

說明：一、請一律以「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。
二、考生應在答案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。
三、答案卷以每人一張為限，不得要求增補；試題與答案卷必須繳回，不得攜出試場。

I. Vocabulary: Choose the answer that best completes the sentence. (20%)

- Most people can make plan well but sometimes they lack the ability to _____ it.
(A) instrument (B) take part (C) charge (D) implement
- Due to the _____ demand for 2G mobile phones, companies will no longer manufacture them.
(A) increasing (B) surprising (C) dwindling (D) haggling
- Taipei and Kaohsiung have signed a _____ agreement that citizens can use their own MRT cards in either city.
(A) responsible (B) reciprocal (C) repatriate (D) recollect
- Each occupation has its own _____; doctors, lawyers and computer professionals, for example, all use among themselves language which outsiders have difficulty understanding.
(A) merit (B) disadvantage (C) reward (D) jargon
- Because of Peter's diabetes, he has to constantly monitor his _____ level.
(A) blood (B) bone density (C) glucose (D) salt
- Long exposure to second-hand smoke can be _____ to anyone, particularly those who have never smoked before.
(A) detrimental (B) sentimental (C) meticulous (D) redundant
- The teacher blames the student of _____ because his essay was so similar to that of another student.
(A) procrastination (B) plagiarism (C) patronization (D) plausibility
- There were mounting medical bills for his mother, who was _____ ill.
(A) benignly (B) persistently (C) chronically (D) characteristically
- Many people at that time believed that spices help preserve food; however, scientist later found that many marketed spices were _____ bacteria, mold, and yeasts.
(A) devoid (B) teeming with (C) improved by (D) active against
- Sewing is not my specialty because it requires too much _____.
(A) interest (B) experience (C) feature (D) dexterity

II. Cloze: Choose the answer that best fill in the blank (10%)

China is a country that is in a 11 of smog, and the government is trying to relieve its citizens by buying new 12 of energy. 13, the country uses coal, but the government wants to replace it with cleaner fuels, such as natural gas. Many American firms are intent on entering this giant market, with companies like BP already signing \$20 billion 14 to send liquefied natural gas to China beginning in 2019. So many of these western companies want to 15 on this new market due to such great possibilities of financial gains.

11. (A) smidge (B) bin (C) haze (D) jaunt
12. (A) sectors (B) sources (C) allowances (D) ingredients
13. (A) Firmly (B) Preferably (C) Predominantly (D) Vehemently
14. (A) scenarios (B) waivers (C) memorandum (D) profit
15. (A) subsidize (B) capitalize (C) negotiate (D) sponsor

III. Grammar: Choose the answer that best completes the sentence. (20%)

16. It is believed _____ causes sleep problem. So it's better not to drink coffee before going to bed.
(A) too much caffeine which (B) that too much caffeine
(C) it is too much caffeine (D) too much caffeine
17. The weather is not stable, take an umbrella with you lest it _____ rain.
(A) should (B) would (C) did (D) might
18. A biologist does not merely describe organisms, but tries to learn _____ act as they do.
(A) what causes them to (B) causes them to what (C) what causes the (D) which causes the
19. Lisa's family can't afford the piano lessons _____ on the other hand, the teacher said she has lots of talent.
(A) and (B) therefore (C) yet (D) thus
20. Only by showing your sincerity _____ the confidence of your friends.
(A) you can win (B) can you win (C) you will win (D) you win
21. "Do you read many books?" "Yes, _____,"
(A) very little (B) quite a few (C) just a little (D) very few of them
22. I believe that someone _____ into the house while she was out shopping in the mall.
(A) has broken (B) must have broken (C) would have broken (D) can have broken
23. The ostrich is _____ of all living birds
(A) the largest (B) the largest that is (C) largest (D) larger than
24. It is not the words that matter _____ the way you say them.
(A) too much as (B) as far as (C) not as much as (D) so much as
25. Tom really _____ of playing video game. He practiced it every day.
(A) get a foot (B) get a kick (C) get a hand (D) get a piece

IV: Reading Comprehension: Choose the best answer based on the passage. (30%)

Passage 1

Different colors can affect us in many different ways; that's according to Verity Allen. In her new series 'Color me Healthy', Verity looks at the ways that colors can influence how hard we work and the choices we make. They can even change our emotions and even influence how healthy we are.

'Have you ever noticed how people always use the same colors for the same things?' says Verity. 'Our toothpaste is always white or blue or maybe red. It's never green. Why not? For some reason we think that blue and white is clean, while we think of green products as being a bit disgusting. It's the same for businesses. We respect a company which writes its name in blue or black, but we don't respect one that uses pink or orange. People who design new products can use these ideas to influence what we buy.'

During this four-part series, Verity studies eight different colors, two colors in each program. She meets people who work in all aspects of the color industry, from people who design food packets, to people who name the colors of lipsticks. Some of the people she meets clearly have very little scientific knowledge to support their ideas, such as the American 'Color Doctor' who believes that serious diseases can be cured by the use of colored lights. However, she also interviews real scientists who are studying the effects of green and red lights on mice, with some surprising results.

Overall, it's an interesting show, and anyone who watches it will probably find out something new. But because Verity goes out of her way to be polite to everyone she meets on the series, it's up to the viewers to make their own decisions about how much they should believe.

26. What is the writer doing in this text?

- (A) Giving information about how colors influence us. (B) Reporting what happens in a new television series.
(C) Giving information about a television presenter (D) Giving his opinion of a recent television show.

27. According to Verity, why is a knowledge of color important?

- (A) It can help you to choose the best products. (B) It can give you new ideas
(C) It can help you to change people's minds. (D) It can help you to sell products.

28. Which of the following would make a good title for the text?

- (A) Enjoy it, but don't believe everything. (B) Another great show from Verity Allen! Five Stars!
(C) Don't miss this if you work in Business! (D) Watch this program! It will make you healthy!

29. Who does the writer respect least?

- (A) Verity Allen (B) The people who name lipsticks.
(C) The Color Doctor (D) The scientists who work with mice

30. According to "Color Me Healthy", which of the following statement is not true?

- (A) Colors are very important in our life.
(B) Green products are usually disliked by people.
(C) Blue is the favorite color for everybody.
(D) Pink and orange are not popular for business.

Passage 2

Leading investors have joined the growing chorus of concern about governments and companies rushing into producing biofuels as a solution for global warming, saying that many involved in the sector could be jeopardizing future profits if they do not consider the long-term impact of what they are doing carefully.

It is essential to build sustainability criteria into the supply chain of any green fuel project in order to ensure that there is no adverse effect on the surrounding environment and social structures. The report produced by the investors expresses concern that many companies may not be fully aware of the potential pitfalls in the biofuel sector.

Production of corn and soy beans has increased dramatically in the last years as an eco-friendly alternative to fossil fuels but environmental and human rights campaigners are worried that this will lead to destruction of rain forests. Food prices could also go up as there is increased competition for crops as both foodstuffs and sources of fuel. Last week, the UN warned that biofuels could have dangerous side effects and said that steps need to be taken to make sure that land converted to grow biofuels does not damage the environment or cause civil unrest. There is already great concern about palm oil, which is used in many foods in addition to being an important biofuel, as rain forests are being cleared in some countries and people driven from their homes to create palm oil plantations.

An analyst and author of the investors' report says that biofuels are not a cure for climate change but they can play their part as long as governments and companies manage the social and environmental impacts thoroughly. There should also be greater measure taken to increase efficiency and to reduce demand.

31. Why do investors worry about the increasing production of biofuels?
- (A) It might endanger future profits. (B) It will lead to environmental problems.
(C) It costs more money to grow them. (D) It diminishes the demand for soy bean.
32. Based on the passage, what is the positive consequence of growing biofuels?
- (A) Rain forest will be preserved. (B) It can replace the use of fossil fuels.
(C) People are forced to leave their homes. (D) Food prices can go down.
33. What would be a good title for this passage?
- (A) The Advantage of Biofuels (B) The Pros and Cons of Biofuels
(C) Biofuels and the Environment (D) The Risks of Biofuels
34. What can be concluded from the passage?
- (A) More measures and criteria are needed to decide the impact of biofuels.
(B) Investors are hopeful for the prospect of biofuels.
(C) Biofuels will be the dominant energy source compared to soy beans and corns.
(D) Palm oil is not a satisfying source of biofuel.
35. Based on the passage, which of the following statements is not true?
- (A) There are some pitfalls in the investment of growing biofuels.
(B) The expansion of producing biofuels does not guarantee good profit.
(C) Growing biofuels can cause social problems.
(D). Biofuels is not an eco-friendly energy source.

V: Essay Writing: (20%)

Please write a well-organized essay in at least 200 words on the topic **Given Unlimited Resources, What Scientific or Medical Problem Would you Investigate?** You should include your reason, its significance and the impact you wish to achieve.