



[5-7] Read the following and answer the questions.

Recent finds have revealed how much ancient Egyptians loved their pets. In 2017, archaeologists working in Bernice, south of modern Egypt's Red Seacoast, found a burial ground consisting entirely of dogs, cats, monkeys, and other domestic animals. Some of the buried animals at the site, which was in use in the first century A.D. were found with iron collars around their necks.

A graveyard exclusively reserved for cherished domestic animals whose remains were unummified appears to have been a late development in Egypt's long history of death rites for pets. For centuries before, pet dogs, cats and monkeys had been mummified and often entombed in their own coffins. Sometimes, pets were buried with their (A)\_\_\_\_\_, a practice recorded throughout ancient Egyptian history. (B)\_\_\_\_\_, a man named Hapi-men, who lived around 300 B.C., was found in his coffin with his pet dog embalmed at his feet.

5. Choose the best topic. [2.0 points]

- ① Egyptian archaeologists
- ② Hapi-men and his dog
- ③ Death rites for pets in Egypt
- ④ Domestic animals

6. Choose the best word for (A) and (B).

[1.5 points]

(A) (B)

- |           |              |
|-----------|--------------|
| ① mummies | For instance |
| ② owners  | For instance |
| ③ owners  | Nevertheless |
| ④ mummies | Nevertheless |

7. Which one is NOT TRUE? [2.0 points]

- ① Some domestic animals in Egypt in the first century A.D. wore iron collars.
- ② Hapi-men's pet dog was buried on top of Hapi-men.
- ③ Some monkeys were mummified in Egypt.
- ④ There are some pet tombs in Bernice.

[8-12] Read the following and answer the questions.

The World Health Organization(WHO) thinks that playing too many videogames can be a mental health condition. The WHO is to include gaming disorder in its International Classification of Diseases(ICD).

(A)In addition to the priority issue, the draft also says that @adverse gaming behavior will need to have continued for at least a year in order for a person's diagnosis to be confirmed. (B)The wording of the gaming disorder entry in ICD is yet to be finalized, but the draft currently lists a variety of criteria clinicians could use to determine whether a person's gaming has become a serious health condition. (C)This diagnostic manual was last updated in 1990, and the latest version will be published in 2018. (D)According to the criteria, someone has a gaming disorder if they give increasing priority to gaming to a point that gaming has @precedence over other life interests, and they will continue to game in spite of negative consequences.

Most people who play video games do not have a disorder, just like most people who drink alcohol do not have a disorder either. (E)\_\_\_\_\_, in some situations, overuse can result in adverse effects.

8. Choose the best topic. [2.0 points]

- ① A gaming disorder
- ② Drinking alcohol while gaming
- ③ The benefits of playing videogames
- ④ The criteria of wording

9. Which one is the right order? [2.5 points]

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

10. Which one is TRUE? [2.0 points]

- ① The wording of the gaming disorder has been completed.
- ② There are more adverse effects from playing video games than from drinking alcohol.
- ③ The draft now enables clinicians to diagnose a gaming disorder.
- ④ The ICD was first written in 1990.

11. Which one can replace ㉠ **adverse** and ㉡ **precedence**? [2.0 points]

- |            |            |
|------------|------------|
| ㉠          | ㉡          |
| ① negative | importance |
| ② negative | effect     |
| ③ sporadic | importance |
| ④ sporadic | effect     |

12. Choose the best word for (E). [1.5 points]

- ① Therefore
- ② In addition
- ③ For example
- ④ However

[13-15] Read the following and answer the questions.

Did you pile on the pounds this Christmas? At least you can take some comfort in the fact that not all fat is bad. Evidence on mice and monkeys suggests it is important for storing essential immune cells and may even boost their effectiveness at fighting infection. Yasmine Belkaid at the U.S. National Institutes of Health has found that a type of immune cell—called a memory T-cell—seems to be stored in the body fat of mice. These cells learn to fight infection. Once exposed to a pathogen, they mount a stronger response the next time they encounter it. When mice were infected with parasites, it was found that memory T-cells (A)\_\_\_\_\_ densely in the animals' body fat. Tests showed that these cells seemed to be more effective than those stored in other organs, for example, by being (B)\_\_\_\_\_ at replicating and at releasing infection-fighting chemicals.

13. Choose the best title. [2.0 points]

- ① Gaining Weights During the Holidays
- ② Infecting Mice with Parasites
- ③ The Benefits of Fat
- ④ Immune Cells of Parasites

14. Choose the best word for (A) and (B). [2.0 points]

- |             |        |
|-------------|--------|
| (A)         | (B)    |
| ① clustered | poorer |
| ② clustered | better |
| ③ separated | poorer |
| ④ separated | better |

15. Which one is TRUE? [2.0 points]

- ① All fat is detrimental to one's health.
- ② Memory T-cells adapt to fighting infection.
- ③ Memory T-cells respond the same to pathogens.
- ④ Memory T-cells are not found in mice.

[16-18] Read the following and answer the questions.

In the past, most people just worried about keeping their computer operating systems updated against the threat of hackers. Today, however, everyday items from door locks to cars can be breached by hackers who want to take advantage of the frequently used wireless communication systems.

Wireless technology makes machines and devices more efficient and adaptable. Many new cars use a wireless system to shut off a car if it has been (A)\_\_\_\_\_. Many experts believe that hackers could turn off many cars on a section of a street to create a traffic jam which could stop the police from pursuing criminals. In the future, even your brain and body could be taken over by malicious people. Research from Harvard has shown that it is possible to make people lift an arm or blink by the use of wireless technology.

16. Choose the best expression for (A).

[1.5 points]

- ① stolen
- ② broken
- ③ sold
- ④ remodeled

17. Which one is NOT TRUE? [2.0 points]

- ① Wireless communication systems may be targeted by hackers.
- ② Hackers may get advantages by turning cars off.
- ③ Hackers may close people's eyes without their consent.
- ④ Wireless technology from Harvard can stop attacks from hackers.

18. Choose the best title. [2.0 points]

- ① The Dangers of Wireless Technology
- ② Hackers and Anti-Virus Programs
- ③ A Wonderful Harvard Research
- ④ A New System for Modern Cars

[19-21] Read the following and answer the questions.

The U.S. has no plans to take military action against North Korea, and is willing to engage the regime in talks (A)\_\_\_\_\_, U.S. President Donald Trump said on Wednesday. According to South Korea's presidential office, Trump confirmed that the U.S. will not take military action during the PyeongChang Olympic Winter Games in a telephone conversation with South Korea's President Moon Jae-in late Wednesday. Seoul's presidential office said that the two leaders agreed that the recent inter-Korean talks could potentially lead to U.S.-Pyongyang talks. The two Koreas held their first talks in over two years, during which the North confirmed its participation in the Olympic Games. South Korea's presidential office also mentioned that Moon said that Trump's North Korean policies facilitated the inter-Korean talks, and that the two leaders shared the view that a "solid position" must be taken for the meeting to bring results.

19. Choose the best expression for (A).

[1.5 points]

- ① if conditions be met
- ② whether conditions be met
- ③ conditions should be met
- ④ should conditions be met

20. Which one is NOT TRUE? [2.0 points]

- ① Trump says the U.S. is willing to open talks with Pyongyang under the right conditions.
- ② North Korea says they won't come to South Korea if Trump opposes.
- ③ Trump and Moon agreed on halting military action during the Olympic Games.
- ④ The two Koreas had not talked to each other for 2 years.

21. Choose the best topic. [2.0 points]

- ① The U.S. and South Korea's agreement regarding North Korea
- ② South Korea's participation in the Olympic Games
- ③ The advancement of military action by North Korea
- ④ North Korea's response to Trump

[22-25] Read the following and answer the questions.

Since 1970, the Red Cross (A)had marked January as National Blood Donor Month in the U.S. to inspire contributions. But the first (B)fix to the (C)dearth of donors looked to a more morbid crowd. During World War I, doctors experimented with connecting a volunteer's artery to a recipient's vein, but the Soviet Union was too sprawling to get matches into a room. So it found a different solution. "The first blood bank actually consisted of cadaver blood in Moscow," says Douglas Starr, author of *Blood: An Epic History of Medicine and Commerce*. In one 1930 case, a surgeon gave blood from a man fatally (D)hit by a bus to a young engineer who (E)had attempted suicide.

After reading about such controversial efforts, Chicago doctor Bernard Fantus had an idea: use live volunteers instead. The first American blood bank thus (F)opened on March 15, 1937, at Cook County Hospital—usefully timed to World War II. But those who see donating blood as patriotic (donations peaked during the Cold War) have grown too old to give. The challenge now is finding young donors to replace them.

22. Which can best replace (B)fix and (C)dearth? [2.0 points]

(B) (C)

- |            |           |
|------------|-----------|
| ① problem  | abundance |
| ② problem  | lack      |
| ③ solution | abundance |
| ④ solution | lack      |

23. Which one is grammatically WRONG? [1.5 points]

- ① (A)
- ② (D)
- ③ (E)
- ④ (F)

24. Choose the best title. [2.0 points]

- ① How Blood Banks Came to Life
- ② An Epic History of Medicine of Commerce
- ③ National Blood Donor Month
- ④ How Blood Donors Peaked During the Cold War

25. Which one is NOT TRUE? [2.5 points]

- ① January is now the National Blood Donor Month in the U.S.
- ② The Soviet Union was too vast to find the right blood donors.
- ③ The first donors used to be corpses.
- ④ Only patriots are donating blood now.

[26-29] Read the following and answer the questions.

On the future course of the economy, economists' predictions differ greatly. Optimists suggest that the economy has already hit the (A)\_\_\_\_\_, but pessimists warn of the (B)\_\_\_\_\_ of a double-dip recession. They must be eager to predict when the crisis will be over, but it is not an easy job. One American economist once said, (C)"The only function of economic forecasting is to make astrology look respectable."

As it must have been frustrating to make wrong predictions, some economists try to go beyond the traditional indexes and seek their answers from completely unrelated fields. Lawrence Summers, a famous economist, recently said the free fall of the American economy has stopped. As proof, he pointed to the number of people searching for the phrase "economic recession" on Google, which in the beginning of the year had (D)\_\_\_\_\_ to four times more than usual but has now (E)\_\_\_\_\_ conspicuously.

Alan Greenspan, another famous economist, is said to have examined the amount of garbage, number of customers at dry cleaners and the sales of men's underwear. He did so because households produce more garbage and send more clothes to the dry cleaners when the economy is strong. On the contrary, if sales of men's underwear dwindle, it means the economy has abruptly turned bad.

26. Choose the best expression for (A) and (B). [2.0 points]

- |          |        |
|----------|--------|
| (A)      | (B)    |
| ① apex   | advent |
| ② bottom | advent |
| ③ bottom | end    |
| ④ apex   | end    |

27. What does the underlined (C) mean? [2.0 points]

- ① Economic forecasting is a function of astrology.
- ② Economic forecasting is as unreliable as astrology.
- ③ Astrology is as trustworthy as the economy.
- ④ Astrology can be a more respectable science with the help of economics.

28. Choose the best expression for (D) and (E). [2.5 points]

- |            |           |
|------------|-----------|
| (D)        | (E)       |
| ① soared   | dropped   |
| ② extended | dropped   |
| ③ soared   | rebounded |
| ④ extended | rebounded |

29. Which one is NOT TRUE? [2.0 points]

- ① Summers believed the statistical data of Googling could be an appropriate indicator for the economy.
- ② Greenspan believed that people tend to use the dry cleaners more often in an economic crisis.
- ③ Greenspan believed that men tend to spend less money buying underwear during a recession.
- ④ Greenspan believed that more garbage from households could be a positive sign for the economy.

[30-32] Read the following and answer the questions.

The world loves chocolate, but thousands of years of selective breeding have drastically changed the genome of cocoa trees. The plants now produce tastier chocolate, but they also make less of it due to harmful mutations that are putting the future of our chocolate supply at risk. To understand what is happening, a team led by Juan Motamayor, a geneticist at Mars, a chocolate maker, has now sequenced 200 genomes of domestic and wild trees. It is the first study of cocoa on such a scale. The key ingredient in chocolate is the seeds of the cocoa tree, a native of the tropical forests in Central and South America. Today, most cocoa beans are grown in West Africa. However, the trees are tricky to grow. They are susceptible to many diseases and become less productive as they age. There is a small global surplus of cocoa, but we may face shortages by 2020. The team found (A)\_\_\_\_\_ that compromise productivity in many trees from different countries.

30. Choose the best topic. [2.0 points]

- ① The future of chocolate supply
- ② The global surplus of chocolate
- ③ The genome of trees
- ④ Mars, a chocolate maker

31. Which one is NOT TRUE? [2.5 points]

- ① Juan Motamayor conducted a research on cocoa.
- ② Some cocoa tree seeds are native to South America.
- ③ Cocoa trees are easy to grow.
- ④ Cocoa trees have been affected by selective breeding.

32. Choose the best word for (A). [1.5 points]

- ① geneticists
- ② surpluses
- ③ scales
- ④ mutations

[33-35] Read the following and answer the questions.

The origin of narcotics is opium. Morphine and heroin are the (A)\_\_\_\_\_ of opium. Opium is the first drug human beings used. Humans got ahold of it much earlier than alcoholic beverages, which require a knowledge of fermentation to produce.

The Arabs used opium as a trading item. Opium disappeared from Europe with the fall of the Roman Empire, but its lost memories were revived by the Crusades. After a sea route to India opened, the drug flowed into Europe. When the British occupied India, they used opium as a political and economic weapon. British merchants exported opium from India to China and turned the Chinese into addicts. Britain provoked the Opium Wars so that it could fight against the Qing Dynasty that prohibited the (B)\_\_\_\_\_ of the drug.

33. Choose the best expression for (A) and (B). [2.0 points]

- | (A)          | (B)         |
|--------------|-------------|
| ① nicknames  | exportation |
| ② offsprings | exportation |
| ③ nicknames  | importation |
| ④ offsprings | importation |

34. Choose the best topic. [2.0 points]

- ① The Opium Wars
- ② The history of opium
- ③ The classification of narcotics
- ④ Social problems caused by narcotics

35. Which one is TRUE? [2.5 points]

- ① Alcoholic beverages had been made before people began to use opium.
- ② The Qing Dynasty brought about the Opium War.
- ③ The Arabs used opium for bartering.
- ④ The Crusades introduced opium to Europe for the first time.

[36-38] Read the following and answer the questions.

The Amish people are considered “reclusives” because they live (A)\_\_\_\_\_ other people. They speak Pennsylvania Dutch, a form of German. Children learn English at school and complete their formal education (B)until the end of the 8th grade. Working on farms and small family-owned businesses (C)allows fathers, mothers, and children to remain together all day. The Amish work hard on their farms without using modern farm equipment or electricity. While the Amish pay taxes, they neither vote nor serve in the military.

As farming has declined in the United States, more Amish have recently entered the outside world as factory and restaurant workers. This means that more young people are spending time away from the Amish community and (D)become familiar with the “English” way of life. While Amish people still use the horse and buggy in their daily lives, many learn about the outside world through contact with car and taxi drivers who (E)hired to provide them with transportation.

36. Choose the best expression for (A). [1.5 points]

- ① closely with
- ② separately from
- ③ harmoniously with
- ④ proximately from

37. Which one is grammatically CORRECT? [2.0 points]

- ① (B)
- ② (C)
- ③ (D)
- ④ (E)

38. Which one is TRUE? [2.5 points]

- ① The Amish don't pay taxes and serve in the military.
- ② The Amish don't cast their ballots in federal elections.
- ③ The Amish exclusively learn and use English.
- ④ The Amish learn about the outside world from their school teachers.

[39-41] Read the following and answer the questions.

My passionate interest in social justice and social responsibility has always stood in (A)\_\_\_\_\_ a marked lack of desire for direct association with men and women. I am a horse for single harness, not (B)cut out for tandem or team work. I have never belonged wholeheartedly to country or state, to my circle of friends, or even to my own family. These ties have always been accompanied by a vague aloofness, and the wish to withdraw into myself increases with the years.

My political ideal is democracy. Everyone should be respected as an individual, but no one idolized. It is (C)\_\_\_\_\_ that I have been given so much uncalled for and (D)unmerited admiration. Perhaps this adulation springs from people's unfulfilled wish to comprehend the theory which I have advanced.

39. Choose the best expression for (A) and (C). [2.5 points]

- |                |                  |
|----------------|------------------|
| (A)            | (C)              |
| ① contrast to  | a matter of time |
| ② contrast to  | an irony of fate |
| ③ harmony with | a matter of time |
| ④ harmony with | an irony of fate |

40. Which one CAN replace (B)cut out for and (D)unmerited. [2.0 points]

- |                   |               |
|-------------------|---------------|
| (B)               | (D)           |
| ① lessened for    | not qualified |
| ② lessened for    | not equipped  |
| ③ appropriate for | not qualified |
| ④ appropriate for | not equipped  |

41. Which one is TRUE? [2.0 points]

- ① The author has never had a family.
- ② The author likes horse-riding in his free time.
- ③ The author may prefer being alone to hanging out with friends.
- ④ People can comprehend the author's ideas fully and praise him.

[42-43] Read the following and answer the questions.

For the past 30 years, computer-vision technologies have struggled to perform well, even in tasks as (A)mundane as correctly recognizing faces in photographs. Recently, however, breakthroughs in deep learning have finally enabled computers to interpret several kinds of images better than people do.

(B)It excels because it is better able to learn, and draw inferences from subtle, revealing patterns in the images. (C)For instance, consider images of dogs and cats to understand its prowess. (D)Recent progress in a deep-learning approach known as a convolutional neural network(CNN) is essential to the latest strides. (E)Whereas humans can easily differentiate between them, CNNs allow machines to categorize specific breeds more successfully than people can.

42. Which one can best replace (A)mundane? [2.0 points]

- ① intricate
- ② comprehensive
- ③ versatile
- ④ simple

43. Which one is the right order? [2.5 points]

- ① (D)-(B)-(E)-(C)
- ② (E)-(B)-(D)-(C)
- ③ (E)-(C)-(B)-(D)
- ④ (D)-(C)-(E)-(B)

[44-46] Read the following and answer the questions.

Developing Asia faces a new and strong threat to its share of the U.S. market. The challenge comes from Mexico, a nation that was written off as an excessively indebted basket case 10 years ago. It is now negotiating to set up free-trade deals with the U.S. and Canada that would give Mexico open access to the huge market just across its border.

Such an agreement would have seemed far-fetched a year ago, but the breakdown of global trade talks in Brussels in December and U.S. frustration with some of its main trading partners, Japan and the European countries in particular, has transformed the mood in Washington (A)\_\_\_\_\_ closer economic ties with Mexico. The vote by the U.S. Congress in May to grant the President of the U.S. "fast-track" authority to negotiate a free-trade pact without full scrutiny by the legislature has virtually guaranteed the (B)\_\_\_\_\_ conclusion of a North American Free Trade Agreement, or NAFTA.

44. Which one is TRUE? [2.5 points]
- ① Mexico was hugely in debt many years ago.
  - ② Japan would welcome NAFTA.
  - ③ The U.S. Congress fully examined NAFTA before its approval.
  - ④ NAFTA has been prepared for many years.

45. Choose the best expression for (A) and (B). [2.0 points]

- |                 |             |
|-----------------|-------------|
| (A)             | (B)         |
| ① regardless of | unpromising |
| ② regardless of | successful  |
| ③ in favour of  | unpromising |
| ④ in favour of  | successful  |

46. Which one is NOT TRUE about NAFTA? [2.0 points]

- ① It will be beneficial for Mexico.
- ② It seemed improbable just a year ago.
- ③ It was not supported by the U.S. Congress.
- ④ The U.S. Congress backed up the President of the U.S.

[47-50] Read the following and answer the questions.

We observe that poetry differs from every other art in having a value for the people of the poet's race and language. It is true that even music and painting have a local and racial character, but certainly the difficulties of appreciation in these art forms, for a foreigner, are (A)\_\_\_\_\_. It might be true that prose writings have significance in their own language, which is lost in translation. But we all feel that we lose (B)\_\_\_\_\_ in reading a novel in translation than in reading a poem. In a translation of some kinds of scientific work, the loss may be virtually nil. And it appears perfectly natural when we realize that poetry has primarily to do with the expression of feelings and emotions, and those feelings and emotions are particular, whereas thought is general. It is easier to (C)\_\_\_\_\_ in a foreign language than it is to (D)\_\_\_\_\_ in it. Therefore, no art is more stubbornly (E)\_\_\_\_\_ than poetry, which makes it difficult for foreigners to understand.

47. Choose the best expression for (A) and (B). [2.0 points]

- | (A)         | (B)       |
|-------------|-----------|
| ① much less | much less |
| ② much less | much more |
| ③ much more | much more |
| ④ much more | much less |

48. Which is the best topic? [2.0 points]

- ① Difficulties of understanding poetry for foreigners.
- ② Poetry and European languages
- ③ The local character of music
- ④ Painting in the Middle Ages

49. Choose the best expression for (C) ~ (E). [2.5 points]

- | (C)     | (D)   | (E)       |
|---------|-------|-----------|
| ① feel  | think | national  |
| ② feel  | think | universal |
| ③ think | feel  | national  |
| ④ think | feel  | universal |

50. Which one is TRUE? [2.0 points]

- ① Music and painting don't have any local and racial character.
- ② Understanding poems is easier than understanding novels.
- ③ Scientific writings hardly lose their meaning in the process of translation.
- ④ Scientific work involves feelings and emotions.