

國立彰化高級中學 111 學年度科學班特色招生甄選入學【英文科】試題

一、詞彙 (10%)

1. Many teenagers today want to be YouTubers, but most parents fear for their future income and _____ of this career choice.
(A) disappear (B) disapprove (C) discover (D) discuss
2. People should be careful when they post their _____ or make comments on social media. They may face legal problems if they say anything to attack or insult others.
(A) advertisements (B) commands (C) directions (D) opinions
3. For families that need to dry their _____ but don't have a dryer at home, they can use the coin-operated dryer at a nearby coin wash.
(A) cabinet (B) furniture (C) laundry (D) steam
4. For the past few days, the _____ between Russia and Ukraine has been all over the news. Most countries side with Ukraine and offer help.
(A) conflict (B) connection (C) conversation (D) culture
5. Some young girls want to look _____ like the models in magazines and lose weight in unhealthy ways like taking diet pills or have zero carbs.
(A) chubby (B) ordinary (C) overweight (D) slender
6. Memories of time spent with dear family and friends will always be one's most precious _____.
(A) topic (B) trade (C) treasure (D) tradition
7. In the musical *Cats*, all the cat _____ sing about their stories to win the chance to be reborn to a new life.
(A) captains (B) characters (C) coaches (D) customers
8. In the future, people may be able to use virtual reality technology to _____ with each other in the metaverse in the form of digital selves.
(A) argue (B) compare (C) debate (D) interact
9. Under the new law, drunk drivers will face harsher _____ and the name and photo of repeat offenders who are caught twice within 10 years will be published.
(A) pattern (B) pressure (C) production (D) punishment
10. According to a survey, Food Panda was the most used food _____ app here in Taiwan.
(A) delivery (B) display (C) link (D) support

二、克漏字 (10%)

第 11 至 15 題為題組

During the past winter months, the most popular item that helps people stay warm is no longer the hand warmer or heater. 11, it is the product with the miracle material: graphene. Known 12 the king of black technology in the 21st century, it is believed that graphene will become 13 common 13 plastic in a few years. Then what exactly is graphene?

Graphene was found in 2004 by two British scientists. It is one million times thinner than a human hair and 200 times stronger than steel. Besides, it is 14 the most powerful conductor of heat and electricity in the world. With these strengths, researchers are looking to apply it to various fields like battery and computer chip technologies. Perhaps in the near future, there will be a new 15 revolution when graphene can be mass-produced at low costs.

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|---------------------|-------------------|--------------------|--------------|
| 11. (A) As a result | (B) In particular | (C) In other words | (D) Instead |
| 12. (A) as | (B) by | (C) for | (D) to |
| 13. (A) such, as | (B) so, as | (C) as, as | (D) too, for |
| 14. (A) admired | (B) considered | (C) depended | (D) focused |
| 15. (A) industrial | (B) independent | (C) necessary | (D) standard |

第 16 至 20 題為題組

After Oscar Award winning *Parasite*, South Korean culture has taken the world by storm again, this time with its thriller series: *Squid Game*. Similar to *Parasite*, *Squid Game* also looks at the issue of wealth gap in Korean society. In the story, a group of billionaires 16 watching 456 people playing a series of six deadly children's games. Whoever 17 the six games will receive prize money worth 45.6 billion Korean won. These people are eager to become the final winner because they are all deeply in debt. 18, if they lose, they will die. The drama gets its title from the name of the final game.

Squid Game has become one of the most-watched non-English original series streaming on Netflix globally. Some fans are 19 crazy about the drama 19 they even post photos or videos of themselves wearing costumes playing the same games like the “Red Light, Green Light” game and the honeycomb cookie. The good news is, for viewers who can't 20 to have enough of the drama, the creator is working on season 2.

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|------------------------|------------------------|----------------------|-------------------|
| 16. (A) feel sorry for | (B) make fun of | (C) take pleasure in | (D) watch out for |
| 17. (A) survives | (B) succeeds | (C) solves | (D) strikes |
| 18. (A) By the way | (B) However | (C) In the end | (D) Fortunately |
| 19. (A) both, and | (B) not only, but also | (C) so, that | (D) whether, or |
| 20. (A) accept | (B) desire | (C) refuse | (D) seem |

三、文意選填 (10%)(無需考慮大小寫)

Keeping animals for meat has always been attacked by environmentalists. It not only causes them great pain but 21 the environment greatly. Research has shown that there are more greenhouse gases from animal agriculture than from all of the world's transportation systems combined. 22, there has been a global trend 23 vegan meat, which is more eco-friendly. As a matter of fact, several companies have successfully developed meat that is 24 made of plant-based ingredients 25 any single animal being killed. The more exciting news is 26 the Israeli firm Redefine Meat already 27 out its own 3D printed vegan steaks. Last November, 50 chefs, restaurant owners and food critics were invited to taste 3D printed steaks, and most of them were surprised by the 28 of the product. Although the vegan steak is now only 29 in Israel, the UK, and the Netherlands, the day 30 it reaches the whole world shall come soon.

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|----------------|----------------|-------------|-------------|--------------|
| (A) entirely | (B) rolled | (C) affects | (D) when | (E) without |
| (AB) therefore | (AC) available | (AD) that | (AE) toward | (BC) quality |

四、閱讀測驗 (20%)

第 31 至 33 題為題組

In recent years, the cinnamon roll has swept across the island. With the unique appearance of the spirals of a snail shell and a warm spicy cinnamon filling, it has made its way into cafes and bakeries satisfying people who love sweets.

As the name suggests, the cinnamon roll is a pastry made from a rolled sheet of yeasty dough with sweetened cinnamon filling. A popular sweet snack of different types in Northern Europe and North America, the cinnamon roll is originally a classic at Swedish coffee breaks, or *fika*, a get-together with friends. The Swedes love cinnamon rolls to such a degree that each Swede eats 316 cinnamon rolls every year. Believe it or not, they even created a holiday for it. Back in 1999, the Home Baking Council invented a holiday called Cinnamon Roll Day to celebrate the Swedish home baking tradition as well as its 40th anniversary. Every year on October 4th, the Swedes celebrate by making cinnamon rolls at home or enjoying them at cafes and restaurants.

31. What is the passage mainly about?

- (A) Why Cinnamon Roll Day was invented.
- (B) Where cinnamon rolls can be found.
- (C) When cinnamon rolls were first created.
- (D) How much cinnamon rolls are loved.

32. Which of the following statements is true about Cinnamon Roll Day?

- (A) People all over the world enjoy cinnamon rolls on this day.
- (B) It was created to promote the sales of cinnamon rolls.
- (C) It was first celebrated over two decades ago.
- (D) It was created to celebrate the Swedish baking history.

33. Which of the following is **NOT** mentioned in the passage?
- (A) The other types of cinnamon rolls found in different places.
 - (B) The average number of cinnamon rolls Swedes have per year.
 - (C) The reasons for creating a special holiday for cinnamon rolls.
 - (D) The ingredients that are used to make cinnamon rolls.

第 34 至 37 題為題組

As Earth's climate has warmed, extreme weather events have happened more frequently and hit the world harder. Over the past few months, there have been several devastating natural disasters such as severe flooding in Brazil, heavy snowfall in the US, and wildfires in Argentina, to name but a few.

To combat climate change, a Silicon Valley company, Miles, launched a universal free rewards app called Miles in 2018. Before the Miles app, people could only earn reward miles by flying with specific airlines or paying with co-branded credit cards. Now with Miles that can track users' daily movement, no matter where they go, users can earn miles, or the app's version of points, simply by traveling on land, like walking, running, biking, and riding public transportation. The more eco-friendly their travel is, the more miles users can get. According to the app description, for example, users can get double miles for carpooling, triple for using transits, five times for biking and ten times for walking or running! Then users can exchange the earned miles for rewards instantly or later, online or at a physical shop. The rewards can be gift cards and discounts from Miles partners, such as Amazon.com and Disney Plus. Better yet, they can be donated to charities.

Many city governments are now looking to promote the Miles app locally and promote sustainable modes of transportation. Hopefully, the extra bonus will be enough of an **incentive** to get more people to change their daily travel habits and contribute to the fight.

34. What is the passage mainly about?
- (A) A rewards app that encourages users to travel more.
 - (B) A new tracking device in mobile technology.
 - (C) A promotion of a change to a healthier lifestyle.
 - (D) A green app that helps protect the environment.
35. Which of the following statements is true about Miles?
- (A) It works with other businesses to offer various rewards.
 - (B) Users have to pay for downloading the service app.
 - (C) The earned miles can be exchanged for cash.
 - (D) The app miles users get equal to the actual miles they travel.
36. Which of the following is **NOT** mentioned as way to earn miles?
- (A) Riding the MRT.
 - (B) Driving a car.
 - (C) Taking a ship.
 - (D) Going jogging.

37. Which of the following is closest in meaning to “**incentive**” in the last paragraph?

- (A) Goal. (B) Encouragement. (C) Prize. (D) Policy.

第 38 至 40 題為題組

Have you ever been "shocked" when you touched a doorknob or a water fountain? Or have you ever heard the cracking sound when you are changing clothes? Well, that's the work of static electricity.

To explain how static electricity happens, let's take a look at atoms first. Everything in the world is made up of atoms. They are so tiny that we can't see them with our eyes except with a special microscope. Each tiny atom is made up of even tinier things: neutrons (with no charge), protons (with a positive charge) and electrons (with a negative charge). An atom normally has equal numbers of electrons and protons. When two objects come into contact with each other, the electrons move from one object to another. Then one object will have more positive charges and the other more negative ones. Static electricity is created when positive and negative charges aren't balanced. Then when the object with more electrons come into contact with the object with more protons, the excess electrons will be attracted and the flow creates the shock. Just like magnets, objects with different charges will attract each other and those with similar charges will push away from each other.

Static electricity is everywhere around us. When you have a bad hair day with your hair sticking straight up, it's your hair charged with static electricity. Also, lightning is formed when there are charge imbalances between storm clouds and the ground, or within the clouds themselves. Static electricity is not always annoying or dangerous, though. It can actually be very helpful in our everyday life. For example, it is applied in printers, photocopiers and dust removal.

Now that you know the science behind it, don't get shocked when electrons jump around!

38. What is the passage mainly about?

- (A) The scientific experiment with static electricity.
(B) The serious health problem of getting electric shocks.
(C) The scientific principle of static electricity.
(D) The uses of static electricity in everyday life.

39. Which of the following statements is true?

- (A) Lightning is formed when charges are pushing away from each other.
(B) People can get electric shocks when electrons leap between two objects.
(C) Electricity is created when atoms move from one object to another.
(D) When positive charges and negative ones are equal, they will push each other away.

40. Which of the following is **NOT** mentioned in the passage?

- (A) The examples of electric shocks. (B) The applications of static electricity.
(C) The cause of static electricity. (D) The danger of getting electric shocks.