

國立體育大學 100 學年度研究所碩士班入學考試試題

英 文

(本試題共 5 頁)

※注意：1 答案一律寫在答案卷上，否則不予計分。

2 請核對試卷、准考證號碼與座位號碼三者是否相符。

3 試卷『彌封處』不得污損、破壞。

4 行動電話或呼叫器等通訊器材不得隨身攜帶，並且關機。

除了英文翻譯成中文之題目外，一律以英文答題，橫書方式。請在答案卷上註明題號。

I. Match the phrases to make logical sentences. Use each phrase one time only.

(20 points)

- | | |
|---|--|
| 1. Guerrillas are rebels | A. their growth is closely monitored. |
| 2. Small creatures, such as plankton, | B. but a desire for it is absolutely necessary. |
| 3. Victims of bullying can even | C. who fight against the government. |
| 4. After seedlings are planted, | D. genius is closely related to mental illness. |
| 5. Quiz shows can be fun | E. the better at small talk you become. |
| 6. That research paper argues that | F. but this is not always the case. |
| 7. One does not have to love money to have it, | G. consume the algae. |
| 8. In note taking and in reading for reports, | H. be sure to make an exact record of where your ideas come from. |
| 9. Many areas in the tropical zone have very wet weather, | I. sue their school for not doing enough to protect them. |
| 10. The more at ease you become in conversation, | J. when you try to answer the questions faster than the participants do. |

II. Read the passages. Then choose the best answer and translate the underlined statement into Chinese. (30 points)

A.

Smoking has significant effects on the body because of the nicotine in tobacco, the tars in tobacco, and smoke particles that are trapped in the lungs. Nicotine acts as a stimulant on the nervous system and the heart and other internal organs. Nicotine may be the cause or one of the causes of the many heart attacks and other conditions, including stomach and intestinal ulcer. Tars contain small quantities of cancer-producing substances. They are believed to be one of the major factors that lead to lung cancer and other types of cancer among smokers. Smoke particles may cause the cells in the lungs to function improperly and damage the lining of the lungs. They also help cause progressive destruction of the walls of the air sacs in the lungs of long-term smokers.

(from Arthur C. Guyton, "Smoking")

11. Nicotine

- (a) always causes heart attack.
- (b) is poisonous.
- (c) causes skin cancer.
- (d) causes headaches. (2 points)

12. Tar is dangerous to our health because

- (a) smokers enjoy its smell.
- (b) it causes intestinal ulcers.
- (c) it produces smoke particles.
- (d) it contains harmful substances. (2 points)

13. Long-term smoking

- (a) will always cause fatal lung cancer.
- (b) traps smoke particles in the throat.
- (c) is not harmful to one's health.
- (d) may cause one's lungs to function improperly. (2 points)

14. 中譯文章中畫底線的敘述。(9 points)

B.

Life begins and ends with music. It envelopes and permeates the world we live in. Land, water, and sky are full of elemental music of many kinds and degrees of intensity. The wind sings through the responsive leaves and plays on the harp strings of the waving reeds by the rivers; birds pour forth their lyric tunes to charm the waking morning; and the ocean waves swell in rhythmic chorus as if at the command of a master conductor. The potency of music has been acknowledged in all ages and by all places. Without music, our lives would become bleak; without music, life would become lifeless. Heroes march into the jaw of death to the accompaniment of music, and no nation is founded without a national anthem.

(from Fritz Kreisler, "Music and Life")

15. According to the author, the world is full of music of many kinds. How many specific examples are given in this passage? (2 points)

- (a) three
- (b) four
- (c) five
- (d) two

16. "elemental music" is

- (a) universal music.
- (b) simple music.
- (c) music of nature.
- (d) fantastic music. (2 points)

17. The word "chorus" is used to show the _____ of the waves.

- (a) synchronism and harmony of the sound

- (b) rise and fall
- (c) loudness
- (d) splendor (2 points)

18. 中譯文章中畫底線的敘述。(9 points)

III. Read the passages. Decide if the statements are true (T) or false (F). (20 points)

A.

Missing Hikers Found in Alaska

Two women missing in Denali National Park were found Wednesday and reunited with worried family members, six days after heading off on what they thought would be an overnight hike. A helicopter picked them up just outside the park about an hour after one of the hikers made a second cell phone call to her mother, park spokeswoman Kris Fister said. Erica Nelson, 23, of Las Vegas, and Abby Flantz, 25, of Gaylord, Minn., were taken to park headquarters, where family members were waiting. Anchorage television station KTUU showed the pair laughing with family members and eating large, overstuffed deli sandwiches as they walked to a waiting ambulance.

The women told KTUU they got lost and kept hiking. "The terrain was a lot harder than we thought it would be, and it was farther than we thought it would be," Flantz said. Nelson helped keep her spirits up, she said. "I thought everything was going to be fine, stay positive," Nelson said. The women slept at night in a tent and hiked during the day. At times, they melted snow to get water. They had no food when they were found.

When the women did not show up for work Saturday at Denali Princess Wilderness Lodge, a hotel outside the park, they were reported overdue and a search of a 100-square-mile area began.

Ellane Nelson received an initial cell phone call from her daughter at 9:15 a.m. Wednesday as she listened to park officials give a briefing on the search. Park officials had reported the women were not carrying a cell phone, but caller ID indicated it was from the missing hiker. Nelson answered the phone and heard her daughter say she and Flantz were alive and well. The cell phone's battery was weak, but park officials were able to locate the signal coming from the eastern section of the area they had been searching for more than four days. The agency dispatched two helicopters to pick the women up, but hours later the two women had not been found.

A park plane spotted the pair at 4:22 p.m. and a helicopter was sent to pick them up.

(c) AFP 07/11/2008

- 19. ___ The park officials were searching for the women for a week.
- 20. ___ Erica Nelson made two phone calls to her mother.
- 21. ___ The women were not carrying a cell phone.
- 22. ___ The two lost women were finally spotted from a helicopter.
- 23. ___ Erica was more "positive".

B.

Hybrid Vehicles

A hybrid vehicle is a vehicle which uses two or more kinds of propulsion. Most hybrid vehicles use a conventional gasoline engine as well as an electric motor to provide power to the vehicle. These are usually called hybrid-electric-vehicles, or HEVs. Hybrids use two types of propulsion in order to use gasoline more efficiently than conventional vehicles do. Most hybrid vehicles use the gasoline engine as a generator which sends power to the electric motor. The electric motor then powers the car. In conventional vehicles, the gasoline engine powers the vehicle directly.

Since the main purpose of using a hybrid system is to efficiently use resources, most hybrid vehicles also use other efficient systems. Most hybrid vehicles have regenerative braking systems. In conventional vehicles, the gasoline engine powers the brakes, and the energy used in braking is lost. In regenerative braking systems, the energy lost in braking is sent back into the electrical battery for use in powering the vehicle. Some hybrid vehicles use periodic engine shutoff as a gas-saving feature. When the vehicle is in idle, the engine temporarily turns off. When the vehicle is put back in gear, the engine comes back on. Some hybrids use tires made of a stiff material which rolls easily and prevents drag on the vehicle.

Hybrid vehicles save up to 30% of the fuel used in conventional vehicles. Since hybrid vehicles use less gasoline, the cost of operating them is less than the cost of operating conventional vehicles. Therefore, hybrid vehicles are gaining in popularity. According to a recent study, over the five years it typically takes for a person to pay for a car, a typical hybrid car driver would save over \$6,000 in gasoline costs. Almost all the world's major automakers are planning and producing safe and comfortable hybrid vehicles to meet the demand for these increasingly popular vehicles.

Although hybrid vehicles do represent a marked improvement in environmentally conscious engineering, there still remains one significant potential drawback: battery disposal.

Batteries are difficult to dispose of in an environmentally safe manner. To properly dispose of the battery in a hybrid car requires substantial effort. If the battery is not disposed of properly, the environmental impact of a hybrid car can be equal, if not greater than, that of a regular gas only car.

Since hybrid vehicles use less gasoline than conventional vehicles, they put fewer emissions into the atmosphere than conventional vehicles do. As hybrids become more popular, conventional vehicles are being used less, and the level of emissions being put into the air is decreasing. Hybrid vehicles are an example of an energy-efficient technology that is good for both consumers and the environment.

- 24. ___ Approximately 30% of vehicles on the road are hybrid vehicles.
- 25. ___ Some HEVs have engines which turn off when the vehicle is not moving.
- 26. ___ According to the passage, HEVs use two types of propulsion mainly in order to use gasoline efficiently.
- 27. ___ In line 9, *regenerative* most closely means second-generation.
- 28. ___ In the context of the passage, conventional vehicles are faster than hybrid vehicles, but hybrid vehicles are better for the environment than conventional vehicles.

IV. Translate the following sentences into Chinese. (30 points)

29. These experimental values agree well with the theoretical results.
30. When the supply of a product is low yet demand is high, then the price will be high.
31. The present study enhances the previous studies' findings by providing a much more detailed examination of the two hypotheses.
32. No matter what situation you find yourself in, your attitude can make all the difference.
33. Bicyclists can traverse a network of interconnected cycle routes that snake across two thousand miles.