

第一部分：選擇題(60分)

一、綜合測驗

說明：下面三篇短文共有 15 題，每篇各有 5 題，為第 1-15 題，每題 2 分，共 30 分，請依短文文意，選出一個最適合該空格的答案。

▲閱讀下文，回答第 1-5 題

The COVID-19 pandemic seems to have eased up for the time being. Over the past years, it has exerted destructive impacts on numerous aspects of our economy – the tourism industry in particular. Unable to 1, myriads of travel agencies, airline companies, and hotels cannot but close down. But now as the pandemic levels off and lockdown restrictions are lifted, Taiwanese people can eventually quench their long thirst for outbound travel.

2 it is foreseeable that Taiwanese people will flock to trip abroad after the borders are unlocked, they may alter their original mode of traveling, too. Based on the big data analysis of e-commerce travel agency Klook, Taiwanese tourists are behaving differently from the way they did prior to the pandemic. First of all, an increasing number of people tend to stay longer once they go abroad. The increase of travel costs and the procedure 3 for disease prevention drive them to extend the days in a foreign country so as to dig deeper into their destination and have more fun. In addition, many people are opting for self-serviced tours for fear of crowd gathering and contagion. Setting out with a few family members or friends, they can not only arrange a(n) 4 but also drive an automobile instead of taking public transportation. Nonetheless, the statistics also indicate that independent travel loses much of its appeal to single people, with the popularity rate dropping from 79% to 30%. This suggests another concept reform caused by the pandemic: Before COVID-19, people went on an exotic journey to explore the 5 or venture themselves. After COVID-19, people choose to share voyages with their beloved.

1. (A) attain a consensus (B) cast a spell (C) follow the fashion (D) weather the storm
2. (A) If (B) Since (C) Unless (D) While
3. (A) requiring (B) required (C) that requires (D) which required
4. (A) annual income (B) cultural taboo (C) flexible itinerary (D) online scam
5. (A) accused (B) forbidden (C) privileged (D) unknown

▲閱讀下文，回答第 6-10 題

The COVID-19 pandemic had made almost all cinemas worldwide go out of business. 6, the release of a motion picture at the end of 2021 turned the tables. It is *Spider-Man: No Way Home*. Widely acknowledged as a milestone in what's called "Marvel's cinematic universe" (MCU), the movie successfully lured moviegoers back to theaters. Armed with brilliant commercial campaigns and perfect concealment of the content, fans dashed to feed their curiosity upon its debut 7 they should be "spoiled," or say, revealed some crucial plots. Not only did the blockbuster "swing" into one of the highest box-office grosses of all time, but it also topped the rank among all the movies in the post-pandemic era.

What makes this seemingly just another work of the common “sci-fi hero” genre an exceptional hit? It is attributed 8 to cutting-edge sensory effects 8 to the “multi-universe” concept. As the last episode of the MCU’s *Spider-Man* trilogy, *No Way Home* takes the initiative to integrate the “Spider-Men” and classic villains from two previous series. This marks a historic overview of all the *Spider-Man* movies since 2002, when the first one starring Tobey Maguire made its debut. Many audiences could not help exclaiming in surprise while seeing the other two Spider-Men from different universes took off their masks. At that moment, plenty of memories poured into the minds of the old fans. More than a feast on their eyes, *No Way Home* arouses those shared sweet memories. It is also amusing for them to see the three main characters, 9 in personality traits, backgrounds, and even ages, team up to send the villains back to their own world.

Following this both commercial and critical success, the filmmaker, Sony Pictures Entertainment Inc., is going on to expand the “Sony’s Spider-Man Universe” to make more stories associated with *Spider-Man*. 10 the release of *Mobius* in 2022, fans can anticipate a lot more such as *Kraven the Hunter* and *Madame Web* for the years to come. Ultimately, they will be led into an enormous web of Spider-Man tales in which all that they expect to see is woven together.

6. (A) Beforehand (B) Consequently (C) Nevertheless (D) Otherwise
7. (A) as if (B) in case (C) only if (D) so that
8. (A) more; than (B) neither; nor (C) not so much; as (D) rather; than
9. (A) distinct (B) fluent (C) polite (D) severe
10. (A) Apart from (B) But for (C) Prior to (D) Not until

▲閱讀下文，回答第 11-15 題

The mass production and heavy use of plastic is one major cause of the ecological crisis. As the United Nations estimates, humans 11 8.3 billion tons of plastic waste since the 1950s. However, only 9% of it is recycled whereas a large portion is still flowing in the oceans. In light of this worsening eco-disaster, more and more people wonder whether there are other environmentally friendlier substitutes for plastic that can 12 completely on their own. And this is where “green design” finds its niche.

In fact, an authentic case of green design is underway in southern Taiwan. In Qishan, a town in Kaohsiung City boasting rich banana yields, scientists and designers are collecting banana stems from local farmers after the fruit is harvested. From the stems, they are extracting a fiber similar to plastic as the raw material for some artistic products. Seeing that plastic is ever-present in our daily life, Dot Design, a studio expert in visual and product design, does research on other 13 and finds the answer in the household fruit, bananas; banana fibers have been proven more effective in reducing heat transfer than ordinary fabrics. This discovery may save tons of banana stems from being dumped in the landfill because of their abnormally tough texture. Rather, they are expected to 14 many duties that used to be performed by plastic and thus lessen people’s reliance on plastic.

Besides banana fibers, other similar commodities have also hit the market in Taiwan, including straws made from recycled sugarcanes, clothes from eco-friendly leathers, etc. All of these efforts serve as a faithful 15 of how we Taiwanese people cleverly actualize environmental sustainability while engaging in local revitalization projects. It is by practicing the 3Rs – reducing, recycling, and reusing – that we are showing concern for our own environment. In a future when industrial development and respect for nature can co-exist in harmony, Taiwan will become a paradise where plastic is rarely seen.

11. (A) produced (B) are producing (C) have produced (D) would produce
 12. (A) decompose (B) explode (C) heal (D) separate
 13. (A) documents (B) organizations (C) substances (D) threats
 14. (A) give in (B) pass on (C) result from (D) take on
 15. (A) productivity (B) reflection (C) stereotype (D) terminal

二、閱讀測驗

說明：下面三篇短文共有 15 題，每篇各有 5 題，為第 16-30 題，每題 2 分，共 30 分，請閱讀短文後，選出最適當的答案。

▲閱讀下文，回答第 16-20 題

The world's largest nuclear facility is in progress. When the sun we know is rising and brightening the globe, in Vinon-sur-Verdon in Southern France, another sun is also at work. Being constructed by thousands of human workers, it will become the biggest fusion reactor on completion. This is the International Thermonuclear Experimental Reactor (ITER) project, a joint effort by 35 countries including the US, Russia, Mainland China, India, Japan, South Korea, and so on. Involving thousands of engineers and scientists, it is one of the most ambitious scientific projects in the world since 1985. The goal of the project is to reproduce nuclear fusion – a process active inside the sun and other stars. If this proves successful, an immense source of “natural” power can be generated and utilized on the Earth. Theoretically, ITER will produce fusion energy ten times as hot as the sun in an experimental machine called “tokamak” (a toroidal device). Inside the vessel, the energy from automatic fusion is absorbed in the walls. Then, the output heat will be stored in the two-layered magnetic coils that are made of niobium-tin and niobium-titanium. No different from traditional power plants, the fusion one will also harness the heat to power up turbines or generators to produce steam and then electricity. Once in operation, the device is expected to be the first to sustain fusion power for an extended period of time and signal an end to the use of fossil fuels.

The worldwide consumption of energy has doubled for the past fifty years. It will have tripled by the end of this century. Of all carbon dioxide emissions, 70% are derived from our energy usage. Unfortunately, our dependence on fossil fuels still accounts for as much as 80% of the total energy usage. The European Union (EU) has been committed to producing more than half of electricity through renewable sources by 2030. By 2050, the EU aims to build up a carbon-free society. To this end, it reaches out for alternative sources of energy with the belief that nuclear fusion may hold the key to the world's energy demand. If pollutants from fossil fuels can be replaced on a global scale, climate change will slow down.

But at this point, some technological limitations remain to be overcome. For instance, ITER will not perform plasma experiments as scheduled now that the facilities needed won't be fully developed and operated until 2035. So all that one can believe is slow and steady wins the race.

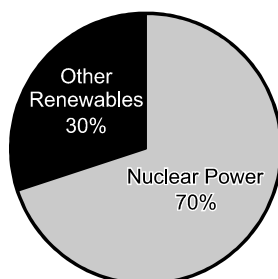
16. What is the purpose of the passage?
 (A) To compare the natural sun and an artificial one
 (B) To foretell fossil-fuel emissions in the future
 (C) To introduce a breakthrough in energy making
 (D) To promote the building of nuclear power plants
17. According to the passage, which of the following descriptions about the ITER project is **NOT** true?
 (A) It aims to transmit the sun's nuclear fusion to the Earth.
 (B) It imitates the way the sun generates power.
 (C) It is a transnational enterprise located in France.
 (D) It marks a major scientific breakthrough for the past decades.

18. According to the passage, in what way is the ITER's power plant similar to traditional ones?

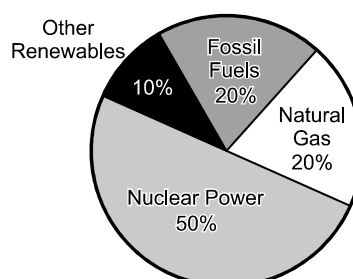
- (A) It depends on turbines to transform energy into electricity.
- (B) It holds produced power for a short period of time.
- (C) It is estimated to generate equal amounts of electricity.
- (D) Its "tokamak" machine is powered by fossil fuels.

19. Which of the following pie charts illustrates the goal of the European Union by 2050?

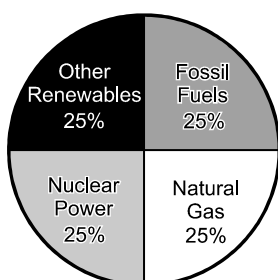
(A)



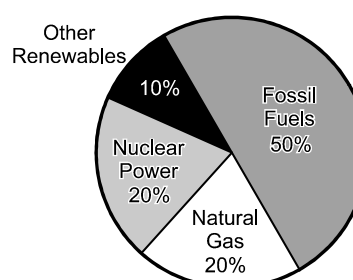
(B)



(C)



(D)



20. What can be inferred about the ITER project from the passage?

- (A) It will be the safest and cleanest power plant ever.
- (B) It will not be completed without certain technology.
- (C) It will replace most of the existing power plants by 2035.
- (D) It will supply electricity to the whole world.

▲閱讀下文，回答第 21-25 題

What will lead technological industry into the next golden age? When Mark Zuckerberg, the founder of the Facebook, announced to rename the social networking company as "Meta" in October 2021, "metaverse" became an extremely popular entry on Google Search overnight. What is the metaverse?

Actually, this term dates back to 1992, when the American novelist Neal Stephenson coined metaverse, a combination of "meta" and "universe," in his book *Snow Crash* to depict a futuristic virtual world in his imagination. The metaverse remains a thing in the future and thus vague in definition, but in a broad sense, it is believed to be a social network of 3D virtual world to which people are allowed access through digital devices like VR or AR headsets, smartphones, personal computers, and consoles. It will be a "decentralized" cyberspace without a common institution to regulate its operation. In other words, companies and individuals are free to manage their own space in the metaverse. With the features of data persistence and synchronization, everything happens in the metaverse will also be real and exert permanent influence. In this visually abundant and splendid virtual space, users can practice almost all kinds of daily routines, including work, social interaction, shopping, entertainment, to name a few. Imagine there is another you in another world, where you create your own "avatar," that is, a representation of your entity to coexist with others and even to manage digital assets of your own.

Far from a brand-new idea, why isn't the metaverse all the rage until recent years? According to EventX, a software corporation specialized in event management, the metaverse is becoming a reality thanks to three contributing factors. First, some technologies indispensable to the metaverse such as wearable gadgets have been growing mature. For example, the VR headset immerses wearers in a sensory experience as if they were genuinely part of the virtuality. The AR headset projects a virtual world on its screen, which is integrated into the reality of wearers. The second is the wide spread of "the blockchain." The blockchain is the establishment and storage of huge data transactions via coding technology, which makes things **insusceptible** to change, hacker attacks, and leakage. Therefore, almost everything of value such as cryptocurrencies (e.g., Bitcoin and Ethereum) can be tracked and traded safely through the blockchain. Last but not least, COVID-19 is, too, a boost for the metaverse's expansion. The pandemic promotes people's demand for remote work at home and causes a surge of interaction in the virtual world.

But much is still left to be desired before the metaverse reaches extensive applications in the following decades. Issues ranging from online scams and harassment, tracking of personal privacies such as eye movements and facial expressions to mental illnesses associated with long stay in the virtual world have triggered much concern among experts.

21. What is the passage mainly concerned with?
 (A) A bestselling sci-fi novel (B) A new game of virtual reality
 (C) A potential trend of digital technology (D) A universe parallel to ours
22. According to the passage, which of the following situations best illustrates "data persistence and synchronization" of the metaverse?
 (A) Users delete their traces in the metaverse.
 (B) Users enter the metaverse with their real identity.
 (C) Users exchange their avatar with others.
 (D) Users own real estate in the metaverse.
23. According to the passage, which of the following is **NOT** a factor contributing to the growth of the metaverse?
 (A) The advancement of wearable gears (B) The demand of working from home
 (C) The elevation of Internet security (D) The improvement of the supply chain
24. Which of the following words is closest in meaning to "**insusceptible**" in the third paragraph?
 (A) defensible (B) immoral (C) relevant (D) suspicious
25. Why does the author mention eye movements and facial expressions in the last paragraph?
 (A) They are an avenue to tracking online scams.
 (B) They are likely access to individual data in the metaverse.
 (C) They hold the key to the further development of the metaverse.
 (D) They inspire the invention of better wearable headsets.

▲閱讀下文，回答第 26-30 題

"The Citizen Judges Act" takes effect on January 1, 2023. Afterward, laypeople without legal backgrounds are invited to participate in judging criminal trials. Below are several key points of the act excerpted from the official website of Judicial Yuan (<https://www.judicial.gov.tw/en/cp-1601-157742-8ac3-2.html>).

①	Selection of citizens: The act adopts the jury system of the U.K. and the U.S., selecting citizen judges at random for each case to ensure that the public can participate in the legal procedure.
②	Type of criminal trials: Citizen judges may take part in cases with the minimal punishment no less than ten-year imprisonment and cases involving offenses that are intended to cause the death of victims. They will not engage in teenagers' criminal and drug cases.

③	Scope of participation: Referring to the modes in Europe and Japan, the act involves citizens in the procedures for deciding offenses and sentences that concern the public to achieve in-depth public participation.
④	Participation rights: Citizens have the same authority and rights as judges during the trials except for other regulations.
⑤	Model of participation: Participating citizens can talk over their doubts with judges. Through direct dialogues between citizens and judges over the cases, the gap between professional perspectives into judicial trials and the public's sense of justice can be bridged. Moreover, judgments are settled based on two thirds of the viewpoints from six citizens and three judges to attain the equality of both sides.
⑥	Others: Regulations are precisely established to govern the protection of personal information, travel expenses, official leaves, and rights and interests of civil participation in the trials. Simplified versions of written judgements, the appeal system, and regular reviews executed by the evaluation committee are also in place to set up a long-term system of civil participation in criminal trials.

Release Date: Jan. 22, 2020 Update: Sep. 14, 2021

Figure 1. Introduction to Civil Participation in Criminal Trials

Read the figure below for more information regarding civil participation in criminal trials.

Trial
• Sitting with the judges at the law counter, participating throughout the judgement process
Interrogation
• Interrogating or inquiring the defendants, victims, witnesses, and expert witnesses
Conviction
• Declaring the accused guilty or not and his/her deserved sentence with the judges
Measurement of penalty
• Deciding on the severity of the criminal's punishment with the judges

Figure 2. _____

26. According to the website, which judicial system does the Citizen Judges Act **NOT** refer to?
 (A) Australia (B) Japan (C) the U.K. (D) the U.S.
27. According to the website, which of the following cases would involve citizen judges?
 (A) A reckless driver who causes a pedestrian's death by accident
 (B) A serial killer of innocent people on the streets
 (C) A suspect involved in smuggling drugs
 (D) A teenage bully associated with the victim's suicide
28. According to the passage, which of the following statements about the citizen judge system is **NOT** true?
 (A) Citizen judges can help decide how a criminal has to pay for his or her wrongdoing.
 (B) It calls for at least six judicial members to determine whether a suspect is guilty.
 (C) Nine judges, professionals and citizens in total, collaborate to judge severe cases.
 (D) Professional judges and citizen judges cannot exchange viewpoints during the trial.
29. Andrew is invited to participate in a criminal trial as a citizen judge. He wonders whether he can have a day off work for it without losing his salary. In which part of Figure 1 can he find the information he needs?
 (A) ③ (B) ④ (C) ⑤ (D) ⑥
30. Which of the following is the best heading for Figure 2?
 (A) *Benefits of Being Citizen Judges* (B) *Obligations of Citizen Judges*
 (C) *Qualifications for Citizen Judges* (D) *Recruitment of Citizen Judges*

第二部分：非選擇題(40 分)

一、翻譯測驗(第 1-4 題，每題 4 分，共 16 分)

(一) 中譯英(8 分)

說明：請將以下短文中劃底線處之中文句子譯成正確、通順、達意的英文，並將答案寫在「答案卷」上。請依序作答。每題 4 分，共 8 分。

法國凱布朗利博物館(Musée du quai Branly – Jacques Chirac, Paris)於 2018 年推出「亞洲的地獄與幽魂」(Ghosts and Hells: The Underworld in Asian Art)展覽，呈現亞洲人對鬼魂、幽靈與死亡的恐懼和想像。(1) 此展覽一在臺南美術館(Tainan Art Museum)舉辦之時，就吸引前所未見的觀看熱潮。在展館裡可以看到亞洲各國不同的傳奇鬼怪和地獄觀念。(2) 臺灣的版本也以本地的藝術作品為特色，增添了臺灣人對此主題的獨特角度。雖然有人認為美術館不該陳列嚇人的作品，許多人已從中獲得感官的滿足。

(二) 英譯中(8 分)

說明：請將以下短文中劃底線處之英文句子譯成正確、通順、達意的中文，並將答案寫在「答案卷」上。請依序作答。每題 4 分，共 8 分。

In recent years, food manufacturers, social media, and influencers are devoted to promoting the plant-based food they produce or endorse in response to the public's change of dieting habits. (3) An increasing population is avoiding eating meat for the sake of their own health, the sustainable environment, and the welfare of animals. As far as one's well-being is concerned, consuming less meat is certainly a good choice. Yet according to a study published by *EAT-Lancet Commission on Food, Plant, and Health*, pushing the dietary practice to an extreme will bring about opposite effects. (4) As suggested by the research, an appropriate diet is supposedly composed of most plant-based food and a moderate dose of meat, fish, and dairy products. It is because many people would embrace artificial meat made of plants, much of which is, in essence, intricately processed food products with few nutrients left in the process.

二、寫作測驗(24 分)

說明：請依提示在「答案卷」上寫一篇約 120 字的英文短文。

提示：(1) 剛大學畢業成為社會新鮮人的你，滿懷創業的夢想卻欠缺資金，想到透過在社群媒體上張貼文章的方式向網友募款。請寫一篇貼文，文分二段，第一段表明你的目的和想要開創的事業，第二段說明你將如何規劃募集的資金與預期達到的效果。

(2) 網路貼文的上下款應依下列格式寫出，並將寫信的對象與作者謄寫至答案卷上。

To whom it may concern,

Truly yours,
Tina Huang

【以下空白】