

國立彰化師範大學 95 學年度碩士班招生考試試題

系所： 碩士共同

科目： 英文 (英語所、兒英所、翻譯所以外系所)

☆☆請在答案紙上作答☆☆

共 5 頁，第 1 頁

I. Vocabulary: (20%)

Choose the best answer to fill in the blank.

1. Most anesthetics put the patients to _____.
(A) pain (B) delight (C) cry (D) sleep
2. We can seldom see the cavalry now. It has been replaced by the _____.
(A) infantry (B) armor (C) artillery (D) notation
3. He had to _____ the check before the bank would cash it.
(A) join (B) split (C) peep (D) endorse
4. Two large ships _____ in the harbor and both sank.
(A) collided (B) irrigated (C) stifled (D) corroborated
5. My sister is so _____ that she will think a way to do the work more easily.
(A) unmoral (B) ingenious (C) morale (D) contemptuous
6. There is a (an) _____ of tigers in the forest, and only a small number of monkeys and elephants.
(A) preponderance (B) imminent (C) frugal (D) coherent
7. A clever politician knows how to _____ his supporters.
(A) manipulate (B) recur (C) shimmer (D) articulate
8. A baby likes to play by himself, but as he grows older he becomes _____.
(A) gregarious (B) crimson (C) foliage (D) barometer
9. The judge had a (an) _____ look on his face as he spoke to the criminal.
(A) hegira (B) austere (C) alloy (D) habitat
10. When we refused to use his idea, he tried to force it on us by a series of _____.
(A) cavern (B) maneuvers (C) gust (D) tributary

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II. Reading Comprehension (30%): Read each of the following passages and choose the best answer to each question.

Passage One

Recycled paper is an excellent example of how reusing products can result in expanded business opportunities. Recycling began in the early 1970s with the collection of corrugated boxes and old newspapers. The first 20 years were not at all profitable. In fact, too much paper was collected, prices fell, and this hurt the recycling programs in many cities. For a while, it seemed as though recycling was not going to be worth it. However, by the early 1990s de-inking technology was developed, making a higher quality paper available from office wastepaper. Paper mills are now producing a wide variety of business supplies from recycled paper, and the markets of recycled paper are expanding. With such high demand, papermakers want guaranteed suppliers. Therefore, they are eager to sign long-term contracts with city recycle programs.

1. The phrase “guaranteed suppliers” (in line 8) refers to _____.
(A) recycle programs
(B) markets of recycled paper
(C) paper mills
(D) varieties of de-inking technology
2. According to the passage, paper recycling _____.
(A) is not worthwhile doing at all
(B) helps people expand their business
(C) has worked quite successfully since it started
(D) helps to make more business opportunities
3. According to the passage, the city recycling programs _____.
(A) did not like the development of de-inking technology
(B) are benefited from the expanding of paper recycling markets
(C) ran very well between 1970 and 1990
(D) are anxious to sign long-term contract with papermakers

Passage Two

Scientists’ interest in the Red Planet is based on an assumption. They believe that 4.5 billion years ago, Mars and Earth began their existence under similar conditions. During the first billion years, liquid water—in contrast to ice—was abundant on the surface of Mars. This is an indication that Mars was much warmer at that time. Mars also had a thicker atmosphere of carbon dioxide. Many scientists think it is possible that life began under these favorable conditions. After all, Earth had the same conditions during its first billion years, when life arose. At some point in time, Earth developed an atmosphere that is rich in oxygen, and an ozone layer. Ozone is a form of oxygen. The ozone layer

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protects Earth from harmful ultraviolet light from the sun. While life not only began on Earth, it also survived and became more complex. In contrast, Mars lost its thick atmosphere of carbon dioxide. Ultraviolet radiation intensified. The planet eventually grew colder, and its water froze.

A biologist at the National Aeronautics and Space Administration (NASA) has suggested three theories about life on Mars. One possibility is that life never developed. A second possibility is that life arose on Mars just as it did on Earth and survived for at least a billion years. The third is that life arose and simple organisms developed. When environmental conditions on Mars changed, life ended.

4. What is the main idea of the passage?
- (A) The formation of oxygen and ozone layer on Earth.
 - (B) The possible existence of the ice age on Mars and Earth.
 - (C) The changes of environmental conditions on Earth.
 - (D) The assumption and theories about life on Mars.
5. What does “the Red Planet” (in line 1) refer to?
- (A) Ozone
 - (B) Earth
 - (C) Mars
 - (D) the sun
6. Which of the following statements is TRUE?
- (A) Mars and Earth were very similar 4.5 billion years ago.
 - (B) Scientists believe there is liquid water on Mars now.
 - (C) Mar is older than Earth.
 - (D) NASA biologists have three possible theories about life on Mars.

Passage Three

Hmm, hmhhh-hum, humm. That's the start of Mozart's *Sonata for Two Pianos in D Major* and, according to a new neurobiology study, if you hum along, you could be a couple of IQ points smarter by the time you finish this magazine. The study, published in the British science journal *Nature*, found that listening to Mozart could actually increase your intelligence, at least temporarily. Thirty-six college students listened to the sonata, a relaxation tape, and nothing, and then took three different IQ tests. The post-Mozart scores showed a substantial boost: an average of 119, as opposed to 111 for the relaxation tape and 110 for silence. Though the brain buzz seems to last only for 15 minutes, researchers say that exposing children to the music at an early age may have longer-lasting effects.

What's the magic in Mozart's flute? One theory is that the intricate musical structures may resonate the brain's dense web, lubricating the flow of neurons. Gordon Shaw, a physics professor involved in the research, says neural structure includes regular firing patterns that build along the surface of the brain like bridges. Mozart's musical architecture may evoke a sympathetic response from the brain the way that one vibrating piano string can set another humming.

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7. The word “intricate” in line 1 of the second paragraph means _____.
- (A) internal
 - (B) plain
 - (C) complicated
 - (D) well-organized
8. The study has shown that listening to Mozart appears to _____.
- (A) have a long-lasting effect on your brain
 - (B) score higher on the IQ test than silence does
 - (C) increase your intelligence
 - (D) reduce your stress and help you relax
9. The main purpose of the passage is to _____.
- (A) initiate action on promoting music education
 - (B) explain the effects of Mozart’s music on the brain
 - (C) argue that only Mozart’s music can increase our intelligence
 - (D) encourage parents to expose their children to music as early as possible
10. According to the passage, which of the following statements is TRUE?
- (A) Listening to relaxation tapes lowers the score on an IQ test.
 - (B) Mozart’s piano strings can cause the neuron firing patterns to vibrate.
 - (C) Studying the magic of Mozart’s flute will increase your intelligence.
 - (D) The way Mozart’s music is constructed causes a reaction in the brain.

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共5頁，第5頁

III. Translate the following passages into English (30%)

1. 大約三十五年前，一門新的科學誕生了。這就是我們今日所謂的“認知科學”，這門學科結合了心理學、電腦科學、語言學、哲學以及神經生物學等學科的工具來解釋人類的智力是如何運作的。(15%) (The Language Instinct, by Steven Pinker)
2. 在這個世界上有兩種致富的方式。第一種：生產一些有價值的東西並且把這些東西賣給別人。第二種：找到遵循第一種策略的人，並且從他們身上竊取。(15%) (Ukraine: How Not To Run an Economy, by Gregory Mankiw)

IV. 作文 (20%)

A famous quote says “Your attitude determines your latitude (緯度/(言語,行動等的)迴旋餘地,自由,引申涵義為成就).”

Based on your own experience, write a short but well-organized English composition to express your interpretation of the quote and explain how the quote can be related to your graduate study. [Length limit: 100-200 words.]