

help of a car.

- ④ Outside the cities the car is considered to be a necessity for running a business.

16-17 Choose the one that best completes the sentence.

16 A satellite is composed of 30 modular units, _____ equipped with a set of sensors.

- ① each of which is
- ② each of which are
- ③ some of which is
- ④ which of them are

17 I had heard so much about her, but she wasn't _____ I expected.

- ① quite so clever as
- ② quite so clever as much
- ③ just clever as much
- ④ just much clever as

18-19 Choose the one that makes the sentence grammatically INCORRECT.

18 Football, often ①confused with soccer in some countries, is a ②fast-moving ③team sports ④played mainly in the U.S. and Canada.

19 I could see mothers trying ①to comfort their frightened children. I could hear ②excited teachers ③telling the school children ④march outside calmly.

20-21 Choose the one that is grammatically INCORRECT.

20

- ① Never have I heard of such a thing.
- ② I advised Liz not to come on Monday.
- ③ Not all people are hard-working.
- ④ I should have not gone to the party.

21

- ① She appears very rich.
- ② She proved more efficient than others.
- ③ She looked anxious about the result.
- ④ She seems coming to the party.

22-50 Read the following passages and answer the questions.

22-23

Chang Ping-i has never forgotten her first visit to a leper village in China. It was 1999; Chang was a high-profile, award-winning journalist with *China Times* in Taipei. Despite the awfulness of what she witnessed there, Chang became deeply moved by the plight of villagers in the more than 800 leper colonies across China. These villagers want nothing more for their children – most of whom are unaffected by the disease – than to be educated and accepted by society.

After returning to Taipei, Chang quit her high-paying job at *China Times*. It was not an easy decision for someone who grew up in an affluent family, but she knew in her heart she had to trade her career and comfortable four-story villa in Taipei to help the children of China's leper villages. Working tirelessly to build schools in the leper villages, she has shed countless tears throughout the years due to anger, frustration, heartbreak and despair, but also out of pride and happiness. In the end, it has always been about the children. "I want these disadvantaged kids to learn to love life, because life is so precious and offers so many possibilities," she says.

22 Which of the following best characterizes the passage?

- ① Inspirational
- ② Promotional
- ③ Logical
- ④ Contemplative

23 Which of the following is NOT true of Chang?

- ① She was born to a rich family.
- ② She was raised in a leper's village.
- ③ She once worked for a newspaper company.
- ④ She is now a philanthropist educator.

24-25

The weekend's stormy weather has really sent the leaves tumbling, and while they might inspire poets and songwriters, they're a nuisance to gardeners. They need to be cleared up as quickly as possible, as they can stop moisture, nutrients and sunlight from reaching the soil. Here's a strong machine that will do the trick. The MD-45 is a really strong machine with metal handles and frame. It is much stronger than some plastic models and it has a really efficient sweeping mechanism. It is simple to push and perfect for the small to medium sized lawn. There is a two-year manufacturer's guarantee and it will be delivered free within one business day. If you think you need this machine, check out our website or call our team at 1-800-800-8000.

24 Which of the following is being advertised in the passage?

- ① A tumble drier
- ② A lawn mower
- ③ A coffee grinder
- ④ A leaf sweeper

25 According to the ad, which of the following is true about the product?

- ① It is useful when the weather is windy.
- ② It inspires poets and songwriters.
- ③ It has plastic handles and a metal frame.
- ④ It can be viewed at the company showroom.

26-27

Dear Mrs. Bergman:

You hate to admit it but most homes are bothered with unwanted insects. With 25 years of operation serving the Jackson area, Tom's Pest Control can get rid of these pests for you. The primary problem in many areas varies from crickets to red ants to termites to field mice – yes, even those in new-home areas adjoining open fields just like yours. Tom's knows your area and gives your problem special attention to your complete satisfaction. We spray your yard and can treat the inside of your house if you wish. We guarantee results and offer references, and our prices are very competitive. Call Tom's now at 800-818-8818 and we will send an expert to discuss our guaranteed solution to your problem. Consultation is absolutely free.

Sincerely,
Tom Silverman

26 What is the purpose of this message?

- ① To promote Tom's pest control service
- ② To announce Tom's new business opening
- ③ To warn against new pests plaguing the house
- ④ To offer a free trial service to Mrs. Bergman

27 Which of the following is true about Mrs. Bergman?

- ① Her home is plagued by many insects.
- ② Her home is in a new-home area.
- ③ She contacted Tom's first for consultation.
- ④ She is completely satisfied by the service by Tom's.

28-30

The Italians had been pre-eminent in finance since the thirteenth century when an Italian merchant brought the Arabic numerical system back from North Africa. This made it easier to run complex accounts in an orderly manner. In the fourteenth century the Italians had also developed the bill of exchange as a means of handling the increasing international trade of the time. The bill allowed merchants to engage in trade without having to carry large amounts of cash on unsafe roads. It took the form of a credit note for a certain amount, payable at a rate agreed to before the merchant left his home, in a specific foreign location for a certain sum of foreign currency. This system needed banks to run it and these evolved gradually from the counters at international fairs where the exchange of money or of credit notes for money took place. Monopoly of these techniques had by the fifteenth century given the Italians control of the European money market.

28 Which of the following is the main topic of the passage?

- ① The history of the Arabic numerical system
- ② The emergence of international market
- ③ The origin of modern banking
- ④ The emergence of foreign currency

29 According to the passage, how did Italian merchants pay for international trade prior to the fourteenth century?

- ① By cash
- ② By a credit note
- ③ By a bill of exchange
- ④ By check

30 Which of the following is NOT stated or implied in the passage?

- ① The Arabic numerical system was introduced to Italy from Africa.
- ② Foreign exchange rates were determined before the merchant left his country.
- ③ A credit note was paid in the country where the sale was transacted.
- ④ The Italian banking system was adopted by other European countries in the 15th century.

31-32

The first specimens of Egyptian writing are about 5,000 years old. At that time there already existed a strong, centralized Egyptian state that controlled the long, low, fertile part of the Nile valley with its large population. We know of this kingdom not only through hieroglyphic inscriptions, but also via thousands of monuments and other relics. The Egyptian state under the Pharaohs surpasses all other political organizations in longevity. The Egyptian language was used officially in the state for around 2,700 years. Only after Alexander's conquest of Egypt in 332 BC was the language pushed into the background in favor of Greek, and not until 300 years later did Egypt cease to be an independent state.

31 According to the passage, which of the following is NOT true about the Egyptian state under the Pharaohs?

- ① It was located along the Nile.
- ② It had a great number of inhabitants.
- ③ Its land was good for farming.
- ④ Its political system was not stable.

32 According to the passage, the Egyptian language ceased to be the dominant language of the Egyptian state -----.

- ① after it stopped being used in inscriptions
- ② when it was prohibited by a king of the state
- ③ after the state was conquered by the Greeks
- ④ when the Greek alphabet was introduced into the state

To forgive may be divine, but no one ever said it was easy. When someone has deeply hurt you, it can be extremely difficult to let go of your grudge. But forgiveness is possible — and it can be surprisingly beneficial to your physical and mental health. "People who forgive show less depression, anger and stress and more hopefulness," says Frederic Luskin, Ph.D., author of *Forgive for Good*. "So it can help save on ①the wear and tear on our organs, reduce the wearing-out of the immune system, and allow people to feel more vital." If you want to begin the healing process, this is what you need to do first: Calm yourself. To defuse your anger, try a simple stress-management technique. Take a couple of breaths and think of something that gives you pleasure: a beautiful scene in nature, someone you love.

33 Which of the following is closest in meaning to ①?

- ① Abuse
- ② Blemish
- ③ Damage
- ④ Disfigurement

34 Which of the following is NOT true of the passage?

- ① Forgiving can help restore our health from impairment.
- ② Healing through forgiveness requires peace of mind first.
- ③ Forgiving is sometimes amazingly simple and easy.
- ④ Getting rid of resentment is difficult to achieve.

35-37

In 1997, I found myself in a situation I never thought I'd be in: alone and begging for money in New York. I was a 16-year old girl, homeless, and desperately searching for a high school that would let me enroll after years of truancy. My father had been estranged from our family, my mother had recently died from complications related to AIDS, and I'd spent the few months since her death sleeping in friends' homes or on a staircase landing in some random building in the Bronx.

My life today bears no resemblance at all to my life then. I graduated not only from high school but also from Harvard University. I no longer wear tattered clothes or sleep in hallways. Instead, I am safe each night in my own apartment in Manhattan. My passion for the past 11 years has been to travel around the world helping people transform their own lives. In short, I am ①_____ my former self.

Oddly enough, even after all that I've been through — and maybe because of it — I believe that a certain amount of want is healthy. In fact, freedom from want was never my goal. Indeed, ②want served as a catalyst for my dreams, not a hindrance, and my dreams have always been what motivates me.

35 Which of the following best describes the author's transformation?

- ① From extreme poverty to extreme riches
- ② From a beggar to a successful, independent individual
- ③ From a runaway to a world-famous educator
- ④ From a highschool dropout to a proud Harvard candidate

36 From the context, which of the following best fits into ①?

- ① in search of
- ② suffering from
- ③ unrecognizable from
- ④ reverting to

37 Which of the following is closest in meaning to ②?

- ① Dreams in fact consist of covetous desires.
- ② Poverty positively stimulated me to pursue my dreams.
- ③ Dreams cannot be a reality unless you eagerly want them to be.
- ④ Dreams do not take shape without material insufficiency.

38-40

Losing weight has been viewed as a matter of personal responsibility, a private battle between dieters and their bathroom scales. But a growing number of studies suggest that, while willpower obviously plays a role, people do not gorge themselves solely because they lack self-control. Rather, a host of environmental factors can influence the amount the average person consumes. First of all, price is a powerful influence. In a series of studies, researchers at the University of Minnesota have demonstrated that the relative cost of different products has an even more potent effect on food choice than nutritional labeling. Second, _____ also appears to make people eat more. In one study, Dr. Barbara Rolls at Pennsylvania State University has found that research subjects ate more when offered sandwiches with four different fillings than they did when they were given sandwiches with their single favorite filling. In another study, participants served a four-course meal with meat, fruit, bread, and a pudding ate 60 percent more food than those served an equivalent meal of only their favorite course. Finally, the availability of food has an effect as well. Dr. Wansink and his colleagues varied the placement of chocolate candy in work settings over three weeks. When the candy was in plain sight on workers' desks, they ate an average of nine pieces each. Storing the sweets in a desk drawer reduced consumption to six pieces. And chocolates lurking out of sight, a couple of yards from the desk, cut the number to three pieces per person.

38 Which of the following best fits in the blank?

- ① having simple fillings
- ② having more choices
- ③ taking smaller portions
- ④ placing nutritional stickers

39 Which of the following is mentioned as a way to deter excessive eating?

- ① Lowering the price of food
- ② Placing food out of sight
- ③ Reducing the serving size and amount
- ④ Putting a label indicating fat content

40 According to the passage, which of the following is important in controlling the amount of food consumption?

- ① Weight monitoring
- ② Willpower
- ③ Environmental factors
- ④ Willpower and environmental factors

41-42

Cow's milk is the primary source of vitamin D for children, but dairy products can interfere with the body's absorption of iron. Pediatricians have never known how much milk a child should be drinking. Now researchers have established that for most children two cups a day achieves the right balance. Canadian scientists studied more than 1,300 healthy 2- to 5-year-olds, collecting data on diet and physical activity. They took blood samples to measure iron and vitamin D levels. The study found that after adjusting for other factors, two cups a day was enough to maintain sufficient vitamin D without affecting iron levels. But bottle use, season of the year, skin pigmentation and body mass index had significant effects on the optimal amounts of milk. Children with darker skin, for example, needed three to four cups of milk to get sufficient vitamin D in winter. Those who used only a bottle failed to maintain sufficient stores of vitamin D and iron.

41 Which of the following is the passage mainly about?

- ① Dairy products that are good for our body
- ② Some factors affecting absorption of vitamin D
- ③ The amount of milk children should drink in a day
- ④ Ways to determine the appropriate amount of iron for children

42 Which of the following is NOT stated or implied in the passage?

- ① Children need more milk as the temperature goes up.
- ② Children should maintain balanced levels of iron and vitamin D.
- ③ Skin color affects the daily amount of milk required for children.
- ④ Drinking milk has an effect on iron absorption.

43-44

Does playing video games help your brain? Ask a parent or teacher, and the answer will probably be "no." However, recent research suggests that this answer may not be correct. One university professor believes that video games can exercise the mind and help us develop skills. They can teach us to keep track of patterns and understand systems. The professor argues that these games are successful because they followed one of the most important principles of learning: Learning is most effective when _____. When learners become good at something, their success makes them feel happy, and they want to continue. However, if they get too good at it, they will become bored. This is why video games are so effective. When learners become good at one level, the game gets harder. So they always face a challenge. Our brains work best when there is a challenge. Perhaps parents and teachers should also take advantage of this opportunity to increase their brain power!

43 Which of the following best fits in the blank?

- ① a task helps learners develop adequate skills
- ② a task pushes the limits of learners' abilities
- ③ learners feel comfortable with a task
- ④ learners complete a task fast

44 Which of the following best expresses the main idea of the passage?

- ① Video games may actually enhance brain development.
- ② Video games become more popular when there is a challenge.
- ③ Video games are boring once you become too good at them.
- ④ Video games become more interesting as they get harder.

45-47

Grupo M defies the stereotypical image of garment manufacturers found in many Third World countries. The company is not a sweatshop nor does it employ child labor. Its factories are clean, brightly lit, and pleasant places to work. The company's founder, Fernando Capellan, envisioned an exemplary business that would be an innovator in the garment industry. And Grupo M has earned a reputation as a remarkably progressive employer whose labor practices strengthen it. For instance, in 1999, it earned a corporate conscience award for "empowering employees." Capellan says, "We have proven that you don't have to run a factory like a sweatshop in order to be profitable and to grow. In fact, we believe that we have been able to innovate, to expand, and to do what we have done because of the way that we treat our people. Everything that we give to our workers gets returned to us in terms of efficiency, quality, loyalty, and innovation. It's just smart business."

45 Which of the following is the best title for this passage?

- ① Garment Industry Keeping Wary Eye on Grupo M
- ② Grupo M Announces Ban on Child Labor
- ③ Grupo M's Secret of Success: A Humane Workplace
- ④ Garment Industry Darling Announces Record Profit

46 According to the passage, which of the following is implied as a way of boosting profits? are not.

- ① Motivating employees by offering challenging work
- ② Engaging employees in fast-paced, mind-numbing work
- ③ Hiring a quality control inspector
- ④ Meeting the needs of employees

47 Which of the following is true about Fernando Capellan?

- ① He tried to help children by hiring them.
- ② He plans to launch a corporate business.
- ③ He founded a clothing company.
- ④ He insists on using eco-friendly materials.

48-50

Particle pollution is the term for a mixture of solid particles and liquid droplets found in the air. Some particles, such as dust, dirt, soot, or smoke, are large or dark enough to be seen with the naked eye. Others are so small they can only be detected using an electron microscope. Particle pollution includes "inhalable coarse particles," with diameters larger than 2.5 micrometers and smaller than 10 micrometers and "fine particles," with diameters that are 2.5 micrometers and smaller. How small is 2.5 micrometers? The average human hair is about 70 micrometers in diameter – making it 30 times larger than the largest fine particle. These particles come in many sizes and shapes and can be made up of hundreds of different chemicals. Some particles, known as primary particles, are emitted directly from a source, such as construction sites, unpaved roads, fields, fires, etc. Others form in complicated reactions in the atmosphere of chemicals such as sulfur dioxides and nitrogen oxides that are emitted from power plants, industries, automobiles, etc. These particles, known as secondary particles, make up most of the fine particle pollution in the country.

48 Which of the following is the best title of the passage?

- ① What Is Particle Pollution?
- ② How Do Particles Pollute the Air?
- ③ How Is Particle Pollution Tackled?
- ④ Why Does Particle Pollution Require Attention?

49 From what can be inferred from the passage, which one of the following pairs matches the sources of primary and secondary particles, in that order?

- ① Tunnel drilling – Wind-blown desert
- ② Forest fire – Motorcycle
- ③ Farming machine – Electrically powered train
- ④ Airplane – Trash-burner

50 Which of the following is NOT true of the passage?

- ① Coarse and fine particles are not in uniform sizes and colors.
- ② Particles from primary sources are the major air pollutant.
- ③ Polluting particles have diverse shapes and compositions.
- ④ Some particles are visible with the naked eye, while others