

國立嘉義大學九十四學年度

國民教育研究所碩士班招生考試試題

科目：英文(含專業英文)

第一部分 普通英文

一、克漏字(請依據文意選出一個正確或最佳答案) 30%

Passage A

NASA is doing well in its effort to make the space shuttle safer, officials said recently, but there is still a lot of work to be done.

Wayne Hale, deputy manager of the shuttle program, reported that the National Aeronautics and Space Administration is still on (1) for a launch next spring. The shuttle fleet has been (2) since February 2003, when the shuttle Columbia broke apart as it re-entered the (3).

The toughest problems facing NASA will probably consume much of the (4) time before launch, Hale said. They include drastically reducing the (5) coming off the shuttle's massive external fuel tank and developing a method to repair the shuttle's (6) protection system in space.

Columbia was lost because a large chunk of (7) foam from the tank broke off and punched a hole in a reinforced panel on the edge of the left wing. During re-entry, superhot gases seeped in through the hole and caused the spacecraft to (8).

NASA's goal is to have foam chunks no bigger than the size of a coffee cup come off the tank. Neil Otte, chief engineer of the external tank program, said there is cautious (9) that an improved tank will be ready in time for a spring launch.

Repairing the shuttle's heat shield in (10) is another challenge. Materials for patching cracks and tools for fixing larger holes are all coming along well, Hale reported.

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|---------------------|-----------------|----------------|---------------|
| 1. (A) way | (B) track | (C) route | (D) pace |
| 2. (A) fixed | (B) constructed | (C) grounded | (D) broken |
| 3. (A) atmosphere | (B) space | (C) sphere | (D) graph |
| 4. (A) making | (B) selling | (C) during | (D) remaining |
| 5. (A) debris | (B) pebbles | (C) rocks | (D) ashes |
| 6. (A) degree | (B) scale | (C) thermal | (D) interval |
| 7. (A) insulating | (B) protecting | (C) performing | (D) insulting |
| 8. (A) disintegrate | (B) dismiss | (C) disregard | (D) discover |
| 9. (A) optic | (B) optimism | (C) organism | (D) orphanage |
| 10. (A) oval | (B) obstacle | (C) orchestra | (D) orbit |

Passage B

Amy Tan is probably the world's best known Chinese-American writer. Her intense, fascinating novels are (11) her own experience, and are deeply influenced by her Chinese cultural heritage. (12), Tan's books often deal with the theme of Chinese mother-daughter relationships.

While (13), Tan was a teenage rebel. She had friends who took drugs. At sixteen, she had a German boyfriend who was in his twenties. But her mother, who had emigrated to America from China in the 1940s, had very traditional Chinese values.

It was hard for the fun-loving, open-minded Tan to accept her mother's conservative point of view and strict discipline. (14) Tan grew older, however, she realized that her mother's controlling ways and constant advice (15) of love. The elder Tan simply wanted her American daughter to have the best possible life.

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|-----------------------|--------------------|-------------------|-------------------|
| 11. (A) replied to | (B) based on | (C) put off | (D) given up |
| 12. (A) In particular | (B) For particular | (C) Of particular | (D) At particular |
| 13. (A) grown up | (B) be grown up | (C) be growing up | (D) growing up |
| 14. (A) If | (B) Although | (C) Not only | (D) As |
| 15. (A) dragged away | (B) added up | (C) came out | (D) jumped out |

二、閱讀測驗(請依據文意選出最佳的答案)20%。

Passage C

One of the insidious things about overpopulation is that its harmful effects are not immediately apparent. To the untrained eye, things may look good at first. There are a lot of animals, and they seem to be in good condition. The real danger signals are subtle and difficult to detect.

The plants that sustain grazing animals have adapted themselves to the periodic loss of some of their foliage. When a grazing animal takes a bite of grass or leaves, the plant has a reserve of energy that enables it to recover and replace the lost foliage in due time. This situation prevails to the benefit of both plants and animals on a balanced range.

But when too many plant eaters dine too often, the animals start to consume the reserves that the plant needs to restore itself. In short, the plant is nibbled to death. The first thing that happens on an overgrazed range is the disappearance of the choice forage plants. These are the plants that the animals like best and eat first. They are sometimes referred to as "ice-cream plants" by range managers. As the ice-cream plants disappear, less palatable plants take their place. To the untrained eye, the range still looks good. It is green and there is vegetation; but to the range manager, who must look at the range through the eyes of the horse, pickings are slim.

After a time the horses start to eat the less palatable plants. As the range continues to deteriorate, the animals are forced to become less choosy about their food. More important, many of the plants they now consume are low in nutritional value. The animals start to show signs of malnutrition, and, as the

背面尚有試題

overgrazing continues, the vegetative cover is depleted to the point that the soil begins eroding.

Yet, even on a severely overgrazed range, it is rare for an animal to lie down to die of simple starvation. Instead, the weakened animals become more susceptible to disease. An infection that healthy animals might throw off may become fatal to the undernourished, and a cold spell or rainy season that would be only a minor inconvenience to healthy animals may decimate a herd weakened by prolonged hunger.

The disaster that has hovered on the horizon for so long may at last strike like lightning, but chances are it will be misinterpreted as something else. The public rarely understands what happens.

16. The signs of overgrazing

- (A) are seen first in small animals. (B) are subtle and slow to develop.
(C) are apparent only after whole herds have died. (D) are referred to "ice-cream plants."

17. The author implies that the range manager

- (A) is sympathetic towards range animals. (B) is often unaware of overgrazing.
(C) is responsible for preventing excessive overgrazing. (D) is innocent to the phenomenon.

18. The less palatable range plants

- (A) are often poisonous. (B) contain little water.
(C) are low in vitamins and minerals. (D) consume too much fertilizer.

19. This article is mostly concerned with the effects of overgrazing

- (A) on cattle. (B) on deer. (C) on horses. (D) on sheep.

20. The states that most people

- (A) are not concerned with ecological problems.
(B) do not comprehend the dangers of overpopulation.
(C) do not care about the survival of wild animals.
(D) are not interested in nature.

Passage D

Dice, the plural of die, are small cubes used in games. They are usually made of ivory, bone, wood, bakelite, or similar materials. The six sides are numbered by dots from 1 to 6, so placed that the sum of the dots on a side and the opposite side equals 7.

A simple form of play with dice is for each player to throw, or shoot, for the highest sum. However, the most popular dice game in the United States is called craps. It is played with 2 dice and the underlying principle of the game is the fact that the most probable throw is a 7. On the first throw, if a player shoots a 7 or 11 (called a natural), he wins and begins again, but if he shoots 2, 3, or 12 (called craps) on the first throw, he loses. If on the first throw he shoots 4, 5, 6, 8, 9, or 10, that number becomes his point. He continues to throw until he shoots that number again (makes his point), in which case he wins and begins again. However, if he shoots a 7 before he makes his point, he loses and relinquishes the dice to the next player. Usually all others in the game bet against the thrower, and in gambling halls bets are made against the house.

21. In craps, a throw of 11

- (A) always wins. (B) sometimes loses. (C) sometimes wins. (D) becomes the point.

22. If one side of a die has three dots on it, the opposite side has

- (A) 6 (B) 4 (C) 3 (D) 7

23. In a game of craps, if a player throws a 5 and then a 3, he

- (A) wins. (B) loses. (C) shoots again. (D) makes his point.

24. In a game of craps, if the player throws a 12 on his first throw

- (A) he has the highest sum, so he wins. (B) that number is his point.
(C) he has shot craps. (D) he has made a natural.

25. What number is most probable on a throw of the dice?

- (A) 7 and 11 have equal probabilities. (B) 7 (C) 11 (D) craps

第二部分 專業英文

I. Please translate the following statements into Chinese (請將下列句子翻譯成中文).

1. Systems of education are directed largely by what parents want for their children. Because most parents want material advantages for them, the modern system of education was developed primarily with this goal in mind. Little attention, if any, has been paid to helping students to become *successful human beings*. (10%)
2. Few mathematics teachers try to show their students how the principles of mathematics might help them in the exercise of everyday logic, and of common sense. Few English teachers try to instill in their students a respect for grammar as a gateway to clear thinking. Few science teachers bother to show their students how they might apply what they learn in the classroom to creative problem-solving in daily life. (10%)
3. Because our society equates education and wisdom itself with mere knowledge, and because we see this accumulation of knowledge as the be-all and end-all of education, we fail to recognize life for the opportunity, the very adventure, that it is: the opportunity to develop ourselves to our full potential *as human beings*; and the adventure of discovering hitherto unknown facets of our own selves. (15%)

II. Please answer the following question **in English** (請用英文回答下面的問題). (15%)

As parents or teachers, we all want success for our children or students. However, we do not all agree on what success means. Please explain, **in your own words**, how you would define success as a teacher. Also, how would you want your students to define success?

P. S. You may use the following format to help you start the answer: I think I am successful as a teacher when I _____; I want my students to think they are successful when they _____.

Please remember to offer brief explanations for your answer. Please also note that your answer is not limited to this format. You are welcome to answer the question in any way that makes you feel confident and comfortable.