

注意：請用 2B 鉛筆作答於答案卡，並先詳閱答案卡上之「畫記說明」。

**I: Vocabulary and Phrases (24%)**

For each of the following questions, choose the word or phrase that best completes the sentence.

1. A \_\_\_\_\_ in bank rates is often viewed as the barometer of a country's economy.  
(A) recreation (B) persuasion (C) fluctuation (D) confrontation
2. Food safety has recently \_\_\_\_\_ as a critical issue in Taiwan.  
(A) embraced (B) emerged (C) emigrated (D) empathized
3. Universal Grammar Theory seems \_\_\_\_\_ with Krashen's notions. Both state that comprehensible input is essential to make the language acquisition process possible.  
(A) feasible (B) adaptable (C) desirable (D) compatible
4. It is difficult to \_\_\_\_\_ the factors which contribute to the spread of the new virus. More extensive research is obviously required.  
(A) distract (B) dispatch (C) disseminate (D) disentangle
5. As a research scientist, Jenny was \_\_\_\_\_ for the carefulness of her work and her caution in drawing conclusions.  
(A) congruous (B) contagious (C) conspicuous (D) contiguous
6. Recent years have seen a dramatic \_\_\_\_\_ of research concerned with the relationship between motivation and language learning achievement.  
(A) prosecution (B) proliferation (C) proposition (D) protestation
7. It is believed that the best way to \_\_\_\_\_ corruption is through development. However, development always takes time.  
(A) eradicate (B) dedicate (C) captivate (D) advocate
8. Cognitive factors are highly \_\_\_\_\_ to mental and intellectual functions. Many studies have investigated what cognitive factors make learning successful.  
(A) pertinent (B) prevalent (C) persistent (D) preeminent
9. Recent research found that creative and enjoyable TV advertisements would make viewers more \_\_\_\_\_ to sales messages.  
(A) eligible (B) reputable (C) comparable (D) susceptible
10. Scientists hope that the new study of twins will \_\_\_\_\_ the shared roles of genetics and environment in the development of cancer.  
(A) contrast with (B) count on (C) shed light on (D) get away with
11. Some people severely criticized paparazzi for \_\_\_\_\_ the private lives of famous celebrities.  
(A) objecting to (B) delving into (C) carrying out (D) grappling with
12. The paper presents findings that \_\_\_\_\_ the intuitive belief of many language learners. More studies should be undertaken to clarify the discrepancy.  
(A) strike off (B) divide into (C) gear up for (D) run counter to

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**II: Sentence Structure (20%)**

For each of the following questions, choose the answer that makes the sentence grammatically correct.

13. Thousands of homeless families do not have enough money to buy food, not to mention \_\_\_\_\_ in a hotel.  
(A) stay (B) staying (C) have stayed (D) to stay
14. The kitchen appliances need \_\_\_\_\_. Can you help me out?  
(A) clean (B) cleaning (C) to clean (D) being cleaned
15. It was \_\_\_\_\_ cold recently that I caught a bad cold which lasted for two weeks.  
(A) so (B) too (C) very (D) such
16. \_\_\_\_\_ if she could attend the lunch meeting, the CEO nodded her head and left the conference room.  
(A) Ask (B) Asking (C) Asked (D) Having asked
17. If Emily \_\_\_\_\_ my advice, she might have avoided making the same mistakes at work.  
(A) takes (B) took (C) has taken (D) had taken
18. The editor demanded that everyone listed as an author \_\_\_\_\_ the journal's criteria for authorship.  
(A) met (B) meets (C) meet (D) meeting
19. I \_\_\_\_\_ in Taipei for five years by the end of this month.  
(A) am living (B) have lived (C) will live (D) will have lived
20. Elvis Presley is a famous American singer and actor, \_\_\_\_\_ is known to everyone.  
(A) as (B) it (C) so (D) what
21. Many international students like to study at National Taiwan University, \_\_\_\_\_ the faculty and facilities are top-notch.  
(A) that (B) which (C) whose (D) of which
22. Which of the following sentences is grammatically **CORRECT**?  
(A) Vegetarian meals have few calories, they are also healthy.  
(B) The flavor of the Dutch chocolate ice cream is better than the white chocolate.  
(C) While driving into town, it suddenly occurred to Mark that he had forgotten his suitcase.  
(D) Dr. Grabe's article, which I think everyone should read, is optimistic about the future use of alternative energy.

**III: Rational Cloze (40%)**

Choose the best answer for each missing word or phrase in the following excerpted passages.

**Passage 1: Questions 23-26**

Scientists in Washington University School of Medicine have shown that treating the parasite reduces lung damage seen in mice that also are infected with tuberculosis, thereby eliminating the vulnerability to tuberculosis (TB) that the parasite is known to cause. The study (23) the possibility of using inexpensive and widely available anti-parasitic drugs as a preventive measure in places where the parasite

and TB are common.

Public health experts estimate that one-third of the world's population is infected with TB. Most of these infections are not active and cause no symptoms because individuals' immune systems are effective at (24) it. According to the researchers, people with latent tuberculosis infections have a 10 percent lifetime risk of developing active TB. And that risk may go up when people are infected with a type of parasitic worm called helminths, which are common in parts of the world (25) TB is also widespread.

Shabaana A. Khader and her colleagues recently found that the parasite activates a type of immune cell that drives inflammation rather than (26) the immune response that protects against active TB. They also found that individual genetics play a role in the type of immune response – protective or inflammatory – the body mounts against TB, even in the absence of the parasite. Their findings are informing efforts to produce a TB vaccine.

23. (A) raises (B) lessens (C) excludes (D) questions  
24. (A) containing (B) convicting (C) consenting (D) confounding  
25. (A) why (B) that (C) where (D) how  
26. (A) detesting (B) enchanting (C) inhibiting (D) assimilating

**Passage 2: Questions 27-31**

Our tragedy today is a general and universal physical fear so long sustained by now that we can even bear it. There are no longer problems of the spirit. There is only the question: When will I be blown up? Because of this, the young man or woman writing today has forgotten the problems of the human heart in (27) with itself which alone can make good writing because only that is worth writing about, worth the agony and the sweat.

He must learn them again. He must teach himself that the basest of all things is to be afraid and teach himself that, forget it forever, leaving no room in his workshop for anything (28) the old verities and truths of the heart, the universal truths lacking which any story is (29) and doomed — love and honor and pity and pride and compassion and sacrifice.

The writer's duty is to write about these things. It is his privilege to help man endure by lifting his heart, by reminding him (30) the courage and honor and hope and pride and compassion and pity and sacrifice which have been the glory of his past. The poet's voice need not merely (31) the record of man, it can be one of the props, the pillars to help him endure and prevail.

27. (A) contact (B) conflict (C) conformity (D) connection  
28. (A) or (B) and (C) but (D) with  
29. (A) ephemeral (B) expedient (C) eccentric (D) efficacious  
30. (A) as (B) of (C) with (D) for  
31. (A) is (B) be (C) being (D) been

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**Passage 3: Questions 32-36**

Kristof Retezár, an industrial designer in Austria, invented a device that can extract humidity from the air and condense it into drinkable water. The handy gadget, dubbed Fontus, can be attached to a bike \_\_\_\_\_ (32) \_\_\_\_\_ that cyclists can generate water during long-distance rides through the countryside, where pit stops may be few and far between.

The Fontus device uses the principles of condensation to \_\_\_\_\_ (33) \_\_\_\_\_ humidity in the air into drinkable water. The solar-powered device \_\_\_\_\_ (34) \_\_\_\_\_ of a condensator (which functions like a cooler) that is connected to a series of hydrophobic surfaces that repel water. As the bike-mounted gadget takes in air, and these surfaces get cold, you're left with condensation. The prototype includes a filter at the top to keep dust and bugs out of the water, but currently it does not include a way to filter out potentially harmful \_\_\_\_\_ (35) \_\_\_\_\_.

Retezár is also working on a stand-alone version that uses an inverted ventilator to suck air into the system. This next-generation version could be used in regions of the world where humidity is high, but water is \_\_\_\_\_ (36) \_\_\_\_\_.

32. (A) so (B) now (C) except (D) for all  
33. (A) contract (B) conduct (C) convert (D) construct  
34. (A) composes (B) consists (C) comprises (D) constitutes  
35. (A) impediments (B) antecedents (C) supplements (D) contaminants  
36. (A) scarce (B) residual (C) abundant (D) prominent

**Passage 4: Questions 37-42**

As an innovator and visionary, Steve Jobs's accomplishments can be held on a pedestal with the likes of Bill Gates, Mark Zuckerberg, Larry Page and Sergey Brin. The aforementioned names are all highly regarded within technology for transforming consumerism and the accessibility of information. Yet while best known as the CEO of Apple, the late Jobs has had a \_\_\_\_\_ (37) \_\_\_\_\_ effect on the world outside of technology.

As \_\_\_\_\_ (38) \_\_\_\_\_ at NeXT, Pixar and Apple, Jobs had a visible role in the success of products and companies. However, behind the scenes Jobs was known by a select few as a philanthropist. While his philanthropic efforts were rarely made \_\_\_\_\_ (39) \_\_\_\_\_, many have \_\_\_\_\_ (40) \_\_\_\_\_ to Jobs's charitable nature. Jobs donated over \$50 million to Stanford hospitals and contributed to various projects to fight AIDS. As a philanthropist, Jobs's goal wasn't to be recognized, but to help those who needed it.

\_\_\_\_\_ (41) \_\_\_\_\_ are Apple products considered innovative, they are also environmentally friendly. Jobs promoted an initiative for environmentally friendly products during his time as CEO. Apple utilizes eco-conscious materials such as recycled plastics and papers in its products to conserve global resources. \_\_\_\_\_ (42) \_\_\_\_\_, all Apple products are ENERGY STAR qualified, which means they are energy efficient.

From purchasing Pixar in 1986 to supporting charities and environmental causes, Jobs's achievements and innovations continue to affect industries and lifestyles worldwide.

37. (A) profane (B) proficient (C) profound (D) provisional  
38. (A) seen (B) seeing (C) to see (D) has seen  
39. (A) public (B) publicly (C) the public (D) of publicity  
40. (A) adhered (B) adjusted (C) appealed (D) attested  
41. (A) Rarely (B) Not only (C) What matters (D) In the following  
42. (A) However (B) Likewise (C) Otherwise (D) Conversely

**IV: Reading Comprehension (16%)**

Answer the following questions according to the information provided or implied in the passages.  
Choose the best answer to each question.

**Passage 1: Questions 43-46**

The new and now ubiquitous phenomenon of emoji—the colourful glyphs, like smileys, winks, and the thumbs up symbol—has, in less than three years, taken the world by storm. It is no exaggeration to say that emoji represents the fastest growing communication tool in history.

But not everyone is happy. Jonathan Jones, a newspaper reporter, suggests that emoji is taking us back to the dark ages of illiteracy. (W) And this is not an isolated perspective. I've often been told, sagely—being a Professor of Linguistics, I should, presumably, know better—that emoji really is a substandard form of communication; that it self-evidently leads to a drop in spelling and/or reading standards; that it may, in fact, be damaging our ability to communicate. (X)

But not only is such prejudice unfounded, it fundamentally misunderstands the nature of human communication. It also radically underestimates the potentially powerful and beneficial role of emoji in the digital age, as a communication and educational tool.

Many of us have experienced the apparently angry email. Email, and other forms of digital communication, seemingly possess the power to strip all forms of nuanced expression, even from the best of us. (Y) But here emoji can help: they fulfill a similar function in digital communication, to gesture, body language and intonation, in spoken language. Emoji, in text messaging, enables us to better express tone, and to interpret what the words are meant to convey. It is no fluke, therefore, that I have found that 72% of 18-25 year olds in the UK believe that emoji make them better at expressing their feelings.

Emoji is a powerful tool for enhancing text-based communication precisely because of its visual nature: it matters not a jot whether your correspondent is English, French or Japanese: a smile looks the same in any language. Psychologists have long been aware of the power of visual representations in more effectively enabling us to express or identify our thoughts and feelings. (Z) As the nature and practice of using emoji continues to develop and evolve, its significance will, I predict, become less contested.

43. Which of the following statements is **TRUE**?
- (A) Emoji has long been widely used all over the world.  
(B) Emoji enhances our abilities to read and write.  
(C) Emoji enables the user to add tone and to figure out the meaning of the text.  
(D) Emoji is being used to replace words in our digital communications.

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44. Which of the following is the primary meaning of the underlined word “fluke” as it is used in the fourth paragraph?
- (A) A chance occurrence
  - (B) A general hypothesis
  - (C) An uncommon activity
  - (D) An unfortunate phenomenon
45. At which place in the article would the following sentence best be inserted?

*“Far from emoji dragging us back to the dark ages, their advent has helped recalibrate our emotional intelligence.”*

- (A) The place marked by W
  - (B) The place marked by X
  - (C) The place marked by Y
  - (D) The place marked by Z
46. Which of the following adjectives best describes the author’s attitude toward the use of emoji?
- (A) Doubtful
  - (B) Ambitious
  - (C) Supportive
  - (D) Pessimistic

**Passage 2: Questions 47-50**

Music is a splendid thing. A number of studies have suggested the positive impacts of music on the mental state and brain. First, music helps fight depression. Depression reduces brain activity and hampers the mind’s ability to plan and carry out tasks. Lack of the neurotransmitter, Serotonin, results in a depressed state of mind. Soothing musical notes help increase the Serotonin levels of the brain, thus alleviating mental depression. In addition, music helps relieve anxiety. Anxiety is a feeling of fear or uncertainty that clouds your mind and the feeling is mostly about an upcoming event having an unknown outcome. Increased anxiety levels and stress lead to sleeplessness. Music can calm the body nerves and soothe the mind. Flat musical notes induce sleep.

Music also affects the process of learning and thinking. Listening to quiet and soothing music while working helps you work faster and in a more efficient way. Research has shown that music brings about remarkable improvements in the academic skills of students, who are made to listen to certain kinds of music while studying or working in the lab. Listening to pleasant music, while doing a difficult task, can make it seem easier. In fact, music has a positive effect on the interpersonal skills of an individual. Lack of confidence and very little or no desire to learn is most often the reason behind a failure. Music has the ability to make you positive and feel motivated. It can increase your capacity to believe in yourself.

Moreover, music helps increase your concentration levels. It helps improve memory. It has been found to increase memory levels of Alzheimer’s and dementia patients. Research has shown that the silence between two musical notes triggers brain cells which are responsible for the development of sharp memory. Flute music, and instruments like santoor and sarod are recommended for the enhancement of concentration

and memory. Classical music improves the ability to recall what's retained in the brain in the form of memory. Strong beats cause the brain waves to resonate in synch with the beat, thus leading to increased levels of concentration and increased mental alertness. This also trains the brain to change speeds of processing easily.

Music also plays a vital role in enhancing creativity. Music has a positive impact on the right side of the brain. Music triggers brain centers which deal with the enhancement of creativity. Certain ragas are known to activate the chakras of our body, thus giving us an added advantage in other creative tasks. Music increases spatial and abstract reasoning skills. These are the skills required in tackling problems, solving puzzles and taking decisions. Listening to Mozart's music is known to have a positive effect on the spatial-temporal reasoning.

Last but not least, music speeds the recovery of health ailments. Music helps in the secretion of endorphins that help in speeding the process of healing. It acts as an effective distraction from pain and suffering. It not only diverts the mind from pain, but also helps bring about certain chemical changes in the brain that help speed the healing process. Music therapy is recommended for patients of high blood pressure, heart diseases and even cancer. Music is therapeutic in pain management. Listening to melodious, comforting music is sure to have a positive effect on the physical and mental well-being of patients. If not cure every ailment, music definitely creates hope in the minds of patients – a hope to recover.

47. Which of the following would be the best title for this passage?
- (A) Pros and cons of music therapy
  - (B) Types of music and their functions
  - (C) Effects of music on the human mind and brain
  - (D) Relationships between music and health ailments
48. Which of the following statements is **TRUE**?
- (A) Music improves learning abilities and boosts confidence.
  - (B) Music helps treat all kinds of mental and physical ailments.
  - (C) Music increases the release of endorphins that help increase motivation.
  - (D) Music with strong beats improves dementia patients' problem-solving skills.
49. Which of the following is the theme of the fourth paragraph (*Music also plays a vital role in enhancing creativity...*)?
- (A) Music improves logical and analytical skills.
  - (B) Music increases creativity and problem-solving skills.
  - (C) Music enhances memory level of right brain-damaged patients.
  - (D) Music activates those schemata most relevant to problem-solving activities.
50. Which of the following can be inferred from the passage?
- (A) Musicians can be said to be right-brained.
  - (B) Music improves students' social and verbal skills.
  - (C) The best musical instrument for music therapy is the flute.
  - (D) There are many benefits of music therapy for cancer patients.