

AI has been a part of video games for decades, even in simpler forms. For instance, in the 1980s, AI was used to control game characters like ghosts in Pac-Man. Today, AI plays a more significant role, not only influencing on-screen actions but also affecting the entire game development process. AI can automate mundane tasks like scripting, voicing background characters, and creating artwork, allowing game studios to concentrate on more creative aspects.

Generative AI techniques hold great potential for storytelling in games. AI-controlled characters can now interact intelligently based on the player's actions and the written story. This immersive experience aims to engage players deeply and create natural conversations with game characters, moving beyond previous limited options.

Guy He Gadney, co-founder of Charisma.ai, believes that unlocking the potential of non-playable characters will revolutionize the way games tell stories. This technology could expand beyond gaming and find applications in various forms of storytelling for companies like Warner, DreamWorks, and Sky.

However, while AI offers numerous possibilities, challenges arise concerning copyright and legal rights. The use of open-access AI tools for generating game assets can raise copyright concerns, allowing others to use those assets without legal restrictions. Now, some game studios are developing their AI platforms to navigate these challenges, but it requires time and money. Tommy Thompson, an AI expert in games, warns that while AI has already found application in various gaming aspects, the road ahead involves addressing legal issues and the ever-changing skill requirements for gaming companies.

In conclusion, the video game industry is embracing AI technology, which has the potential to revolutionize game development and storytelling. While concerns about job losses and copyright issues persist, the overall outlook is optimistic, with AI offering exciting opportunities for immersive

gaming experiences and creative storytelling. As AI continues to evolve and integrate into the gaming landscape, the industry must navigate these challenges responsibly to fully harness AI's potential.

- (1) Please draw up three reading comprehension questions, including questions on main idea, supporting ideas, and inference. State the purpose of each question you draw up and briefly explain it. (10%)
- (2) Design one warm-up, and one follow-up activities. (10%)
- (3) Design a worksheet with questions or exercises for vocabulary and sentence patterns (10%)

VI Essay questions: (20%)

Please answer the following questions:

- (1) Please briefly state your teaching philosophy. (10%)
- (2) Please make some comments on the Bilingual 2030 policy and the current bilingual experimental programs in senior high schools. (10%)