

2023학년도 한국공학대학교 편입학

영어고사 문제지(40문항)

고사일시	2023. 1. 13(금) 14:00 ~ 15:00		
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한국공학대학교
TECH UNIVERSITY OF KOREA

14. In the past, students had to visit colleges to see _____, but today many colleges let you explore their campuses online.
- ① what they were looked
 - ② what they looked like
 - ③ how they were looked
 - ④ how they looked like

[Questions 15–16] Choose the one that is grammatically INCORRECT.

15. In England, landlords and businessmen who had any surplus money began to deposit it for safety with the goldsmith. And he would lend the money ①at a high interest. Gradually his lending department became so profitable that he stopped ②charging the depositors for safeguarding their wealth, and he actually paid them for doing it. He would of course pay them less than he charged those ③borrowed from him. The difference between what he paid depositors and what he charged borrowers ④constituted his profits. The modern bank has shed its goldsmith's business and has specialized in this receiving and loaning of money.
16. An eclipse occurs when a celestial object passes between two others. The most commonly observed from the Earth ①is solar and lunar eclipses. Solar eclipses are when the moon passes between the sun and the Earth. The moon may appear to be ②nearly the same size as the sun since the moon is much ③closer to the Earth. This results in the moon partially or completely ④blocking out the sun. A lunar eclipse is when the moon passes through the Earth's shadow. As the moon passes behind the Earth, it either darkens or disappears. (3 pts.)

[Questions 17–25] Choose the one(s) that best complete(s) the sentence.

17. Did you ever have that sensation where you're watching someone do something—serve a tennis ball, say, or get pricked by a needle—and you can just feel exactly what they must be feeling, as if you were in their shoes? Scientists have long wondered why we get that feeling, and more than two decades ago, a team of Italian researchers thought they _____ (A) _____ on an answer. While observing monkeys' brains, they noticed that certain cells activated both when a

- monkey performed an action and when that monkey _____ (B) _____ another monkey perform the same action. "Mirror neurons" were discovered.
- ① (A) stumbled (B) watched
 - ② (A) brought (B) heard
 - ③ (A) dwelt (B) made
 - ④ (A) lingered (B) let

18. A tunicate bulb may be identified by its thin paper-like covering, which serves to protect the bulb from drying out or becoming injured. Tulips, daffodils, and hyacinths are examples of tunicate bulbs. For many of the tunicates, new bulbs form around the original bulb. Called offset, these new bulbs sprout from the base of the main bulb and begin to grow completely new plants. Soon, however, these plants begin crowding each other out, with the result that the flowers begin to shrink in size. Once this happens, to ensure their continued survival, they need to be _____.
- ① more fertilized
 - ② watered more often
 - ③ manually separated
 - ④ exposed to the sun
19. For weeks, I had been traveling through some of the best tiger habitats in Asia, but never before had I seen a tiger. Partly this was because of the animal's legendarily _____ nature. The tiger is powerful enough to kill and drag prey five times its weight, yet it can move through high grass, forest, and even water in unnerving silence. Those who have witnessed—or survived—an attack commonly report that the tiger "came from nowhere." (2 pts.)
- ① untenable (B) threatening
 - ③ lethal (B) secretive
20. Ants are known to be amazing collaborators—they work together to build homes, find food, and fight off their enemies. But perhaps one of the most astounding examples of ant teamwork is the _____ (A) _____ way that fire ants are able to cope with flooding. If their home is flooded, fire ants will join themselves together, gripping tight with their jaws and legs, to form a pizza-like shape that can float on water like a raft. Some rafts can last up to three weeks, and it is thought that some of the bigger structures may have more than 100,000 ants. But if you see one, stay well clear. Fire ants have a painful sting and are thought to be even more _____ (B) _____ than usual when in a raft formation. (3 pts.)

- ① (A) complementary (B) intricate
 ② (A) ingenious (B) aggressive
 ③ (A) unpredictable (B) repellent
 ④ (A) versatile (B) competitive
21. Nuclear power is often used to generate electricity for twenty-first century needs. It is produced for this purpose by commercial nuclear reactors in nuclear power plants. In general, these reactors are reliable and efficient. ____ (A) ____, dangerous accidents or other serious problems can occur, so nuclear reactors must be built to withstand everything from hurricanes to terrorist attacks. ____ (B) ____, these safety measures are not always adequate. Shortly after an earthquake hit Japan on March 11, 2011, a chain of events led to explosions at the Fukushima Daiichi nuclear plant. (2 pts.)
 ① (A) Still (B) Unfortunately
 ② (A) In addition (B) Therefore
 ③ (A) In fact (B) Nevertheless
 ④ (A) However (B) Furthermore
22. There are both benefits and risks attached to a government that tries to control the safety of its citizens. This can reduce accidents, disease and crime, and ____ (A) ____ for the basic needs of all members of society. Conversely, however, over-protective legislation can limit individual freedom and cause ____ (B) ____. It can also suggest that people do not have to be responsible for their own actions. (3 pts.)
 ① (A) apply (B) trouble
 ② (A) cater (B) resentment
 ③ (A) arrange (B) detention
 ④ (A) settle (B) indulgence
23. The most popular cell phone activity is taking pictures. Among all cell phone users, 82% use their phone to take photos. There is ____ (A) ____ difference between males and females. For instance, 82% of men and 81% of women take pictures with their phones. ____ (B) ____, young adults are the most likely to take pictures. Ninety-four percent of those under 29 take pictures with their cell phones, compared to just 44% of those aged 65 and over.
 ① (A) some (B) Quite unexpectedly
 ② (A) one (B) Most importantly
 ③ (A) few (B) More than usually
 ④ (A) little (B) Perhaps unsurprisingly
24. Psychologist Carol Dweck has conducted a series

of studies showing the dangers of believing that geniuses are born rather than made. In one study, Dweck and researcher Valanne Henderson asked 229 seventh graders whether people are "born smart" or "get smart" by working hard. Then they compared the students' sixth and seventh grade achievement scores. The scores of students with the get-smart beliefs stayed high or improved. In contrast, the scores of students who believed in the born-smart assumption stayed low or declined. Surprisingly, even students who _____ but who had low confidence did very well. And the students whose scores dropped the most were the born-smart believers with high confidence.

- ① believed in working hard
 ② faced high expectations
 ③ worshiped their ability
 ④ made good grades

25. Studies have shown that thinking about the way we eat food means we consume less. *Mindless Eating* author Brian Wansink conducted an experiment to show this. He gave stale popcorn to cinemagoers in different sizes. When he weighed the buckets after the film, he found those with bigger buckets ate 53 percent more. When we don't make a conscious decision to think about food, _____.
 ① we are more likely to be fooled by cinema marketing strategy
 ② the chemicals that tell our brain we're full never work
 ③ we will eat anything and we eat more of it and get fatter.
 ④ the people who have more options eat more

[Questions 26–40] Read the following passages and answer the questions.

[Question 26]

Sand dunes are hills of sand. They are formed by the build-up of small particles of sand that are moved by the wind. They can have a wide variety of shapes and sizes, depending upon the intensity and direction of the wind. Contrary to popular opinion, dunes play an important role in ecology. They can be home to unique plants and animals. In addition, they may serve as wind breaks and protect areas further inland. For these reasons, many governments are now starting to protect sand dunes since human development can easily damage the fragile structures.

26. According to the passage, sand dunes _____.
- ① consist of many layers of soil blown from the hills
 - ② provide a habitat for specific vegetation and wildlife
 - ③ act as a natural barrier against the sun rays
 - ④ can be facilitated by human interference

[Question 27]

In 1963, in the unremarkable seaside town of La Coruña, Spain, 27-year-old Amancio Ortega Gaona started a business making bathrobes. By 1975, Ortega had saved enough money from this business to open a clothing store in town. He named his store Zorba, after *Zorba the Greek*. However, he soon learned that there was a bar in town called Zorba just a couple of blocks away. The bar owner thought that it might be confusing to have two businesses in town with the same name, so Ortega agreed to change the name of his store. The problem was that he had already made the letter molds for the store's sign. Rather than having new molds made, Ortega used some of the letters he already had molds for, and came up with a new name: Zara.

27. Which is the best title of the passage?
- ① Success of an Entrepreneur
 - ② Popularity of *Zorba the Greek*
 - ③ Importance of Brand Naming
 - ④ Birth of a Brand

[Question 28]

Native people create legends to explain unusual phenomena in their environment. A legend from the Hawaiian island of Kauai explains how the naupaka flower, a flower that grows on beaches there, got its unusual shape. (A) The flower looks like half a small daisy—there are petals on one side only. (B) The legend says that the marriage of two young lovers on the island was opposed by both sets of parents. (C) The parents found the couple together on a beach one day, and to prevent them from being together, one of the families moved to the mountains, separating the young couple forever. (D) One half moved to the mountains, and the other half stayed near the beach. This story is a good example of a legend invented by native people to interpret the world around them.

28. Choose the most suitable position of the sentence below in the above passage.

As the result, the naupaka flower separated itself into two halves.

- ① (A)
- ② (B)
- ③ (C)
- ④ (D)

[Question 29]

Ballet is a dance form which utilizes specific techniques and methods to achieve a motion that is graceful, flowing, and precise. The line of a dancer's body is crucial in that whether the body is resting or moving, its different parts have to be in complete harmony. The different techniques are choreographed into an orchestral, operatic, or balletic work. Before ballet's traditions developed, narrative dance began and evolved in countries as diverse as China, India, and ancient Greece. The Roman Empire integrated Greek dance after conquering Greece, and by the 1400s, the first glimmers of ballet began to emerge in Italy. Domenico da Piacenza, one of the first dance masters, was in charge of teaching nobles the art; Fabritio Caroso's publication *Il Ballarino*, a manual on the technical aspects of the dance, played a role in establishing Italy as the center of technical ballet development.

29. According to the passage, which is true?

- ① The origin of ballet goes back to countries such as China and India.
- ② Ballet in Italy began around the 15th century.
- ③ All the aristocrats in Italy took ballet lessons.
- ④ An instruction book on ballet technique had a great influence on many countries.

[Question 30]

Fragmentation allows for multiple offsprings to be created at the same time. Planarians, a type of flatworm, will break up into multiple pieces when they reproduce. Each piece will grow and develop into a complete new worm. Up to eight or nine new planarians can be created from a single parent. They also have the ability to regenerate. They can re-grow their entire body even if there is less than one percent of the original.

30. Which is implied in the passage?

- ① Fragmentation helps the organism evolve faster than in other ways.
- ② Fragmentation makes the offsprings even stronger than the parent.
- ③ Planarians never succeed in finding a proper

mate.

- ④ Planarians can regenerate the body when damaged.

[Question 31]

Distance learning is heavily dependent on technology, particularly the Internet. On a face-to-face course, students may only require a computer for the purpose of writing an essay. In comparison, when learning remotely, technology is the principal means of communication. The flexibility this provides means that students may be better able to learn at their own pace, following their own timetable, but it may also mean that learners have to be well-organized and self-disciplined. They must therefore be highly motivated in order to do well on the distance-learning courses.

31. According to the passage, distance learning _____ . (2 pts.)
- ① needs technological access
 - ② is limited by geography
 - ③ lacks scheduling flexibility
 - ④ suits all kinds of students

[Question 32]

32. Language symbolizes reality; it's not the reality itself. Of course, this is obvious. But consider: have you ever reacted to the way something was labeled or described rather than to the actual item? Have you ever bought something because of its name rather than because of the actual objects? If so, you were probably responding as if language was the reality, a distortion called intensional orientation. Intensional orientation refers to the tendency to view people, objects, and events in terms of how they are talked about or labeled rather than in terms of how they actually exist. It occurs when you act as if the words and labels are _____ .

32. Which is the most suitable for the blank?
- ① less realistic than the ideas they generate
 - ② more rational than the things they express
 - ③ less complicated than the ideas they symbolize
 - ④ more important than the things they represent

[Question 33]

What is sound? As an object vibrates in space, it imparts some of its energy to the surrounding molecules. This energy makes one

group of molecules crowd together and a separate group disperse. The former process is called condensation, and the latter rarefaction. Together, these two processes form a sound wave. All objects that vibrate produce sound waves. The waves transmit their energy to other molecules farther away. This process continues until the total energy of the wave disappears. As the wave travels through the air, it causes a change in air pressure known as sound pressure.

33. Which is true about the movement of a sound wave?
- ① It carries the sound energy in a vacuum.
 - ② It disturbs neighboring particles.
 - ③ It will continue until it is blocked.
 - ④ It becomes intense as it moves farther from the source.

[Questions 34-35]

America had fulfilled my ambition. I had arrived with the equivalent of a high school diploma, and after 10 years, I hold a graduate degree and have a relatively successful professional career. That is not to say it had been easy. Every inch of progress had been achieved through exhausting battles. My college education had been financed partly through working multiple minimum-wage jobs. Upon graduation, I had gotten a job, but adjusting to corporate culture was initially very difficult. Then, nervous about job security, I went to graduate school part time to give myself a(n) _____ in case of job layoffs. And I had spent a small fortune in legal fees and had endured many stressful years for the sake of becoming a permanent resident in America.

34. Which is the most suitable for the blank?
- ① obsession ② reward
 - ③ edge ④ justification
35. Which is the best title of the passage?
- ① The Way to Achieve Your Dreams
 - ② The Benefits of Education
 - ③ Common Challenges of Working Students
 - ④ An Immigrant's Silent Struggle

