

作答說明：本測驗共三部分，共 50 題，每題配分為 2 分，試題皆為單一選擇題，請選出一個正確或最適當的答案，答錯不倒扣。答案需依題號順序清楚填答在答案卷。考完後將「答案卷」及「試題卷」一併繳回。

Part 1: Vocabulary (40%)

Directions: Choose the appropriate words or phrases that best fit the blanks.

1. Online collaboration is on the rise, with tools like Skype, Google Drive and old-fashioned email enabling groups that never meet to ___ complex projects.
(A) employ (C) execute
(B) fulfill (D) consume
2. Understanding what makes groups smart will help organizations and leaders create and manage teams more _____.
(A) desperately (C) disgracefully
(B) effectively (D) offensively
3. A helpful tip is to go on a walk in the mornings because light is the most powerful way to ___ our internal clock.
(A) reshuffle (C) suspend
(B) transfer (D) reset
4. Our daily liver cycles are molded by an interplay between sleep, food and alcohol. Sleep may ___ the master clock in our brain. Like most other bodily organs, the liver is partly governed by this central rhythm.
(A) affect (C) shake
(B) effect (D) stimulate
5. Loneliness can be ____: When one person becomes lonely, he withdraws from his social circle and causes others to do the same.
(A) infectious (C) contagious
(B) mobile (D) portable
6. An experimental Ebola vaccine tested on humans in the West African epidemic has been shown to provide 100 percent protection against the ___ disease.
(A) stressful (C) toxic
(B) polluted (D) lethal
7. Studies have shown that heat and dehydration can contribute to increased mortality rates during hot weather. Mortality increases sharply during heat waves, mostly because people don't drink enough to ___ for their increased fluid losses.
(A) expand (C) strengthen
(B) extend (D) compensate
8. Public messages about the healthfulness of alcohol are conflicting: While moderate drinking appears to have some health benefits, more ___ can obviously have real health costs.
(A) consumption (C) integration
(B) incorporation (D) appeal
9. New evidence suggests that later high school starts have ___ benefits. Researchers found that the later a school's start time, the better off the students were on many measures, including mental health, car crash rates, attendance and, test scores.
(A) persistent (C) inconsistent
(B) disputable (D) widespread
10. Although El Niño contributed to some of the increase in temperatures, almost all of the increase since the 1960s was because of human-caused ___ of carbon dioxide and other greenhouse gases.
(A) constructions (C) emissions
(B) reliefs (D) submissions

11. Don't think of an argument as an opportunity to ___ the other person of your view; think of it as a way to test and improve your opinions, and to gain a better understanding of the other side.
(A) convert (C) conclude
(B) convince (D) converse
12. Three different teams of researchers conclude that all non-Africans today trace their ancestry to a single population ___ from Africa between 50,000 and 80,000 years ago.
(A) modifying (C) emerging
(B) displacing (D) adjusting
13. The warming in the first half of 2016 extended across all parts of the planet except for most of Antarctica. Warming was especially strong in the Arctic, where it had a(n) ___ on sea ice coverage.
(A) source (C) mechanism
(B) impact (D) instrument
14. Four of the foods – steak, cheddar cheese, whole milk and pork chops – tend to have a lot of fat. The nutritional ___ has been that fat in dairy and red meat, is bad for our heart.
(A) compromise (C) harmony
(B) conflict (D) consensus
15. San Francisco is accounted as one of the homeless capitals of America. The city is trying to make the ___ to shower facilities easily for the homeless.
(A) channel (C) route
(B) access (D) entry
16. Ill-informed health experts on TV usually exaggerate the results of their products without providing ___ evidences of the side effects.
(A) innocent (C) sufficient
(B) pure (D) fixed
17. The Boston Marathon Bombing in 2013 is a traumatic event conducted by the terrorists. A lot of people still cannot ___ from it both physically and mentally.
(A) commit (C) yield
(B) recover (D) surrender
18. Claude Monet was thrilled by the layout and color arrangement of the masterpieces ___ in Louvre Museum. He then started his painting career by taking his paints and palettes to Paris.
(A) revealed (C) exposed
(B) covered (D) displayed
19. After the severe 2011 Tohoku earthquake and tsunami taken place in Japan, the ___ had to start from scratch. They would embark on something from the very beginning without any assistance and preparation.
(A) survivors (C) fighters
(B) attendants (D) mentors
20. A project of planting three million trees in Greater Manchester over the next 25 years hopes the effort will improve the understanding of the ___ trees provide to society. These include reducing stress, improve air quality and the amount of time shoppers spend in retail areas.
(A) earnings (C) benefits
(B) shelters (D) welfares

Part 2: Cloze (40%)

Directions: Choose the appropriate words or phrases that best fit the blanks in the passages.

Questions 21-25 refer to the following passage.

Earthquakes of magnitudes exceeding 7.0 struck Japan and Ecuador just hours apart on Saturday. Are the two somehow related? No. The two quakes occurred about 9,000 miles apart. That's far too (21) ___ for there to be any connection between them. Large earthquakes can (22) ___ more quakes — but only in the same region, along or near the same fault. These are called aftershocks. Sometimes a large quake can be linked to a smaller quake that occurred earlier, called a foreshock. In the case of the Japanese quake, seismologists believe that several magnitude-6 quakes in the same region on the previous day were foreshocks to the Saturday event. Sometimes it seems that earthquakes are increasing in (23) ___ because, as instrumentation improves and more people (24) ___ more parts of the world, more quakes make the news. The two earthquakes on Saturday both occurred in heavily populated areas (25) ___ media and communication networks, so word got out quickly and easily. If one had occurred in the middle of the ocean, few people would have noticed.

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| 21. (A) aloof | (C) detached |
| (B) distant | (D) isolated |
| 22. (A) result from | (C) lead to |
| (B) originate from | (D) root by |
| 23. (A) chance | (C) frequency |
| (B) turn | (D) return |
| 24. (A) vacate | (C) conquer |
| (B) reside | (D) occupy |
| 25. (A) for | (C) to |
| (B) with | (D) as |

Questions 26-30 refer to the following passage.

Turbulence is the leading cause of injuries to passengers and crew aboard commercial aircraft, according to the Federal Aviation Administration. There are many different kinds of turbulence, (26) ___ the most problematic to predict and to avoid being clear air turbulence, which is very difficult to (27) ___ using conventional radar. Much of it is typically experienced at cruising altitude. In the last few months, at least three commercial flights, two on American Airlines and one on Air Canada, have experienced severe turbulence that resulted in injuries to those (28) ___ board. In two instances, the flights were (29) ___ to nearby airports so the injured could receive treatment. Aviation professionals classify turbulence from light to extreme, a form they say is very rare. Each airline has dozens of meteorologists on staff helping to plan and guide their flights to avoid turbulence whenever possible, and pilots have access (30) ___ a wealth of real-time information.

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| 26. (A) under | (C) for |
| (B) between | (D) with |
| 27. (A) recognize | (C) realize |
| (B) detect | (D) diagnose |
| 28. (A) on | (C) for |
| (B) towards | (D) near |
| 29. (A) diverted | (C) occupied |
| (B) tracked | (D) engaged |
| 30. (A) at | (C) to |
| (B) on | (D) for |

Questions 31-35 refer to the following passage.

The children lives from rich and poor families look more different than they have. Well-off families are ruled by calendars, (31) ___ children enrolled in ballet, soccer and after-school programs. In poor families, (32) ___, children tend to spend their time at home and are more likely to grow up in neighborhoods. Middle-class and higher-income parents see their children as projects in need of careful (33) ___. They try to develop their skills through close supervision and organized activities. Working-class parents, meanwhile, believe their children will naturally thrive, and give them (34) ___ greater independence and time for free play. There are (35) ___ to both approaches of raising children. Working-class children are happier, more independent, complain less and are closer with family members. Higher-income children are more likely to declare boredom and expect their parents to solve their problems.

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| 31. (A) for | (C) with |
| (B) by | (D) through |
| 32. (A) but | (C) so |
| (B) however | (D) even |
| 33. (A) cropping | (C) reform |
| (B) cultivation | (D) complexity |
| 34. (A) also | (C) likewise |
| (B) further | (D) far |
| 35. (A) awards | (C) refunds |
| (B) returns | (D) benefits |

Questions 36-40 refer to the following passage.

In 2012, a high school in the U.S.A. moved the first bell to 8:55 a.m. from 7:35 a.m. During that academic year, car crashes by drivers 16 to 18 years old dropped to seven from 23 the year before. And the study found that composite scores on national tests rose significantly with the late school start. Many researchers say that quality sleep may directly (36) ___ learning because people store new facts during deep-sleep (37) ___. During the rapid-eye-movement phases, the brain is wildly active, sorting and categorizing the day's data. The more sleep a teenager gets, the better the information is absorbed. "(38) ___ enough sleep," said a sleep researcher, "teenagers are losing the ability not only to solidify information but to (39) ___ and restructure it, extracting inferences and insights (40) ___ problems."

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| 36. (A) detach | (C) disorder |
| (B) isolate | (D) affect |
| 37. (A) sections | (C) cycles |
| (B) series | (D) sequences |
| 38. (A) As for | (C) Through |
| (B) Without | (D) Over |
| 39. (A) transport | (C) transfer |
| (B) transmit | (D) transform |
| 40. (A) into | (C) on |
| (B) by | (D) at |

Part 3: Writing Skills (20%)

Directions: Read the paragraphs and choose the best answer.

Questions 41-42 refer to the following passage.

(1) My home town is famous for several natural features. (2) First, it is well-known for its highland structure. (3) The high altitude of the land has created steep valleys. (4) Second, its inland location has resulted in dry summers and cold winters that caused changeable vegetation. (5) Third, the land is topped with volcanic peaks. (6) Each peak has unique shapes and holes. (7) Last, it has a long history that can be dated back to 6 B.C. from the Persian Empire. (8) These three characteristics make my hometown an amazing place.

41. Which of the following topics can best describe the paragraph?
- (A) The natural environment of my hometown.
 - (B) The four seasons of my hometown.
 - (C) The volcanic mountains in my hometown.
 - (D) The mountain wildlife in my hometown.
42. Which of the sentences is NOT relevant to the topic?
- (A) Sentence 3.
 - (B) Sentence 4.
 - (C) Sentence 6.
 - (D) Sentence 7.

Questions 43-44 refer to the following passage.

(1) The latest journal revealed that if one can replace sugary drinks with low-calorie ones, one will lose weight in a short time. (2) On average, 1.2 kg can be lost within 4 to 40 months. (3) If one can even replace his or her drinking habit from sugary drinks to water, the results will be dramatic. (4) The research showed that having low-calorie drinks may reduce body weight as well as energy intake. _____ (5) someone complains that low-calorie drinks do not provide enough satisfaction in food consuming, they are definitely not leading one to obesity anyhow.

43. Which transition word can be used between Sentences 4 and 5?
- (A) Whereas.
 - (B) Unless.
 - (C) Because.
 - (D) Although.
44. Which of the following topics can best describe the paragraph?
- (A) An amazing story behind different drinking habits.
 - (B) Low-calorie drinks as an effective way to weight-losing.
 - (C) Fighting against low-calorie drinks for food satisfaction.
 - (D) Disadvantages of sugary drinks for fighting against obesity.

Questions 45-46 refer to the following passage.

(1) There are several advantages of studying in a foreign country. (2) First, one will have the chance to see the world. (3) Bathing oneself in an exotic outlook and explore unknown terrains are eye-opening experiences. (4) In addition, one can take in a new culture. (5) Finding distinctive cultural perspectives from local restaurants or festivals urges people to appreciate a foreign culture. (6) Also, it grants one to master language skills. (7) People can not only learn the language in school, but from real-live conversations with a neighbor or a stranger. (8) Their fluency may be developed and their intonation can also be improved in the long run. (9) _____

45. What is the function of Sentences 2, 4, and 6?
- (A) To explain different reasons for studying in a foreign country.
 - (B) To analyze the different plans of studying abroad.

- (C) To summarize important experiences of studying abroad.
(D) To provide suggestions of choosing a foreign school.
46. **Which of the sentences is appropriate for Sentence 9 as the concluding sentence of the paragraph?**
- (A) For this reason, they might have some troubles with having conversations with foreigners.
(B) Thus, lots of opportunities will be provided for those who want to make foreign friends.
(C) Therefore, to study in a foreign country is an experience like no other.
(D) To conclude, people can broaden their horizons by visiting foreign residential areas.

Questions 47-48 refer to the following passage.

(1) A world-leading recycling company claimed that 100% recycling is impossible. (2) Used diapers are accounted as organic waste, since they are made from plastic and composite materials. (3) Plastic bags are another headache for the recycling company. (4) They are very light as to cause breakdowns of recycling equipment. (5) Technicians have to stop the functioning machines and cut the plastic bags with knives. _____ (6) Juice boxes are treated as the most painful object for recycling companies. (7) They occupy a lot of space in recycling rooms and are extremely difficult to be torn apart.

47. **What is the main idea of the paragraph?**
- (A) Recycling organic waste is never painful.
(B) Recycling different objects is challenging.
(C) Procedures for recycling are dangerous.
(D) Plastics for recycling has significant effects on our environment.
48. **Which transition word can be used between Sentences 5 and 6?**
- (A) Therefore.
(B) In contrast.
(C) On the other hand.
(D) What's more.

Questions 49-50 refer to the following passage.

(1) Voice recognition system has been practiced among drivers for many years. (2) However, some drivers still have doubts about its reliability and accuracy. (3) Amazon has created the latest version of voice-activated assistant, Alexa, to satisfy drivers' need behind the wheel. (4) Alexa receives directions from finding a gas station, detouring to eco-friendly driving routes, or starting the engine remotely. (5) Drivers can also ask Alexa to do other tasks such as shopping online or sending flowers to one of the best friends. (6) This system is now integrated to the new production lines with several car manufacturers, hoping that drivers will not be distracted in driving. (7) _____

49. **What is the purpose of the paragraph?**
- (A) To explain why the product is launched.
(B) To justify the reasons of buying the device.
(C) To analyze the pros and cons of the device.
(D) To introduce where Alexa is available.
50. **Which of the sentences is appropriate for Sentence 7 as the concluding sentence of the paragraph?**
- (A) Till now, many companies are still finding the best way to upgrade the manufacturing procedures by Alexa.
(B) That is the reason why Alexa is crucial for drivers to multitask and to be available on the road.
(C) With the invention of Alexa, a safer way is paved for drivers in navigation and vehicle control.
(D) In the long run, Alexa will be successfully installed to high-end cars for free to ensure the driving quality.