

PERIOD 3

ENGLISH SECTION

From Question 1~18, you should listen and answer the following question. You'll hear the conversation once (1~16) or twice (17~18).

1. Which of the following is the purpose of this announcement?

- ① To guide a deadline change for participating to an invention competition
- ② To explain how to submit class assignments online
- ③ To recruit helpers to run the school website
- ④ To introduce excellent examples of invention ideas
- ⑤ To promote a special lecture by inventors

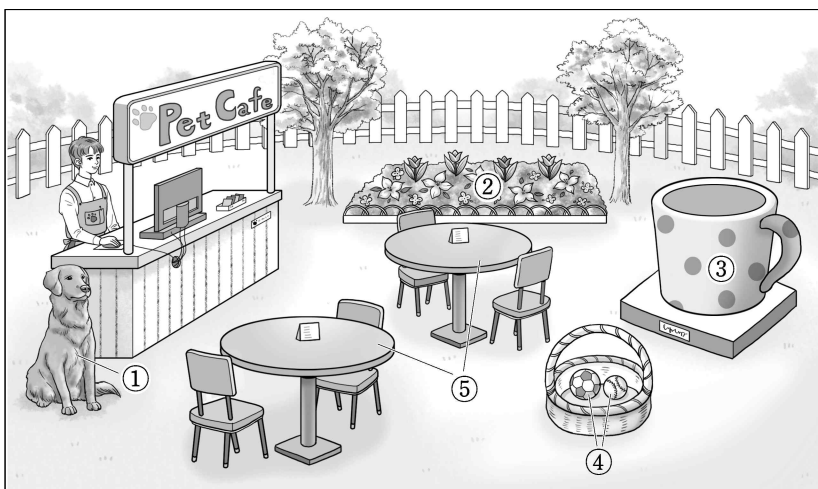
2. Which of the following is the woman's opinion?

- ① Subject of the report should be specific.
- ② Use of diagrams is effective in presenting data.
- ③ Questions should be different based on the subject of the questionnaire.
- ④ Pre-education is necessary for surveyors.
- ⑤ Order of the chart matters when writing reports.

3. Which of the following represents the relationship between the two?

- ① artist – reporter
- ② composer – singer
- ③ poet – teacher
- ④ movie director – actor
- ⑤ dancer – photographer

4. Which of the following does NOT match with the conversation?



5. What will the woman do for the man?

- ① checking copyrights
- ② printing posters
- ③ buying a printer
- ④ sending a file
- ⑤ drawing a cartoon

6. How much should the man pay? [3 points]

- ① \$54
- ② \$55
- ③ \$60
- ④ \$63
- ⑤ \$70

7. Why did the club volunteering postpone?

- ① need more time to organize the donated clothes
- ② have to make a promotional video for the club
- ③ not much time left before the midterm exam
- ④ have to hold a regular club meeting
- ⑤ don't have enough people to participate

8. Which of the following is NOT mentioned about the Annual Charity Baseball Game?

- ① athletes
- ② date
- ③ price
- ④ souvenir
- ⑤ place

9. Which of the following does NOT match with the description of the Kaufman Special Exhibition?

- ① It was first held in 1995.
- ② It is not held on Monday.
- ③ This year's theme is the combination of art and technology.
- ④ Daily number of visitors is limited to 100.
- ⑤ You can get a discount through reservation

10. Which of the following class will the woman sign up to?

Community Center Classes in July

	Class	Fee	Location	Start Time
①	Graphic Design	\$50	Greenville	5 p.m.
②	Coding	\$70	Greenville	7 p.m.
③	Photography	\$80	Westside	7 p.m.
④	Flower Art	\$90	Westside	5 p.m.
⑤	Coffee Brewing	\$110	Greenville	8 p.m.

11. What will the woman most likely say to the man's last words?

- ① I'll be back tomorrow.
- ② You liked the food there.
- ③ I go to the gym every day.
- ④ You should be here by six.
- ⑤ We finished dinner already.

12. What will the woman most likely say to the man's last words?

- ① All right. I'll take the bus then.
- ② No. My bicycle is broken again.
- ③ No problem. I'll give you a ride.
- ④ Don't worry. I'm already at school.
- ⑤ Indeed. I'm glad it's getting warmer.

13. What will the woman most likely say to the man's last words? [3 points]

Woman: \_\_\_\_\_

- ① Absolutely. I was impressed after reading this script.
- ② No doubt. I think I acted well in the last comedy.
- ③ Great. I'll write the script for your new drama.
- ④ I'm sorry. I'm not able to direct the movie.
- ⑤ Okay. I'll let you know my decision soon.

14. What will the man most likely say to the woman's last words? [3 points]

Man: \_\_\_\_\_

- ① That's okay. You can reserve another place.
- ② I see. I should hurry to join your company event.
- ③ Why not? My company has its own sports facilities.
- ④ I agree. We should wait until the remodeling is done.
- ⑤ Thanks. I'll call now to see if they're available that day.

15. What will Mary most likely say to Dave?

Mary: \_\_\_\_\_

- ① Why don't you take leave today and look after yourself?
- ② Your interests should be the priority in your job search.
- ③ You'd better actively support your teammates' ideas.
- ④ Let's find a way to increase sales of health products.
- ⑤ How about changing the details of the contract?

[16~17] Listen to part of a lecture, then answer the questions below.

16. What is the woman mainly talking about?

- ① reasons why chemicals are harmful to plants
- ② ways that plants protect themselves from danger
- ③ difficulties in preventing plants from overgrowing
- ④ tips for keeping dangerous insects away from plants
- ⑤ importance of recognizing poisonous plants in the wild

17. Which of the following plant is NOT mentioned?

- ① roses                      ② tomato plants      ③ clovers
- ④ cherry trees              ⑤ walnut trees

This is the END of the Listening section. From Question 18, follow the directions and answer the questions

18. What is the purpose of the following letter?

To whom it may concern,

My name is Daniel. Since I joined your youth sports program several years ago, I have really enjoyed swimming. Thanks to your program, I have become a good swimmer. Now I want to go one step further. I like helping people and hope to get a job as a lifeguard later. So I tried to sign up for your lifeguard training course this summer. But the course was so popular that the registration closed almost as soon as it opened. I couldn't register and was really disappointed. I heard some of my friends couldn't, either. I'm kindly asking you to open an additional course. I appreciate your consideration.

Sincerely,  
Daniel Smith

- ① To ask for an additional lifeguard training course
- ② To promote the excellence of the lifeguard training process
- ③ To sign up for a winter swimming program
- ④ To ask for a job as a swimming instructor
- ⑤ To teach how to register for the lifeguard training course

19. How is Sharon's feeling changing in the following passage?

Sharon received a ticket to an upcoming tango concert from her friend. While surfing the Internet, she came across a review for the concert. The reviewer was harsh, calling it "an awful performance." That raised in Sharon's mind the question of whether it was worthwhile to go, but in the end, she reluctantly decided to attend the concert. The hall located in the old town was ancient and run-down. Looking around, Sharon again wondered what kind of show she could expect. But as soon as the tango started, everything changed. The piano, guitar, flute, and violin magically flew out in harmony. The audience cheered. "Oh my goodness! What fantastic music!" Sharon shouted. The rhythm and tempo were so energetic and sensational that they shook her body and soul. The concert was far beyond her expectations.

- ① excited → bored                      ② doubtful → amazed
- ③ calm → upset                          ④ ashamed → grateful
- ⑤ envious → indifferent

20. What is the writer mainly talking about?

Occasionally individuals do not merely come out as well as clearly state what is troubling them and instead select more indirect means of expressing their annoyance. One companion might talk to the various other in a way that is condescending and also indicates underlying hostility. Numerous other times, partners may mope and even frown without genuinely dealing with an issue. Companions may likewise merely prevent discussing an issue by swiftly switching over topics when the subject turns up or by being incredibly vague. Such indirect ways of expressing temper are not useful since they don't provide the individual that is the target of the behaviors, an idea of exactly how to react. They understand their companion is irritated, but the absence of directness leaves them without advice regarding what they can do to solve the issue.

- ① Persuade others rationally rather than emotionally.
- ② Refrain from offending other person by your actions.
- ③ Directly point out the problem to resolve it.
- ④ Listen to others in order to understand them.
- ⑤ Be notified to problems that keeps you from reaching your goals.

21. What is the underlined journey edges meaning in the following passage? [3 points]

Many ancillary businesses that today seem almost core at one time started out as journey edges. For example, retailers often boost sales with accompanying support such as assembly or installation services. Think of a home goods retailer selling an unassembled outdoor grill as a box of parts and leaving its customer's mission incomplete. When that retailer also sells assembly and delivery, it takes another step in the journey to the customer's true mission of cooking in his backyard. Another example is the business-to-business service contracts that are layered on top of software sales. Maintenance, installation, training, delivery, anything at all that turns do-it-yourself into a do-it-for-me solution originally resulted from exploring the edge of where core products intersect with customer journeys.

- ① requiring customers to purchase unnecessary goods
- ② decreasing customers' dependence on business services
- ③ focusing more on selling end products than components
- ④ adding a technological breakthrough to their core products
- ⑤ providing extra services beyond customers' primary purchase

22. What is the writer mainly arguing about?

Official definitions of sport have important implications. When a definition emphasizes rules, competition, and high performance, many people will be excluded from participation or avoid other physical activities that are defined as "second class." For example, when a 12-year-old is cut from an exclusive club soccer team, she may not want to play in the local league because she sees it as "recreational activity" rather than a real sport. This can create a situation in which most people are physically inactive at the same time that a small number of people perform at relatively high levels for large numbers of fans — a situation that negatively impacts health and increases health-care costs in a society or community. When sport is defined to include a wide range of physical activities that are played for pleasure and integrated into local expressions of social life, physical activity rates will be high and overall health benefits are likely.

- ① Athletes' skills improve when they enjoy the game itself.
- ② Reasonable rules of play are needed for a fair play.
- ③ Popularization of sports is changing the definition of the sports industry.
- ④ The definition of sports affects the participation of physical activity and health.
- ⑤ Active leisure activities help maintain smooth interpersonal relationships.

23. What is the main idea of the following passage?

*Problem framing* amounts to defining *what* problem you are proposing to solve. This is a critical activity because the frame you choose strongly influences your understanding of the problem, thereby conditioning your approach to solving it. For an illustration, consider Thibodeau and Broditsky's series of experiments in which they asked people for ways to reduce crime in a community. They found that the respondents' suggestions changed significantly depending on whether the metaphor used to describe crime was as a virus or as a beast. People presented with a metaphor comparing crime to a virus invading their city emphasized prevention and addressing the root causes of the problem, such as eliminating poverty and improving education. On the other hand, people presented with the beast metaphor focused on remediations: increasing the size of the police force and prisons.

- ① importance of asking the right questions for better solutions
- ② difficulty of using a metaphor to find solutions to a problem
- ③ reasons why problem framing prevents solutions from appearing
- ④ usefulness of preventive measures in reducing community crime
- ⑤ effect of problem framing on approaching and solving problems

24. What is the title of the following passage?

A common error in current Darwinian thinking is the assumption that "selfish genes" are the prime mover in evolution. In strict Darwinism the prime mover is environmental threat. In the absence of threat, natural selection tends to *resist* change. It is un-biological to "explain" behavioural change as *resulting from* genetic change or the *ex vacuo* emergence of domain-specific brain modules. Evolutionary psychologists surely know why brains evolved: as Cosmides and Tooby point out, brains are found only in animals that move. Brains are behavioural organs, and behavioural adaptation, being immediate and non-random, is vastly more efficient than genetic adaptation. So, in animals with brains, behavioural change is the usual first response to environmental threat. If the change is successful, genetic adaptation to the new behaviour will follow more gradually. Animals do not evolve carnivore teeth and then decide it might be a good idea to eat meat.

\* *ex vacuo*: from nothing

- ① Which Adapts First, Behaviour or Genes?
- ② The Brain Under Control of Selfish Genes
- ③ Why Animals Eat Meat: A Story of Survival
- ④ Genes Always Win the Battle Against Nature!
- ⑤ The Superior Efficiency of Genetic Adaptation

25. Which of the following text does NOT match with the following graph?

**Global Plastic Waste Generation by Industry in 2015**

Market Sectors	Million Tons	%
Packaging	141	46.69
Textiles	38	12.58
Consumer and Institutional Products	37	12.25
Transportation	17	5.63
Electrical and Electronic	13	4.30
Building and Construction	13	4.30
Industrial Machinery	1	0.33
Others	42	13.91
<b>Total</b>	<b>302</b>	<b>100</b>

Note: Due to rounding, the percentages may not sum to 100%.

The above table shows global plastic waste generation by industry in 2015. ① The sector that generated plastic waste most was packaging, accounting for 46.69% of all plastic waste generated. ② The textiles sector generated 38 million tons of plastic waste, or 12.58% of the total plastic waste generated. ③ The consumer and institutional products sector generated 37 million tons of plastic waste, and the amount was more than twice that of plastic waste the transportation sector generated. ④ The electrical and electronic sector generated just as much plastic waste as the building and construction sector did, each sector accounting for 8.60% of the total plastic waste generation. ⑤ Only one million tons of plastic waste were generated in the industrial machinery sector, representing less than 0.50% of the total plastic waste generated.

26. Which of the following is NOT mentioned in the biography about William McDougall?

Born in Lancashire, England, in 1871, William McDougall left his mark on experimental and physiological psychology. After receiving a degree in natural sciences in Cambridge University, he became interested in human behavior. He believed human behavior to be based on three abilities — intellect, emotion, and will. Being a hardworking scholar, he held academic positions in several universities in England. He also wrote many books on psychology including the well-known *Introduction to Social Psychology*. In 1920, he published *The Group Mind* opposing mechanistic interpretations of human behavior. However, *The Group Mind* was poorly received when published. Somewhat disappointed, he moved to the United States in the same year to be a professor at Harvard University. Seven years later, he moved to Duke University, where he developed a psychology department and continued various research. Today many people read his books, and psychologists celebrate his intellectual achievements.

- ① He got his degree in Cambridge University.
- ② He believed that human behavior was based on three abilities.
- ③ *The Group Mind* was highly recognized when published.
- ④ He continued his research in Duke University
- ⑤ Psychologists today honor his intellectual achievements

27. Which of the following does NOT match with the following instruction of Singing Tommy?

Singing Tommy

Congratulations! Tommy is now your singing friend. Read these instructions to learn how to play with and care for him. Tommy sings to you anytime, anywhere. An Internet connection is not required to play the songs!

**Before Use**

1. Remove the protective film covering Tommy's eyes.
2. Insert two AA batteries into the battery box and press the power button.
3. Choose your volume setting: LOW volume or HIGH volume.

**Operation**

1. Play
  - Touch Tommy's right ear to start a song.
2. Stop
  - Press Tommy's hat to stop the song.
3. Control
  - Choose from five songs.
  - Push Tommy's badge to skip to the next song.



**Caution**

Tommy is not waterproof. Be careful not to get Tommy wet!

- ① It can play song even without an internet connection.
- ② You have to insert two AA batteries before use.
- ③ A song starts when the hat is pressed.
- ④ You can choose from five different songs.
- ⑤ It is not waterproof.

28. Which of the following matches with the following notice about 2020 Crime & Spy Science Workshop?

2020 Crime & Spy Science Workshop

Come learn to be a top detective! In this workshop, you will investigate crime scenes and learn skills necessary to become a detective and solve mysteries!

**When & Where**

- 9 a.m. to 3 p.m. on Tuesday, August 18, 2020
- Conference Room #103, ZBU Student Union

**Who:** Ages 14 and up

**Participation Fee:** \$20 (insurance not included)

**Registration**

- Call 555-540-0421, or email [spyscience@zbu.edu](mailto:spyscience@zbu.edu) by Wednesday, July 29, 2020.

**Preparations**

- Bring comfortable shoes and a bag to carry detective tools.
- Lunch and snacks are provided.

**You will learn**

- how to find traces of suspects.
- how to manage the scene of a crime.
- how to choose the right tools.

- ① It will last for two days.
- ② Insurance is included in the participation fee.
- ③ Registration is only available through e-mail.
- ④ Lunch and snacks are not provided.
- ⑤ You will learn how to use the right tools.

29. Which underlined word is grammatically INCORRECT in the following passage?

People from more individualistic cultural contexts tend to be motivated to maintain self-focused agency or control ① as these serve as the basis of one's self-worth. With this form of agency comes the belief that individual successes ② depending primarily on one's own abilities and actions, and thus, whether by influencing the environment or trying to accept one's circumstances, the use of control ultimately centers on the individual. The independent self may be more ③ driven to cope by appealing to a sense of agency or control. However, people from more interdependent cultural contexts tend to be less focused on issues of individual success and agency and more motivated towards group goals and harmony. Research has shown ④ that East Asians prefer to receive, but not seek, more social support rather than seek personal control in certain cases. Therefore, people ⑤ who hold a more interdependent self-construal may prefer to cope in a way that promotes harmony in relationships.

30. Which underlined word is NOT appropriate in the following passage?

Chunking is vital for cognition of music. If we had to encode it in our brains note by note, we'd ① struggle to make sense of anything more complex than the simplest children's songs. Of course, most accomplished musicians can play compositions containing many thousands of notes entirely from ② memory, without a note out of place. But this seemingly awesome accomplishment of recall is made ③ improbable by remembering the musical *process*, not the individual notes as such. If you ask a pianist to start a Mozart sonata from bar forty-one, she'll probably have to ④ mentally replay the music from the start until reaching that bar — the score is not simply laid out in her mind, to be read from any random point. It's rather like describing how you drive to work: you don't simply recite the names of roads as an abstract list, but have to construct your route by mentally retracing it. When musicians make a mistake during rehearsal, they wind back to the ⑤ start of a musical phrase ('let's take it from the second verse') before restarting.

[31~34] Which choice best matches with the following blanks in the passage?

31. Research with human runners challenged conventional wisdom and found that the ground-reaction forces at the foot and the shock transmitted up the leg and through the body after impact with the ground \_\_\_\_\_ as runners moved from extremely compliant to extremely hard running surfaces. As a result, researchers gradually began to believe that runners are subconsciously able to adjust leg stiffness prior to foot strike based on their perceptions of the hardness or stiffness of the surface on which they are running. This view suggests that runners create soft legs that soak up impact forces when they are running on very hard surfaces and stiff legs when they are moving along on yielding terrain. As a result, impact forces passing through the legs are strikingly similar over a wide range of running surface types. Contrary to popular belief, running on concrete is not more damaging to the legs than running on soft sand. [3 points]

- ① varied little
- ② decreased a lot
- ③ suddenly peaked
- ④ gradually appeared
- ⑤ were hardly generated

32. One of the great risks of writing is that even the simplest of choices regarding wording or punctuation can sometimes \_\_\_\_\_ in ways that may seem unfair. For example, look again at the old grammar rule forbidding the splitting of infinitives. After decades of telling students to never split an infinitive (something just done in this sentence), most composition experts now acknowledge that a split infinitive is *not* a grammar crime. Suppose you have written a position paper trying to convince your city council of the need to hire security personnel for the library, and half of the council members — the people you wish to convince — remember their eighth-grade grammar teacher's warning about splitting infinitives. How will they respond when you tell them, in your introduction, that librarians are compelled "to always accompany" visitors to the rare book room because of the threat of damage? How much of their attention have you suddenly lost because of their automatic recollection of what is now a nonrule? It is possible, in other words, to write correctly and still offend your readers' notions of your language competence.

- ① reveal your hidden intention
- ② distort the meaning of the sentence
- ③ prejudice your audience against you
- ④ test your audience's reading comprehension
- ⑤ create fierce debates about your writing topic

33. Even when we do something as apparently simple as picking up a screwdriver, our brain automatically \_\_\_\_\_.

We can literally feel things with the end of the screwdriver. When we extend a hand, holding the screwdriver, we automatically take the length of the latter into account. We can probe difficult-to-reach places with its extended end, and comprehend what we are exploring. Furthermore, we instantly regard the screwdriver we are holding as “our” screwdriver, and get possessive about it. We do the same with the much more complex tools we use, in much more complex situations. The cars we pilot instantaneously and automatically become ourselves. Because of this, when someone bangs his fist on our car’s hood after we have irritated him at a crosswalk, we take it personally. This is not always reasonable. Nonetheless, without the extension of self into machine, it would be impossible to drive. [3 points]

- ① recalls past experiences of utilizing the tool
- ② recognizes what it can do best without the tool
- ③ judges which part of our body can best be used
- ④ perceives what limits the tool’s functional utility
- ⑤ adjusts what it considers body to include the tool

34. A large part of what we see is what we expect to see. This explains why we “see” faces and figures in a flickering campfire, or in moving clouds. This is why Leonardo da Vinci advised artists to discover their motifs by staring at patches on a blank wall. A fire provides a constant flickering change in visual information that never integrates into anything solid and thereby allows the brain to engage in a play of hypotheses. On the other hand, the wall does not present us with very much in the way of visual clues, and so the brain begins to make more and more hypotheses and desperately searches for confirmation. A crack in the wall looks a little like the profile of a nose and suddenly a whole face appears, or a leaping horse, or a dancing figure. In cases like these the brain’s visual strategies are \_\_\_\_\_. [3 points]

- ① ignoring distracting information unrelated to visual clues
- ② projecting images from within the mind out onto the world
- ③ categorizing objects into groups either real or imagined
- ④ strengthening connections between objects in the real world
- ⑤ removing the broken or missing parts of an original image

35. Which of the following sentence is NOT related to the overall flow of the passage?

One of the most widespread, and sadly mistaken, environmental myths is that living “close to nature” out in the country or in a leafy suburb is the best “green” lifestyle. Cities, on the other hand, are often blamed as a major cause of ecological destruction — artificial, crowded places that suck up precious resources. Yet, when you look at the facts, nothing could be farther from the truth. ① The pattern of life in the country and most suburbs involves long hours in the automobile each week, burning fuel and pumping out exhaust to get to work, buy groceries, and take kids to school and activities. ② City dwellers, on the other hand, have the option of walking or taking transit to work, shops, and school. ③ The larger yards and houses found outside cities also create an environmental cost in terms of energy use, water use, and land use. ④ This illustrates the tendency that most city dwellers get tired of urban lives and decide to settle in the countryside. ⑤ It’s clear that the future of the Earth depends on more people gathering together in compact communities.

[36~37] Choose the best choice in the order of the following text.

36.

Studies of people struggling with major health problems show that the majority of respondents report they derived benefits from their adversity. Stressful events sometimes force people to develop new skills, reevaluate priorities, learn new insights, and acquire new strengths.

- (A) High levels of adversity predicted poor mental health, as expected, but people who had faced intermediate levels of adversity were healthier than those who experienced little adversity, suggesting that moderate amounts of stress can foster resilience. A follow-up study found a similar link between the amount of lifetime adversity and subjects’ responses to laboratory stressors.
- (B) Intermediate levels of adversity were predictive of the greatest resilience. Thus, having to deal with a moderate amount of stress may build resilience in the face of future stress.
- (C) In other words, the adaptation process initiated by stress can lead to personal changes for the better. One study that measured participants’ exposure to thirty-seven major negative events found a curvilinear relationship between lifetime adversity and mental health.

- ① (A) – (C) – (B)                      ② (B) – (A) – (C)
- ③ (B) – (C) – (A)                      ④ (C) – (A) – (B)
- ⑤ (C) – (B) – (A)

37.

The fruit ripening process brings about the softening of cell walls, sweetening and the production of chemicals that give colour and flavour. The process is induced by the production of a plant hormone called ethylene.

- (A) If ripening could be slowed down by interfering with ethylene production or with the processes that respond to ethylene, fruit could be left on the plant until it was ripe and full of flavour but would still be in good condition when it arrived at the supermarket shelf.
- (B) In some countries they are then sprayed with ethylene before sale to the consumer to induce ripening. However, fruit picked before it is ripe has less flavour than fruit picked ripe from the plant. Biotechnologists therefore saw an opportunity in delaying the ripening and softening process in fruit.
- (C) The problem for growers and retailers is that ripening is followed sometimes quite rapidly by deterioration and decay and the product becomes worthless. Tomatoes and other fruits are, therefore, usually picked and transported when they are unripe. [3 points]

- ① (A) – (C) – (B)
- ② (B) – (A) – (C)
- ③ (B) – (C) – (A)
- ④ (C) – (A) – (B)
- ⑤ (C) – (B) – (A)

[38~39] Based on the flow of the text, choose a best choice for a given sentence to enter.

38.

Compounding the difficulty, now more than ever, is what ergonomists call information overload, where a leader is overrun with inputs — via e-mails, meetings, and phone calls — that only distract and confuse her thinking.

Clarity is often a difficult thing for a leader to obtain. Concerns of the present tend to seem larger than potentially greater concerns that lie farther away. ( ① ) Some decisions by their nature present great complexity, whose many variables must come together a certain way for the leader to succeed. ( ② ) Alternatively, the leader's information might be only fragmentary, which might cause her to fill in the gaps with assumptions — sometimes without recognizing them as such. ( ③ ) And the merits of a leader's most important decisions, by their nature, typically are not clear-cut. ( ④ ) Instead those decisions involve a process of assigning weights to competing interests, and then determining, based upon some criterion, which one predominates. ( ⑤ ) The result is one of judgment, of shades of gray; like saying that Beethoven is a better composer than Brahms. [3 points]

39.

When the team painted fireflies' light organs dark, a new set of bats took twice as long to learn to avoid them.

Fireflies don't just light up their behinds to attract mates, they also glow to tell bats not to eat them. This twist in the tale of the trait that gives fireflies their name was discovered by Jesse Barber and his colleagues. The glow's warning role benefits both fireflies and bats, because these insects taste disgusting to the mammals. ( ① ) When swallowed, chemicals released by fireflies cause bats to throw them back up. ( ② ) The team placed eight bats in a dark room with three or four fireflies plus three times as many tasty insects, including beetles and moths, for four days. ( ③ ) During the first night, all the bats captured at least one firefly. ( ④ ) But by the fourth night, most bats had learned to avoid fireflies and catch all the other prey instead. ( ⑤ ) It had long been thought that firefly bioluminescence mainly acted as a mating signal, but the new finding explains why firefly larvae also glow despite being immature for mating.

40. Which of the following words best fit the blanks (A) and (B) when summarizing the passage into one sentence?

Some environments are more likely to lead to fossilization and subsequent discovery than others. Thus, we cannot assume that more fossil evidence from a particular period or place means that more individuals were present at that time, or in that place. It may just be that the circumstances at one period of time, or at one location, were more favourable for fossilization than they were at other times, or in other places. Likewise, the absence of hominin fossil evidence at a particular time or place does not have the same implication as its presence. As the saying goes, 'absence of evidence is not evidence of absence'. Similar logic suggests that taxa are likely to have arisen before they first appear in the fossil record, and they are likely to have survived beyond the time of their most recent appearance in the fossil record. Thus, the first appearance datum, and the last appearance datum of taxa in the hominin fossil record are likely to be conservative statements about the times of origin and extinction of a taxon.

\*\*\* taxa: plural of the term *taxon*



Since fossilization and fossil discovery are affected by (A) conditions, the fossil evidence of a taxon cannot definitely (B) its population size or the times of its appearance and extinction.

- |                 |            |                 |            |
|-----------------|------------|-----------------|------------|
| (A)             | (B)        | (A)             | (B)        |
| ① experimental  | …… confirm | ② experimental  | …… reveal  |
| ③ environmental | …… clarify | ④ environmental | …… conceal |
| ⑤ accidental    | …… mask    |                 |            |

[41~42] Read the following passage, then answer the questions below.

In many mountain regions, rights of access to water are associated with the possession of land — until recently in the Andes, for example, land and water rights were (a) combined so water rights were transferred with the land. However, through state land reforms and the development of additional sources of supply, water rights have become separated from land, and may be sold at auction. This therefore (b) favours those who can pay, rather than ensuring access to all in the community. The situation arises, therefore, where individuals may hold land with no water. In Peru, the government grants water to communities separately from land, and it is up to the community to allocate it. Likewise in Yemen, the traditional allocation was one measure (*tasah*) of water to one hundred ‘*libnah*’ of land. This applied only to traditional irrigation supplies — from runoff, wells, etc., where a supply was (c) guaranteed. Water derived from the capture of flash floods is not subject to Islamic law as this constitutes an uncertain source, and is therefore free for those able to collect and use it. However, this traditional allocation per unit of land has been bypassed, partly by the development of new supplies, but also by the (d) decrease in cultivation of a crop of substantial economic importance. This crop is harvested throughout the year and thus requires more than its fair share of water. The economic status of the crop (e) ensures that water rights can be bought or bribed away from subsistence crops.

41. What is the title of the passage?

- ① Water Rights No Longer Tied to Land
- ② Strategies for Trading Water Rights
- ③ Water Storage Methods: Mountain vs. Desert
- ④ Water Supplies Not Stable in Mountain Regions
- ⑤ Unending Debates: Which Crop We Should Grow

42. Which underlined word (a)~(e) is NOT appropriate in the passage? [3 points]

- ① (a)      ② (b)      ③ (c)      ④ (d)      ⑤ (e)

[43~45] Read the following passage, then answer the questions below.

(A)

“Congratulations!” That was the first word that Steven saw when he opened the envelope that his dad handed to him. He knew that he would win the essay contest. Overly excited, he shouted, “Hooray!” At that moment, two tickets to Ace Amusement Park, the prize, slipped out of the envelope. He picked them up and read the letter thoroughly while sitting on the stairs in front of his house. “Wait a minute! That’s not my name!” (a) he said, puzzled. The letter was addressed to his classmate Stephanie, who had also participated in the contest.

(B)

Once Steven had heard his dad’s words, tears started to fill up in his eyes. “I was foolish,” Steven said regretfully. He took the letter and the prize to school and handed them to Stephanie. He congratulated her wholeheartedly and she was thrilled. On the way home after school, his steps were light and full of joy. That night, his dad was very pleased to hear what he had done at school. “(b) I am so proud of you, Steven,” he said. Then, without a word, he handed Steven two Ace Amusement Park tickets and winked.

(C)

“If I don’t tell Stephanie, perhaps she will never know,” Steven thought for a moment. He remembered that the winner would only be notified by mail. As long as he kept quiet, nobody would know. So he decided to sleep on it. The next morning, he felt miserable and his dad recognized it right away. “What’s wrong, (c) Son?” asked his dad. Steven was hesitant at first but soon disclosed his secret. After listening attentively to the end, his dad advised him to do the right thing.

(D)

Reading on, Steven realized the letter had been delivered mistakenly. “Unfortunately,” it should have gone to Stephanie, who was the real winner. (d) He looked at the tickets and then the letter. He had really wanted those tickets. He had planned to go there with his younger sister. Steven was his sister’s hero, and he had bragged to her that he would win the contest. However, if she found out that her hero hadn’t won, she would be terribly disappointed, and (e) he would feel ashamed.

43. Choose the best choice in the order of the given passage (A).

- ① (B) – (D) – (C)                      ② (C) – (B) – (D)  
 ③ (C) – (D) – (B)                      ④ (D) – (B) – (C)  
 ⑤ (D) – (C) – (B)

44. Which of the underlined (a)~(e) is DIFFERENT from the other four?

- ① (a)      ② (b)      ③ (c)      ④ (d)      ⑤ (e)

45. Which of the following does NOT match with the given passage?

- ① Steven sat on the stairs in front of the house and read the letter carefully.
- ② Steven’s steps home after school were heavy.
- ③ Steven’s father advised Steven to do the right thing.
- ④ It was Stephanie who won the essay contest.
- ⑤ Steven was planning to go to an amusement park with his sister.

\* STOP

○ If you finish before time is called, you may check your work and your scantron.