

市立新北高工 111 學年度第 2 學期開學考試題										班別		座號		電腦卡作答
科 目	英文	命題 教師	溫雅君	審題 教師	鄭秀梅	年級	三	科別	應用 英語科	姓名				是

一、單字選擇，請依句意填入正確的英文單字：(10 題，每題 3 分，共 30 分)

A. exceeds	B. penetrated	C. differentiate	D. considerably	E. exceptional
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- () 1. These trees can withstand the typhoon because their roots have _____ deep into the soil beneath the forest floor.
- () 2. It seems that poor families tend to have more children, who _____ add to their financial burden and make them even poorer.
- () 3. It is a basic economic principle that when supply _____ demand for a product or service, its price falls.
- () 4. The athlete won a gold medal after displaying her _____ ice skating skills at the Olympic Games.
- () 5. To Gregory, East Asian people look so much alike that it is difficult for him to _____ between a Chinese person and a Japanese person.

A. substantial	B. allergy	C. induce	D. unethical	E. torment
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- () 6. Overtourism occurs when a _____ number of visitors flock to a destination and cause negative effects on that place.
- () 7. The mother cried out in _____ when she learned that her only son had been killed in the car accident.
- () 8. In order to _____ interest in readers, some newspapers put sensational headlines on their front pages.
- () 9. It is _____ for a manufacturer to use ingredients that are harmful to health in its food products.
- () 10. Poor air quality is one reason why some people suffer from a nasal _____.

二、文法選擇：(5 題，每題 2 分，共 10 分)

- () 11. The Roman god Hercules was considered _____ the strength of 10 men.
(A) to possess (B) possess (C) possessing (D) possessed
- () 12. The amusement park has a lot of fun rides, _____ are free of charge.
(A) some of them (B) some of which (C) and some of it (D) and some of which
- () 13. Elephants drink a lot of water every day; in fact, an elephant consumes _____ water that a horse does.
(A) five times as many as (B) the five times as many as
(C) five times the amount of (D) the five times amount of
- () 14. April 12, 1961, was the day when a brave young Russian cosmonaut _____ Yuri Gagarin climbed into the *Vostok 1* spacecraft and was launched into space from a lonely area of Kazakhstan.
(A) who named (B) naming (C) whose name (D) named
- () 15. The students made _____ great progress that the teacher rewarded them by taking them on a trip.
(A) very (B) too (C) such (D) so

三、綜合測驗：(15 題，每題 2 分，共 30 分)

A recent study has found that Facebook is the social media platform responsible for spreading the most fake news. Facebook users must therefore be careful lest they 16. swayed by false information. Many think that the spread of fake news is key to 17. people's political views. However, the researchers revealed that it's quite difficult to make a voter change their mind 18. who they plan to vote for just through fake news.

According to the report 19. after the study, in the build-up to the 2016 US presidential election, almost half of all US voters visited fake news sites. Thankfully, this high volume did not seem to decrease people's desire to also seek out news from more 20. sources. However, the report contained one alarming finding about the period 21. the election. On average, people tended to spend more time reading 22. is from untrustworthy websites, compared with articles from reliable sources.

The researchers also reminded people to 23. that further studies are required. Only by conducting more research 24. this subject can we determine how much fake news influences public opinion. Nevertheless, 25. is clear is that during that period, numerous fake news articles were spread through Facebook and thus were available to millions. It seems the platform has a lot to answer for.

- () 16. (A) were (B) will be (C) are (D) be
- () 17. (A) influencing (B) influence (C) influences (D) influenced
- () 18. (A) barring (B) during (C) regarding (D) including

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- () 19. (A) illustrated (B) published (C) beloved (D) defined
- () 20. (A) deceiving (B) hostile (C) credible (D) diligent
- () 21. (A) in front of (B) prior to (C) due to (D) in spite of
- () 22. (A) however (B) whoever (C) whenever (D) whatever
- () 23. (A) make a difference (B) take for granted (C) stand to reason (D) keep in mind
- () 24. (A) on (B) for (C) in (D) with
- () 25. (A) this (B) that (C) what (D) it

An old saying goes, “As the rich get richer, the poor get poorer.” Sadly, recent data released by the charity Oxfam International confirms this is actually the case.

Oxfam has published a report stating around 263 million people are at risk of falling below the poverty line—the minimum amount of money available to spend on one's daily living expenses. 26, this is calculated to be 1.9 USD per day.

While the number of poor people in the world keeps increasing, so many new additions to their growing ranks go beyond what experts were predicting. Adding them to those already 27 to survive brings the total to nearly a billion people.

Why the sudden jump in the number of poor people? According to Oxfam, much 28 falls on COVID19, which caused prices of food and basic goods to shoot up rapidly since the winter of 2019. Meanwhile, many 29 unable to work due to businesses closing or government orders to stay locked down at home.

While people in white-collar jobs can work from home thanks to internet access, the same cannot be said for the blue-collar ones. Many families who were just barely scraping by before the COVID19 pandemic have been reduced to relying on charities.

Not surprisingly, based on a report from Oxfam, sub-Saharan African countries have been hit hardest, with people now 30 almost up to 40% of their income on food. Also, as violence rages, the poor keep suffering. The war in Ukraine is making the situation even worse, pushing food prices upward further.

- () 26. (A) Currently (B) Apparently (C) Definitely (D) Occasionally
- () 27. (A) struggle (B) struggled (C) struggling (D) be struggled
- () 28. (A) work (B) blame (C) labor (D) money
- () 29. (A) must be (B) said to be (C) used to be (D) have been
- () 30. (A) spend (B) spending (C) are spending (D) have been spending

四、克漏字選填：(5 題，每題 2 分，共 10 分)

Located on the Pacific Ring of Fire, Taiwan and its residents are certainly no strangers when it comes to earthquakes, with the island having experienced its fair share of both major and minor temblors over the years. Yet, it had long been commonly accepted wisdom that Taiwan no longer had much—if any—volcanic 31.

To be sure, fumaroles, which are natural vents in the earth's surface, and 32 springs, which contain geothermally heated groundwater, can be found around Taiwan, and in particular in northern Taiwan's Yangmingshan National Park. Most scientists, however, believed that this geothermal activity was just a remnant of the past. And with no record of any volcanic eruptions in Taiwan's recent history, the lion's share of Taiwan's volcanoes were believed to be either dormant or 33.

So, you can imagine the surprise—and shock—when a Taiwanese scientist named Lin ChengHorng published a paper that suggested there might be an 34 magma chamber beneath the Datun Volcano Group in Yangmingshan National Park. This news was particularly troubling to many, since Taipei and its millions of residents are just 15 kilometers from what was now believed to be an active volcano.

Taiwan's national and local government officials immediately sprang into action, working handinhand with scientists like Lin to study this volcano further and set up earlywarning monitoring systems. The Yangmingshan Seismic Network, for example, has been established to connect more than 40 monitoring stations around the park. In addition, Taipei also had its first “volcano drill” in 2018, in order to prepare 35 services and the city's citizens in case an evacuation was ever needed.

Although it seems unlikely that Datun will erupt in the near future, it seems wise to heed this old saying—it is better to be safe than sorry.

(A) hot	(B) active	(C) extinct	(D) activity	(E) emergency
31. _____	32. _____	33. _____	34. _____	35. _____

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五、閱讀測驗：(10 題，每題 2 分，共 20 分)

As Parkinson's disease attacks the central nervous system (CNS), nerve cells in the brain stop functioning normally. When the cells that control production of a chemical messenger called dopamine no longer do their job, a person may shake uncontrollably. The severe shaking, especially in the hands, may prevent individuals from performing daily tasks like using a computer, shaving, and even eating.

Besides this constant shaking, decreased dopamine levels can also cause other serious problems for people suffering from Parkinson's. They are often unable to sleep well and are less mobile. Some lose the ability to walk even short distances and are instead limited to using wheelchairs or staying in bed all the time.

Parkinson's is a genetic disease, meaning it is passed between generations within families. It usually occurs when people are in their fifties and sixties. There is no cure, at present.

There is new hope for a better life, however, offered by two new medical studies. One found that performing an operation on the spine of a person with symptoms similar to Parkinson's improved the person's ability to walk. An implant made this possible. The other discovered an automatic pump could maintain a steady supply of a drug that performs the same function as dopamine. This allowed test subjects with Parkinson's to sleep through the night without being interrupted by their uncontrolled shaking.

The authors of both studies say more research is needed on larger samples to confirm the results. Even so, Parkinson's patients have reason to be optimistic.

- () 36. What is the second paragraph mainly about?
- (A) When people can improve their mobility with careful treatment.
 (B) Why the disease can be passed down from generation to generation.
 (C) How patients react to the increasing amount of dopamine in the brain.
 (D) What symptoms might appear after suffering from Parkinson's disease.
- () 37. According to the passage, which of the following is true about Parkinson's disease?
- (A) Patients have difficulty having a sound sleep at night.
 (B) Serious shaking usually occurs in the patients' early sixties.
 (C) The disease is not that easy to be inherited from the families.
 (D) Losing the ability to walk is what every patient must undergo.
- () 38. What does the author probably suggest by saying "Even so, Parkinson's patients have reason to be optimistic." in the last paragraph?
- (A) It is more likely for the patients to find further treatments.
 (B) More large-scale trials have been conducted in recent years.
 (C) Researchers now start to perform surgery to help the patients.
 (D) Parkinson's disease can be completely controlled by the medicine.
- () 39. According to the passage, which of the following comparisons between the two treatments is **NOT** true?

	Treatment 1	Treatment 2
(A) How do the doctors treat the patients?	Undergoing an operation on the spine.	Injecting a supply of a drug.
(B) What are the requirements?	An Implant.	An automatic pump.
(C) Why can the treatment take effect?	It is similar to another treatment for the spine.	The drug functions as dopamine.
(D) Which symptoms can be improved?	The ability to walk.	Uncontrolled shaking.

Have you noticed that prices seem to be rising lately? For example, you may have gone to your favorite café and discovered that your favorite drink is now NT\$130, instead of NT\$100, as it used to be. The drink is the same size, the flavor is still the same, but the price the café is now charging for it has increased.

Don't be too hard on the café owners, though, since they are also facing rising costs themselves, from everything from coffee to electricity. Unfortunately, many of us in Taiwan and in other countries around the world are now experiencing what economists call "inflation."

Generally speaking, inflation takes place when the prices of a large quantity of goods and services increase. This does not just mean one or two items, but rather a large collection of things that are often needed in today's modern world, including staples like fuel, electricity,

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and food.

Most people do not like inflation, since it means that the money they have today can buy less than it used to before. In other words, with inflation, they are paying more for things, but getting less for their money. At the same time, inflation decreases the value of a currency and erodes the purchasing power of people's savings.

As might be imagined, governments keep a close eye on inflation, and in Taiwan, the central bank has raised its key interest rate by 0.25 percentage points to 1.375 percent. This move is seen as an attempt to fight against the rising inflation that Taiwan is currently experiencing.

However, with the Russian invasion of Ukraine continuing to cause fuel and commodity prices to skyrocket worldwide, Taiwan's central bank will likely have to raise interest rates again this year, in order to try to keep inflation under control.

- () 40. What is the third paragraph mainly about?
- (A) When inflation occurs and its impacts. (B) How to prevent inflation from taking place.
(C) Examples of countries plagued by inflation. (D) Several factors resulting in serious inflation.
- () 41. What can we infer from the last paragraph?
- (A) In many countries, inflation is on the edge of going out of control.
(B) After invading Ukraine, Russia might attack another country soon.
(C) The interest rates in Taiwan are very likely to go up in the near future.
(D) The prices of fuel and commodity may remain stable after several months.
- () 42. 請從下列(A)到(E)中，選出與inflation「無關」的選項。(多選題)
- (A) The value of a currency decreases.
(B) The flavors of drinks remain the same.
(C) The prices of many things keep rising.
(D) Money can buy less than it used to before.
(E) Central banks intend to reduce interest rates.

The young students of Manly West Public School in Sydney, Australia, were excited to take part in creating a "black snake," also known as a sugar snake or fire snake. This is a common demonstration that mixes sugar, baking soda, and a fire accelerant together. When the mixture is lit on fire, it causes a chemical reaction that creates a long black cylinder, or "snake," to seemingly magically grow.

However, Manly West Public School is near the shore, where there are often strong winds. That day, the wind blew the materials around, causing terrible injuries during the experiment. Over ten people were sent to various hospitals with burns to their face, upper body, and legs. Thankfully, most of the students were not too badly hurt.

Various official organizations have **looked into** the situation, including the local Department of Education as well as SafeWork NSW, which is a government group that works to make sure everyone has a safe working environment.

It is hard to say who is at fault for this terrible accident. It would be easy to blame the teacher for performing an experiment like this outdoors on a windy day, but if it had been done before with no problems, the teacher might not have realized it could be so dangerous. Whatever the case, it is important to take steps to prevent this from happening again and to keep our children safe in school.

- () 43. What is the main purpose of this passage?
- (A) To describe an expected accident when doing an experiment.
(B) To show the specific chemicals needed for the "black snake."
(C) To state the importance of having a safe working environment.
(D) To point out the main cause of the serious fire of the scientific test.
- () 44. Which of the following about the experiment can be inferred from the passage?
- (A) It was wrongly done on a windy day. (B) It should be conducted outside the laboratory.
(C) It ended up causing several deaths and injuries. (D) It was sugar that produced the black cylinder.
- () 45. Which of the following pictures can be the experiment mentioned in the passage?

