

請畫卡 科目代碼: 02

壹、選擇題

一、核心字彙:請忽略大小寫，單複數及動詞時態: 20% (一題 2 分)

(A) disturb	(B) basis	(C) illustration	(D) sensitive	(E) creature
(AB) increasingly	(AC) influence	(AD) revise	(AE) spark	(BC) strip

1. The baby is _____ to sounds. He cries loudly whenever the loud music is played.
2. Seeing the swimming pool, the boys couldn't wait to _____ off their clothes to jump into the water.
3. You shouldn't _____ your father because he is trying to sleep.
4. What you eat _____ your body, so you should choose healthy food.
5. The actress _____ a new trend when she dyed her hair blue.
6. You don't need to write a new essay ; just _____ the old one.
7. The child could read, but he enjoyed looking at the _____ in the book.
8. On the _____ of his phone's poor performance, Jim decided to switch brands.
9. With the soaring rise of housing prices, young people are finding it _____ difficult to buy homes.
10. Blue whales are the largest _____ ever to have lived.

二、單字選擇: 18% (一題 1.5 分)

- () 11. With the _____ of the final exam, the students are getting nervous and making use of every minute to review their notes.
(A) incident (B) annoyance (C) approach (D) curiosity
- () 12. The northern _____ of the country are usually windy and snowy in winter.
(A) regions (B) purposes (C) ceremonies (D) defenses
- () 13. Amy's parents strictly _____ her from playing online games on weekdays.
(A) strengthened (B) educated (C) requested (D) forbade
- () 14. Mrs. Lee has been the school's _____ for ten years, and she always sees students' needs as her primary concern.
(A) protein (B) bully (C) creature (D) principal
- () 15. It really _____ Mrs. Donald when her children mess up the living room.
(A) defends (B) annoys (C) teases (D) influences
- () 16. Peter _____ to his group members for being careless and not responsible all the time.
(A) bothered (B) whispered (C) apologized (D) bullied
- () 17. Tina didn't _____ ignore your birthday. She has been busy with a project and simply forgot.
(A) increasingly (B) significantly (C) continuously (D) purposely
- () 18. When Joel had a heart operation, it was a very young doctor who performed the _____.
(A) cruelty (B) surgery (C) control (D) comment
- () 19. Thanks to the vet's intensive attention, the panda made a full _____ from his injuries.
(A) stare (B) policy (C) recovery (D) sauce
- () 20. Mike's parents _____ believed in him even though he was suspected of theft by the police.
(A) absolutely (B) digitally (C) gradually (D) namely
- () 21. The opening _____ at the Olympics ended with a beautiful fireworks display.
(A) behavior (B) champion (C) surgery (D) ceremony

- () 22. A giant statue will be set up in the middle of this square in memory of the _____ judge who devoted her whole life to bringing justice to members of all social classes.
(A) continuous (B) honorable (C) educational (D) rude

三、文法選擇：18% (一題 1.5 分)

- () 23. The driver _____ traffic rules was putting himself and others in danger.
(A) did not follow (B) who following (C) not followed (D) not following
- () 24. Kavalan whisky, _____ in Yilan, is exported all around the world.
(A) to produce (B) produced (C) producing (D) which ^{produce}~~produces~~
- () 25. Josh was caught cheating on his girlfriend. It seemed that he had difficulty _____ back his girlfriend's heart.
(A) to win (B) win (C) winning (D) for winning
- () 26. Flora walked into the classroom and found that the students were messing around. Some were drawing graffiti on the blackboard, some were chasing one another, and _____ were jumping up and down like monkeys.
(A) the others (B) another (C) others (D) some
- () 27. After her training, the exhausted player fell asleep with her mouth _____.
(A) opened (B) opening (C) open (D) to open
- () 28. The teacher divided the class into three groups and assigned a different task to each group. One group had to clean the windows. _____ had to mop the floor. And _____ had to throw out the garbage.
(A) Another; still another (B) Another; the other (C) Others; still others (D) One; another
- () 29. When seeing the messing room, Mark's mom shouted at him with her arms _____.
(A) crossing (B) crossed (C) to cross (D) cross
- () 30. The dancer danced _____ gracefully _____ we couldn't take our eyes off her.
(A) such ; that (B) too ; to (C) enough ; to (D) so ; that
- () 31. When Crystal saw the big spider, she was scared and wanted to get away _____ it.
(A) with (B) without (C) from (D) above
- () 32. _____ was due to the severe earthquake that almost all the buildings in the town collapsed.
(A) What (B) It (C) Whom (D) That
- () 33. When she got home, she found that someone _____ into her house.
(A) broke (B) has broken (C) is breaking (D) had broken
- () 34. Standing on the top of the mountain, I came to realize _____.
(A) how amazing it was (B) it was how amazing
(C) how it was amazing (D) how amazing was it

四、克漏字選擇：21% (一題 1.5 分)

Malala Yousafzai is a young woman from Pakistan who has become a global symbol to fight for girls' education. Malala grew up in a place (35) _____ girls were not treated equally. Fortunately, she kept schooling because of her father's encouragement. (36) _____ this, She began writing blogs for the BBC about life under Taliban rule. Her outspokenness angered the Taliban. On October 9, 2012, they (37) _____ their threat, and Malala was shot by two gunmen (38) _____ masks on her way home from school. Miraculously, Malala survived and was flown to Britain for

treatment. Her story attracted worldwide attention and inspired over two million supporters to (39) girls' right to education in Pakistan. As a result, the Pakistani government was forced to ensure equal educational rights for boys (40) girls (40). The Malala Fund was founded to help empower girls globally through education. Malala won the Nobel Peace Prize in 2014, (41) the youngest person ever to receive this honor. Malala once said that education is the most powerful weapon and that one child, one teacher, one book, and one pen can change the world.

- () 35. (A) who (B) when (C) where (D) what
 () 36. (A) In case of (B) Apart from (C) Compared with (D) Regardless of
 () 37. (A) put aside (B) took away (C) took notice of (D) carried out
 () 38. (A) wearing (B) to wear (C) worn (D) wore
 () 39. (A) crop up (B) make peace (C) call for (D) carry through
 () 40. (A) either; or (B) and ; alike (C) neither; nor (D) and ; both
 () 41. (A) become (B) becoming (C) became (D) to become

The first months of school were tough. Because of his face filled with scars, Auggie was laughed at by many students. He never felt like he would (42). However, he found comfort in Halloween (43) he could wear a mask and blend in. He wore a Bleeding Scream costume and walked through the halls of the school, not (44) who saw him. However, his good mood faded when he overheard his good friend Jack (45) fun of him. (46) his stomach, Auggie ran home. The two boys didn't speak for a month. Finally, Jack said sorry, and they (47). Things were going fairly well (48) Auggie was picked on by some older kids during a class camping trip. They called him "alien." Jack assisted him. Even some of the mean kids in his class helped him. Back at school, things had changed.

- () 42. (A) pop up (B) break down (C) fit in (D) pass on
 () 43. (A) where (B) , which (C) , when (D) which
 () 44. (A) to care (B) cared (C) care (D) caring
 () 45. (A) made (B) making (C) makes (D) to make
 () 46. (A) Compared with (B) Filled with (C) About to (D) Sick to
 () 47. (A) fit in (B) made peace (C) sprang into action (D) spoke out
 () 48. (A) for (B) until (C) while (D) after

五、篇章結構：6%（一題1.5分）：請將以下適當的選項(A)~(E)填入空格中

- (A) However, the company faces ongoing challenges in adopting a different system of employee management.
 (B) This means they need to follow the law and the company's regulations, and keep accurate business records.
 (C) What makes 3M such a special company is its core values.
 (D) First, the employees are expected to treat one another fairly and with respect.
 (E) Most importantly, all these principles have shaped 3M into a place that provides a positive and equal working environment for its employees.

3M is an international company that produces a wide variety of products, from office supplies to cleaning tools and even medical masks. Over the years, 3M has earned a reputation for integrity* and has been recognized as one of the most ethical* companies in the world. (49) Published on the company's website, these core concepts include "Be Good, Be Honest, Be Loyal, Be Respectful, Be Accurate, Be Fair." Regarding these ideas as the basic principles in work, 3M expects its employees to keep them in mind and practice them. (50) Unfair treatment or discrimination* is not allowed in the workplace. Second, they should make the company's products with care. Last but not least, employees at 3M must do business honestly. (51) By holding onto these values, 3M can make

every employee in the company work toward the same goal. __ (52) __ After all, a good working environment leads to more successful products and thus happier customers, and finally a successful company. The way 3M represents its core values shows how values can shape a company's culture and make it impressive.

註：integrity 正直 ethical 合乎道德的 discrimination 歧視

(49) _____ (50) _____ (51) _____ (52) _____

六、閱讀測驗：6% (一題 2 分)

A new trend has recently **gone viral**—using AI tools like OpenAI's ChatGPT to turn photos into cartoon or animation-style images. Millions of people are sharing their AI-generated art on social media, finding it a fun and easy way to be creative. This trend is making digital art more accessible than ever before.

OpenAI's CEO Sam Altman supports the rise of AI in art, saying it encourages creativity and makes art open to everyone. However, he also warns about the need for ethical use. In contrast, Japanese animation legend Hayao Miyazaki is more skeptical. He believes AI cannot capture the emotional depth and skill found in traditional, human-created art.

People have mixed feelings. Some enjoy using AI to explore new artistic styles. Others worry that it may reduce appreciation for traditional art and raise concerns about originality and copyright. In conclusion, the AI art trend offers exciting creative chances but also sparks debate. As AI continues to develop, it's important to find a balance—welcoming new tools while still respecting human creativity and traditional craftsmanship.

() 53. What is one reason why some people support the trend of using AI to create cartoon-style images?

(A) It helps improve traditional painting skills.

(B) It makes artistic expression more accessible to everyone.

(C) It replaces the need for human artists.

(D) It prevents copyright problems in art.

() 54. Based on the article, what can we infer about Hayao Miyazaki's opinion on AI-generated art?

(A) He believes AI will improve traditional animation techniques.

(B) He thinks AI should replace human artists.

(C) He wants AI art to become a school subject.

(D) He doubts AI can fully capture human emotions and craftsmanship.

() 55. What does the phrase “go viral” in the passage most likely mean?

(A) To be deleted from the internet

(B) To get sick from a virus

(C) To become very popular and spread quickly online

(D) To be shared only with close friends

班級： _____ 姓名： _____ 座號： _____

貳、非選擇題

一、單字及片語填空： 11%

請根據提示將適當的單字寫在下方表格中，**注意時態**，**請繳回整張卷**

Jake and Lily decided to explore the mountains in search of hidden treasure. The trail was (1)s_____, but they (2)p_____ to be brave and (3)c_____ climbing higher. Suddenly, they heard a deafening boom—a small cave nearby (4)b_____ (5)u_____! Rocks flew everywhere. Lily got trapped behind some fallen branches and couldn't move. Just in time, Jake came to her (6)r_____ and pulled her out. She was shaking with fear. Jake (7)g_____ cared and tried to comfort her. "We should go back," he said, trying to (8)p_____ her. But Lily refused. "No—we're close. I can feel it. The treasure must be (9)a_____ the (10)c_____." A few minutes later, they found a strange stone with markings. They (11)e_____ a new plan to follow the clues, ready to face whatever came next.

Jake 和 Lily 決定去山裡探險，尋找傳說中的寶藏。這條路很**可怕**，但他們**假裝**勇敢，**繼續**往山上爬。突然，他們聽到震耳欲聾的巨響——附近的一個小洞穴**爆炸**了！石頭四處飛濺。Lily 被倒下的樹枝卡住，動彈不得。就在千鈞一髮之際，Jake 立刻衝過去**拯救**她，把她拉了出來。她嚇得發抖。Jake **真正地**關心並試著安慰她。「我們應該回去，」他試圖**說服**她。但 Lily 搖搖頭說：「不，我能感覺到，我們快到了。寶藏應該**就在前方不遠處**。」幾分鐘後，他們發現了一塊刻有符號的奇怪石頭。他們重新**建立了**計畫，準備繼續追尋線索，迎接接下來的挑戰。

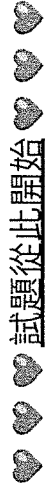
作答區： 11% (一格 1 分)

(1)	(2)	(3)	(4)
(5)	(6)	(7)	(8)
(9)	(10)	(11)	

班級: _____ 座號: _____ 姓名: _____

電腦讀卡代碼: 02

答案卡上的班級、座號、姓名務必填寫劃記清楚，若因劃記不清、錯漏而致機器掃描無法辨識答案，後果由考生自行承擔。



第壹部分、選擇題 (占 8 2 分)

一、詞彙題 (占 2 0 分)

1. I just met my idol on the street and got his _____.
(A) autograph (B) grave (C) mineral (D) fossil
2. I feel _____ for all the victims who lost their homes in the earthquake.
(A) privacy (B) sympathy (C) luxury (D) recovery
3. The basketball _____ off the floor and hit the window.
(A) frowned (B) crept (C) winked (D) bounced
4. I am going to the bank this afternoon to _____ some money.
(A) reflect (B) forbid (C) withdraw (D) stab
5. If you eat too much fried food, your blood _____ may be blocked.
(A) virtues (B) vessels (C) telescopes (D) hives
6. Kevin finally _____ his fear of cats by getting a part-time job in a pet store.
(A) arched (B) conquered (C) countered (D) enforced
7. The runner is feeling breathless, and he begins to _____ behind the others.
(A) lag (B) blossom (C) yawn (D) dispute
8. The pan was _____ after Sally fried an egg and bacon in it.
(A) agreeable (B) greasy (C) keen (D) singular
9. Cockroaches are considered _____, but actually they are not harmful to humans.
(A) aspirins (B) blades (C) pests (D) merits
10. By a(n) _____ of luck, Mia ran into an acquaintance when she got lost in a strange city.
(A) stroke (B) miner (C) era (D) frost

二、綜合測驗 (占 20 分)

第11至15題為題組

Lanyu is located 90 kilometers southeast of the main island of Taiwan. The island ____11__ the Tao, the people of flying fish. To the Tao, the flying fish ____12__ nature's greatest gift, and the heart of Tao culture is the flying fish season. Taking up around eight months of the year, ____13__ many customs. It begins with a ceremony ____14__ each boat captain prays to the gods to take him under their wings and give him good fortune. Between March and June, Tao fishermen only catch fish in shallow waters ____15__ allows the populations of deep-sea fish to soon recover. By following these rules, they live in harmony with nature and protect it. Clearly Tao customs show wisdom and respect for nature.

- | | | | |
|---------------------|------------------|---------------------|-----------------------|
| 11. (A) is known as | (B) is home to | (C) is situated on | (D) is blessed with |
| 12. (A) seem | (B) seem to have | (C) seem to be | (D) seem to have been |
| 13. (A) it involves | (B) involving | (C) and it involves | (D) and involving |
| 14. (A) in which | (B) that | (C) whom | (D) who |
| 15. (A) which | (B) , which | (C) where | (D) what |

第16至20題為題組

During World War II, the Nazis established the Warsaw Ghetto. Over 400,000 Jews were forced into this area, ____16__ died from starvation and disease. Then, the Nazis decided to send Jews to death camps. Since ____17__ by what was happening, a young woman named Irena Sendler began helping the Jews. She secretly took Jewish children out of the ghetto. Parents gave their children to her in hopes that these children could survive. Sadly, the rescue mission was not successful. ____18__ what Irena was doing, the Nazis arrested and tortured her. Later, she was rescued by her friends. ____19__, Irena Sendler is remembered for her selfless acts. ____20__, over 2,000 children would have died. Irena Sendler is a true hero.

- | | | | |
|-----------------------|-----------------------|------------------------|---------------------------|
| 16. (A) many of whom | (B) many of them | (C) none of them | (D) some of which |
| 17. (A) horrifying | (B) horrified | (C) having horrified | (D) she was horrified |
| 18. (A) To discover | (B) Being discovered | (C) Discovering | (D) Discovered |
| 19. (A) At a time | (B) By no means | (C) To this day | (D) From top to bottom |
| 20. (A) If she helped | (B) If she had helped | (C) If she didn't help | (D) If she had not helped |

三、文意選填 (占10分)

第21至30題為題組

The dabbawalas' way of working is interesting. They use smart planning and _____ 21 _____ to do their job well. In each area of Mumbai, around twenty five dabbawalas work together to collect about thirty lunch boxes from people's homes. They write special numbers and symbols on each box and _____ 22 _____ them onto trains for delivery. Dabbawalas ride trains and sort the boxes at each train station based on their _____ 23 _____. Each box changes hands about three times before it _____ 24 _____ the right person.

After lunch, dabbawalas _____ 25 _____ to pick up the empty lunch boxes from workplaces and bring them back to people's homes. Dabbawalas use smart tricks to _____ 26 _____ that lunches don't get lost or delivered to the wrong place. They do this by writing important numbers and colorful _____ 27 _____ on the lunch box lids to show where they must go. Dabbawalas use colors to _____ 28 _____ which station the boxes come from. Obviously, _____ 29 _____ these tricks, they deliver lunches almost perfectly. The dabbawalas' system is very good and many people _____ 30 _____ it. It's a great example of how teamwork can work well.

- | | | | | |
|------------|-----------|-------------|------------------|---------------|
| (A) admire | (B) load | (C) reaches | (D) destinations | (E) ensure |
| (AB) mark | (AC) with | (AD) signs | (AE) return | (BC) teamwork |

四、篇章結構 (占8分)

第31至34題為題組

Taiwan, an island nation in East Asia, boasts its diverse population, including several indigenous tribes that have preserved their cultural heritage throughout the centuries. The Bunun are one of Taiwan's indigenous tribes. _____ 31 _____ One of these is the ear-shooting festival. The festival is held each year in April or May. Its purpose is to pray for a good harvest and a successful hunt for the tribe. _____ 32 _____ The main focus of the festival is an arrow-shooting competition. In the past, shooting a deer's ear was considered something only the most skilled hunters could do. _____ 33 _____ Hence, the target is no longer a deer's ear. _____ 34 _____ The targets may have changed, but the festival remains just as important to the Bunun people as it has always been. The preservation of such festivals is vital to maintaining the unique cultural identity of indigenous peoples, while also providing insight into the rich and diverse traditions of Taiwan's history.

- (A) It is also a time to teach the tribe's young men and boys how to be good hunters.
- (B) Instead, the Bunun shoot at paper targets that are shaped like animals.
- (C) Like all other tribes in Taiwan, the Bunun have their own unique customs and traditions.
- (D) Though the name of the festival reflects this idea, hunting animals is much less common today.
- (E) For example, a lot of traditional foods are prepared and served during the festival, showcasing the rich culinary heritage of the Bunun people.

五、閱讀測驗（占24分）
第35至38題為題組

Are you feeling adventurous? Then spread your wings and travel 90 km southeast of Taiwan, where you'll discover a part of the country unlike any other. Known as Lanyu or Orchid Island, this tiny drop of earth in the Pacific is home to the Tao, Taiwan's only ocean-dependent indigenous tribe. The Tao people are the people of the "alibangbang," or flying fish, one of Mother Nature's greatest gifts. The annual flying fish season is at the heart of Tao culture and comes with many traditions and taboos.

Spanning around eight months of the year, the flying fish season involves multiple customs and rituals. A special religious ceremony, usually held in February, marks the beginning of this important period and ensures a prosperous and plentiful season. Tao boat captains head to the beach with elaborate costumes on. There, they pray and make sacrifices to appeal to the flying fish spirits to bless their tribe, and to the gods for good fortune and courage on the dangerous seas.

Although local fishers can catch flying fish between March and June, they are restricted to capturing only those found in shallow waters. During this period, netting any deep-sea or coral reef fish is not permitted. If the fishers didn't follow this rule, various species would not have the time needed to recover their numbers, and harmony with nature would be lost.

At the end of June, the annual sea harvest concludes with another ceremony to express gratitude and respect for nature's endless cycles. After the ceremony, flying fish can no longer be caught. Therefore, from July onward, only dried and stored alibangbang can be eaten. Furthermore, after the Mid-Autumn Festival, even these dried fish must no longer be consumed. **This** seems to have been engraved in the locals' hearts and is believed to prevent ill luck and guarantee abundance in seasons to come.

Just as the locals are concluding their scaly harvest for the year, scores of tourists begin arriving on Lanyu for the summer season. To make sure you don't feel like a fish out of water, here are some basic guidelines to help you enjoy your stay while respecting local traditions. First, it is considered a taboo to touch or photograph the Tao fishing boats without permission since it would bring bad luck. Also, you should never enter locals' private gardens uninvited to view or sample drying fish. Additionally, avoid asking about future fishing trips, as locals believe that the gods may be angered and that the harvest may be spoiled as a consequence. Finally, as a sign of respect for the local community and environment, don't snorkel or dive in the island's traditional fishing waters during the flying fish season. Such activities can disturb the local ecosystem.

The customs and taboos mentioned above reflect the importance of preserving and cherishing natural resources and local culture. The ancient wisdom of Lanyu's Tao inhabitants thus appears to give us much to learn about living in harmony with this planet. Everyone is, after all, in the same boat under nature's wing.

35. Which of the following is a picture of an alibangbang?

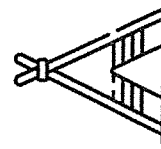
(A)



(B)



(C)



(D)



36. What does "**This**" in the fourth paragraph refer to?

(A) The annual sea harvest of flying fish.

(B) The ceremony held at the end of June to conclude the fishing season.

(C) The tradition of not consuming dried flying fish after the Mid-Autumn Festival.

(D) The practice of storing dried flying fish for later consumption.

37. What can be inferred about the Tao's relationship with their environment based on the taboos described here?

(A) They prioritize tourism over environmental preservation.

(B) They enforce taboos to limit the involvement of outsiders in fishing activities.

(C) They view their environment as a sacred being that requires respect and protection.

(D) They rely on taboos to maintain economic control over fishing resources.

38. What aspects of the flying fish season are discussed in **Paragraphs 2 to 5**?

(A) Spiritual beliefs → fish storage methods → tourist activities.

(B) Ceremonies → ecological impact → economic benefits.

(C) Traditions → fishing techniques → cultural taboos.

(D) Rituals → fishing restrictions → tourism guidelines.

第39至42題為題組

It was the early morning of October 20, 1943, and eleven German Gestapo agents had just burst through the front door of a Polish woman's apartment. They searched her home from top to bottom, tearing open every pillow and mattress. If they had entered just seconds earlier, they would have found the precious list before the woman slipped it to her friend. After three hours of searching, they gave up and arrested the woman. Knowing the list was safe, she breathed a sigh of relief.

The young lady was Irena Sendler, a compassionate social worker who lived in Warsaw, Poland. During World War II, the Nazis seized control of this city and announced the establishment of the Warsaw Ghetto. Over 400,000 Jews were herded into this area, and thousands of them were dying from starvation and disease every month. Horrified by these shocking conditions, Irena decided to join an underground resistance group and began helping to bring in food and medicine to the Jews secretly. However, she soon realized this would not be enough, as the ghetto was sealed and the Nazis had already started sending Jews to death camps.

Determined to help, Irena recruited her friends and colleagues for a risky mission: sneaking Jewish children out of the ghetto. To enter the isolated area, they managed to obtain official passes. Once inside, they faced an even bigger challenge: convincing Jewish parents to hand their children over to strangers. In the end, many parents made the heart-wrenching decision in hopes that their children could survive even if they themselves couldn't.

Hidden in everything from suitcases to flour sacks, the children were smuggled out in various ways. One ambulance driver even hid babies under stretchers and trained his dog to bark in order to drown out their cries. Irena and the other courageous people were risking their own lives. Once caught, these compassionate smugglers and their families would certainly face execution. After successfully escaping, the children were given new identities, complete with fake birth documents and family records. Some were taken in by kind and brave Polish families, while others were sent to orphanages or convents. Irena hoped that after the war the children could be reunited with their parents, so she kept detailed records. Her list included each child's real name, his or her new identity, location, and parents' names.

Unfortunately, at the height of this rescue operation, Irena was arrested for her underground work. Despite being brutally tortured, she refused to reveal any information. She chose to sacrifice her own life instead of putting the lives of others at risk. Eventually, Irena was rescued by her friends and continued to work to save Jewish children while living in hiding. If Irena and her friends had not helped, over 2,000 children would have ended up in the death camps.

To this day, Irena Sendler is still remembered for her selfless acts during the Holocaust. While she never admitted it, she was a true hero who risked her life to save others, and her story of bravery and compassion continues to inspire people all over the world.

39. How did the author use the description of the Gestapo's search in **Paragraph 1** to build suspense?

- (A) By detailing the precise methods the Gestapo used to search Irena's apartment, emphasizing their thoroughness.
- (B) By contrasting the Gestapo's aggressive search with Irena's calm behavior during her arrest.
- (C) By highlighting the close timing of Irena passing the list to her friend just before the Gestapo's arrival.
- (D) By focusing on the emotional chaos Irena experienced as the Gestapo tore apart her home.

40. Which set of words is used in the passage to refer to Irena Sendler?

- (A) Brave, cunning, secretive
- (B) Compassionate, courageous, selfless
- (C) Determined, cautious, timid
- (D) Heroic, brutal, strategic

41. What can be inferred about the moral dilemma faced by Irena and her team when convincing Jewish parents to hand over their children?

- (A) They struggled with the ethical implications of separating families, knowing family reunion was uncertain.
- (B) They were primarily concerned with the logistical challenges of smuggling children out undetected.
- (C) They believed the parents were making an informed choice based on detailed plans for the children's safety.
- (D) They prioritized their own safety over the emotional toll of persuading reluctant parents.

42. In what strategic methods did Irena and her team adopt during their rescue missions?

- a. Obtaining official passes to enter the ghetto
- b. Hiding children in suitcases and flour sacks
- c. Using an ambulance to conceal babies under stretchers
- d. Training a dog to bark to mask children's cries
- e. Providing fake birth documents for new identities
- f. Placing children with Polish families or in orphanages

- (A) a, b, c, d, e, f
- (B) a, b, c, e, f
- (C) b, c, d, e, f
- (D) a, c, d, e, f

Imagine a modern enterprise that executes around 400,000 transactions daily with an error rate of merely one in sixteen million. You might expect only highly advanced computers to be capable of such levels of accuracy, but actually, only simple tools like bicycles and colored pens are used. Furthermore, of this enterprise's 5,000 employees, 85% are illiterate! What company could this possibly be?

It's the Nutan Mumbai Tiffin Box Suppliers Association, a home-cooked lunch delivery organization situated in Mumbai, India. This company delivers around 200,000 home-made lunches daily to office and factory workers. Its success is due in large part to its employees, known as dabbawalas. A dabbawala, or "one who carries a box," picks up lunches from customers' homes and delivers these meals to their workplaces. Since most Mumbai residents live in the suburbs and have to commute long distances to work every day, it's inconvenient for them to carry their lunches on cramped public transportation. Therefore, dabbawalas provide a useful service by enabling workers to sit down to healthy, home-made midday meals in their offices.

The dabbawalas' delivery network has fascinated many people because it achieves a high level of efficiency through nothing but smart scheduling and teamwork. This is how it works: Each geographical area employs around twenty-five dabbawalas, each of whom collects roughly thirty tiffin boxes. These boxes are then swiftly sorted according to their general destinations before being loaded onto trains for delivery. Then, the dabbawalas board their trains and travel with the lunchboxes. At each destination train station, these boxes are sorted again. This time they are divided depending on the buildings or more specific locations to which they must go. **Not until this second round of sorting has been completed can each tiffin box be delivered to its rightful owner.** In the afternoon, the dabbawalas retrace their original routes in order to bring back each empty lunchbox to its owner's home.

In a massive system resembling a relay race, each tiffin box is handled by at least three dabbawalas between its owner's home and workplace. Many people are curious about how the Nutan team ensures that lunches are always delivered on time and don't accidentally get delivered to the wrong location. If dabbawalas did not employ some clever coding tricks, the tiffin boxes would likely get lost quite often. To be specific, dabbawalas avoid mix-ups by writing special numbers and characters on each container's lid to indicate the particular neighborhood, building, floor, and other delivery details. In addition, color schemes are used to show the train station of origin. Together, these tactics ensure accurate delivery to a high degree of success.

Because of the nearly flawless operating system of the dabbawalas, this food delivery service is recognized as a classic example of efficiency and teamwork. It has been studied by Harvard Business School and is greatly admired by the courier company FedEx. Without a doubt, the service performed by dabbawalas is a true model of excellence.

43. According to the passage, what is the primary reason the dabbawalas' service is valuable to Mumbai workers?

- (A) It provides employment opportunities for illiterate workers.
- (B) It reduces the need for workers to use public transportation.
- (C) It allows workers to enjoy home-cooked meals at their workplace.
- (D) It ensures workers have access to a variety of restaurant meals.

44. Here is a sentence: "**This not only supports workers' health but also strengthens the cultural value of home-cooked meals in Mumbai.**"

Which paragraph is most suitable to have it as the final sentence?

- (A) Paragraph 1.
- (B) Paragraph 2.
- (C) Paragraph 3.
- (D) Paragraph 4.

45. In **Paragraph 3**, what does the author mean by "Not until this second round of sorting has been completed can each tiffin box be delivered to its rightful owner"?

- (A) The tiffin boxes must first be sorted at each destination train station before being delivered to specific locations.
- (B) The dabbawalas need to ensure that all boxes are full before they can be delivered.
- (C) The lunchboxes are first collected from customers' homes before being delivered to their respective workplaces.
- (D) Each tiffin box must be sorted at the train station of origin to prevent mix-ups.

46. How does the author conclude the passage in the **last paragraph**?

- (A) By highlighting the high illiteracy rate among the dabbawalas.
- (B) By mentioning the total number of transactions done by the Nutan Mumbai Tiffin Box Suppliers Association.
- (C) By introducing the idea of advanced computers taking over the dabbawalas' jobs.
- (D) By expressing the author's admiration for the dabbawalas' error-free delivery system.

第貳部分、混合題 (占10分)
第47至50題為題組

Food delivery services let you enjoy restaurant meals at home. In the past, food delivery focused on offering many different types of food. Now, it's more about convenience for customers and being good for the environment. Also, some people worry about the problems with food delivery, like more waste and higher costs. Some people express concerns about the quality and freshness of the food upon delivery. What are your opinions? Feel free to share your ideas on this forum.

A. Amy
Food delivery platforms offer a wide range of restaurants, enabling me to easily try different cuisines.
B. Barry
In my opinion, delivery fees are rather high, making it a costly expense in the long term.
C. Claire
Sometimes, the food arrives not as hot as desired, affecting its taste.
D. Lapland
Delivery services are very convenient for busy professionals, helping them save time for dining out.
E. Emily
I am concerned that delivery drivers might violate traffic rules while rushing, causing safety worries.
F. Luke
The rating system on food delivery apps can assist in selecting trustworthy restaurants and delivery drivers.
G. Judy
Extensive use of plastic packaging for food deliveries has a negative effect on the environment.
H. Hank
During the COVID-19 pandemic, food delivery became an essential method for sustaining the food and beverage industry's operations.
I. Isa
Some restaurants serve smaller portions for delivery compared to dine-in, seeming not as cost-effective.
J. Jay
Well, I appreciate delivery drivers' dedication to delivering food to me.

47-48請根據選文內容，從文章中選出兩個單詞，分別填入下列句子空格，並視句型結構需要作適當的字形變化，使句子語意完整、語法正確，且符合全文文意。每格限填一個單詞(word)。(填充，4分)

Food delivery offers convenience and variety, with rating systems providing ___47___ in choosing reliable services. However, high fees, smaller portions, environmental concerns from plastic waste, and potential traffic rule ___48___ raise issues.

49.From (A) to (J) in the above forum discussion, which **ONES** highlight the advantages provided by food delivery services? (多選題，4分)

50.Which **phrase** on the forum discussion carries the meaning of “broad utilization or having widespread use”? (簡答題，2分)

第參部分、非選擇題 (占8分)
一、中譯英 (占8分)

- 1. 假如我上禮拜有聽同事無私且寶貴的勸告，當時就不會愚蠢地被地下組織誤導。
- 2. 無疑地，在往後每次交易前，我應該徹底檢查銀行帳戶而非將個人錢財置於危險之中。

♥♥♥ 試題到此結束 ♥♥♥

答題卷

班級： 座號： 姓名：

※請務必書寫考生資料。
※選擇題正確作答樣例：

A ☐ B ☐ C ☒ D ☐

第貳部分、混合題 (占 10 分)

題號	作答區
47	注意：1.應依據題號順序，於作答區內作答。2.除另有規定外，書寫時應由左至右橫式書寫。3.作答須清晰，若未依規定而導致答案難以辨識或評閱時，恐將影響成績。4.不得於作答區書寫姓名、應試號碼或無關之文字、圖案符號等。 【請用黑色墨水的筆作答】 _____
48	【請用黑色墨水的筆作答】 _____
49	【請用2B鉛筆作答】 A B C D E F G H I J ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
50	【請用黑色墨水的筆作答】 _____

第參部分、非選擇題 (占 8 分)

題號	作答區
一、中譯英	【請用黑色墨水的筆作答】
1.	_____

2.	_____

一、是非題：每題 2 分，共 10 分

- () 1. 無窮級數 $\sum_{n=1}^{\infty} \frac{1}{n}$ 為一收斂級數。
- () 2. 無窮等比級數 $\sum_{n=1}^{\infty} a_1 r^{n-1}$ 收斂時，其和 $\sum_{n=1}^{\infty} a_1 r^{n-1} = \frac{a_1}{1-r}$ 。
- () 3. 若函數 $y = f(x)$ 為可積分的奇函數，則 $\int_{-a}^a f(x) dx = 0$ (其中 $a \in \mathbb{R}$)。
- () 4. 若相異兩函數 $F_1(x), F_2(x)$ 皆為 $f(x)$ 的反導函數，則定積分 $\int_a^b f(x) dx = F_1(b) - F_1(a) = F_2(b) - F_2(a)$ 。
- () 5. 定積分 $\int_a^b f(x) dx$ 即表 $y = f(x)$ 的圖形與直線 $x = a, x = b, y = 0$ 所圍出的區域面積。

二、單選題：每題 5 分共 10 分

- () 1. 下列敘述何者正確？
- (A) $\int_a^b f(x) dx$ 一定大於 0
- (B) $\int_{-1}^1 |x^3| dx = |\int_{-1}^1 x^3 dx|$
- (C) 若 $f(x) = x^n, n \in \mathbb{N}$ ，則 $F(x) = \frac{1}{n+1} x^{n+1}$ 為 $f(x)$ 的一反導函數
- (D) 無窮級數 $\sum_{k=1}^{\infty} (-1)^{k-1} = 1 + (-1) + 1 + \dots + (-1)^{n-1} + \dots$ 的和為 0
- (E) 無窮等比級數 $\sum_{n=1}^{\infty} r^n$ 在 $-1 < r \leq 1$ 時收斂

- () 2. $0.\overline{17}$ 化成最簡分數為何？ (A) $\frac{17}{90}$ (B) $\frac{17}{99}$ (C) $\frac{16}{99}$ (D) $\frac{8}{45}$ (E) $\frac{7}{45}$

三、多選題：每題 10 分(全對得 10 分，錯一個選項得 6 分，錯兩個選項得 2 分)，共 10 分

- () 1. 下列哪些無窮數列是收斂的？
- (A) $\langle 2 \rangle$ (B) $\langle 2n-1 \rangle$ (C) $\langle (-1)^n \rangle$ (D) $\langle (\frac{5}{2})^n \rangle$ (E) $\langle \frac{1}{n} \rangle$

四、填充題：共 58 分

1. $\sum_{k=1}^5 (3k-1) = \underline{\hspace{2cm}}$ 。

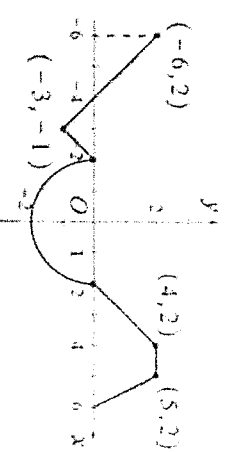
2. 試求無窮數列 $\langle (-\frac{1}{2})^n \rangle$ 的極限 $\lim_{n \rightarrow \infty} (-\frac{1}{2})^n = \underline{\hspace{2cm}}$ 。(若為發散，則回答「不存在」)

3. 試求此無窮等比級數的和： $1 + \frac{1}{3} + \frac{1}{9} + \cdots + \frac{1}{3^{n-1}} + \cdots =$ _____。

4. 平面區域 R 是由直線 $y = 2x$ 與拋物線 $y = x^2$ 所圍出，試求平面區域 R 的面積為_____。

5. $\int_{-5}^5 \sqrt{25 - x^2} dx =$ _____。

6. 如右圖，函數 f 的圖形是由五個線段和一個半圓所構成，試求定積分 $\int_{-4}^4 f(x) dx =$ _____。



7. 試求不定積分 $\int (3x^2 + 2) dx =$ _____。

8. 試求定積分 $\int_1^3 (x^2 - 2x + 3) dx =$ _____。

9. 設某質點在 x 秒的運動速度為 $v(x) = x^2 + 2x$ (公尺/秒)，則此質點從 $x = 0$ 秒至 $x = 3$ 秒的平均速度為_____ (公尺/秒)。

五、混合題：共 12 分 (請寫出計算過程，否則不予計分)

假設某產品的需求函數為 $D(x) = 700 - 4x^2$ ，供給函數為 $S(x) = 3x^2$ ，在市場均衡狀況下，則

(1) 均衡價格為何？ (A) 100 (B) 300 (C) 500 (D) 700 元 (4 分)

(2) 消費者剩餘為_____ (4 分)

(3) 生產者剩餘為_____ (4 分)

班級：_____ 座號：_____ 姓名：_____

一、是非題：每題 2 分，共 10 分

1	2	3	4	5

二、單選題：每題 5 分，共 10 分

1	2

三、多選題：每題 10 分(全對得 10 分，錯一個選項得 6 分，錯兩個選項得 2 分)，共 10 分

1

四、填充題：共 58 分

1	2	3	4	5
6	7	8	9	

填充題配分

答對題數	1	2	3	4	5	6	7	8	9
得分	8	16	24	32	38	44	50	54	58

五、混合題：共 12 分 (請寫出計算過程，否則不予計分)

