Unit 5: INVENTIONS

TEST 2

Mark the letter A, B, C, or D on your answer sheet to indicate the word whose underlined part differs from that of the other three in pronunciation in each of the following questions.

Question 1: A. st**o**rage   **B.** lapt**o**p   **C.** s**o**ftware   **D.** m**o**nitor

Question 2: A. sui**t**able   **B.** lap**t**op   **C.** ar**t**ificial   **D.** applica**t**ion

Mark the letter A, B, C, or D on your answer sheet to indicate the word that differs from the other three in the position of stress in each of the following questions.

Question 3: A. processor   **B.** application   **C.** suitable   **D.** laboratory

Question 4: A. apply   **B.** device   **C.** display   **D.** reader

Mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the following questions.

Question 5: Scientists _____ tests in laboratories to make sure the new invention is safe.
   A. put out   **B.** go out   **C.** hand out   **D.** carry out
Question 6: The newest iPhone includes _____ that helps it process work faster.
   A. hardware   **B.** software   **C.** device   **D.** equipment
Question 7: Scientists _____ a new material that makes inventions stronger.
   A. have just discovered   **B.** has just discovered   **C.** just have discovered   **D.** just has discovered
Question 8: Sam is thinking about _____ for the IT position in NewTeach company.
   A. apply   **B.** applied   **C.** applying   **D.** to apply
Question 9: _____ new ideas, some scientists have to stay in their laboratory for days.
   A. Developing   **B.** To develop   **C.** Develop   **D.** Development

Read the following advertisement/announcement and mark the letter A, B, C, or D on your answer sheet to indicate the correct option that best fits each of the numbered blanks from 10 to 15.

INTRODUCING A REVOLUTIONARY NEW INVENTION!

Are you searching (10)_____ the latest technology that will transform your daily life?

Discover TechPro's (11)_____ new invention:

● Advanced features for maximum convenience

● Affordable prices

● Reliable and easy (12)_____.

Contact us:

Email: techpro@innovate.mail

Address: 500 Invention Drive, Tech City

Question 10: A. up   **B.** after   **C.** for   **D.** at

Question 11: **A.** remarkable   **B.** regular   **C.** common   **D.** outdated

Question 12: **A.** using   **B.** to use   **C.** used   **D.** to using

---

ANNOUNCEMENT OF NEW INVENTION LAUNCH EVENT

The Tech Innovations Club would like to announce:

✓ All members are invited **(13)_____** the New Invention Launch Event on March 20.

✓ Each participant is encouraged to bring a friend interested in **(14)_____** .

✓ Participants are invited to present one **(15)_____** idea or concept openly with others during the event.

Should you have any questions, please contact the event organizer.

Question 13: A. to attend   **B.** attending   **C.** to attending   **D.** attend

Question 14: A. technology   **B.** processor   **C.** e-reader   **D.** smartphone

Question 15: A. innovation   **B.** innovate   **C.** innovative   **D**. innovated

Mark the letter A, B, C, or D on your answer sheet to indicate the correct arrangement of the sentences to make a meaningful paragraph/letter in each of the following questions.

Question 16:

a. Additionally, smartphones have become essential tools for work, education, and personal life.

b. Finally, they allow us to stay connected with family and friends, no matter where we are.

c. Firstly, smartphones offer convenience by enabling quick access to information and services.

d. Moreover, smartphones support a wide range of apps that enhance productivity and entertainment.

e. Smartphones are now an integral part of modern life, impacting how we communicate and live.

    A. e – c – d – a – b   **B.** c – e – d – a – b

    C. e – a – d – c – b   **D.** c – d – e – a – b

Question 17:

a. Besides, using a computer can be enjoyable and can enhance productivity in various tasks.

b. Dear John, I hope you are doing well! I've been reflecting on why computers are so important in our lives today.

c. They allow us to complete tasks efficiently and access a wealth of information.

d. Firstly, computers teach us the value of problem-solving and logical thinking.

e. Also, using computers regularly helps develop technical skills and adaptability.

f. Best regards.

    A. b – d – e – a – c – f   **B.** b – c – a – d – e – f

    C. b – d – c – e – a – f   **D.** b – e – a – d – c – f

Mark the letter A, B, C, or D on your answer sheet to indicate the correct option that best fits each of the numbered blanks from 18 to 23.

      A computer has many important parts that help it work well. One of the most essential parts is the central processing unit (CPU), **(18)_____**. The CPU processes countless instructions to make the computer run smoothly. **(19)_____** is the memory, or RAM, which stores

information temporarily. RAM is essential to keep the computer fast when running multiple tasks. Over the years, **(20)**_____ because of improvements in these parts.

The hard drive or SSD is where all the data is stored. It is important **(21)**_____ to save documents, photos, and software. For better visuals, computers also have a graphics card, which makes images and videos clear and sharp. Many people like to use their computer for **(22)**_____, and a strong graphics card is helpful for that.

Other essential parts are the keyboard and mouse, which make it easy to type and click on things. People also like using the computer screen, **(23)**_____. Using these parts is easy and allows us to work, play, and learn on a computer every day.

Adapted from: https://news.google.com

Question 18: A. often called the brain of the computer

      B. being the most popular device in the computer

      C. keeping all the charger and the buttons

      D. communicating with the users of the e-reader

Question 19: A. Other key part   **B.** Some key parts

      C. Another key part   **D.** The other key part

Question 20: A. they have been become faster and efficient

      B. computers have become faster and more efficient

      C. computers became faster and more efficient

      D. they were become faster and more efficient

Question 21: A. having enough storage space   **B.** to have enough storage space

      C. to having enough storage space   **D.** have enough software

Question 22: A. gaming or watch movies   **B.** to play game or watch movies

      C. to game or to watch movies   **D.** gaming or watching movies

Question 23: A. that shows everything we do   **B.** what shows us how to do everything

      C. which shows everything we do   **D.** who shows us how to do everything

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct option that best fits each of the numbered blanks from 24 to 28.

An e-reader is a small electronic **(24)**_____ designed for reading digital books, also known as e-books. It is portable and lightweight, with a screen that displays text in a way similar to a physical book. **(25)**_____ e-readers, like the Kindle or Kobo, can store thousands of books, making it easy for readers to carry a large collection wherever they go. Unlike regular screens on tablets or smartphones, e-readers use e-ink technology, which reduces glare and is gentle on the eyes, creating a comfortable reading experience.

E-readers also offer helpful features that enhance reading. For example, readers can adjust the font size to make text easier **(26)**_____ , bookmark pages to save their spot, and even look up definitions with a simple touch. Additionally, some e-readers come with built-in backlights, **(27)**_____ users to read comfortably in the dark without needing an extra light source. Besides books, many e-readers support

magazines, newspapers, and even audiobooks, adding to their versatility. Moreover, the convenience of an e-reader is a major benefit, as it saves physical space and allows instant access to new books through online stores. **(28)**_____ some people still prefer physical books for the sensory experience, an e-reader is a practical and eco-friendly option for book lovers on the go.

Adapted from: https://techcrunch.com

Question 24: A. processor   **B.** device   **C.** hardware   **D.** application

Question 25: A. Population   **B.** Populate   **C.** Popularity   **D.** Popular

Question 26: A. to read   **B.** reading   **C.** read   **D.** to reading

Question 27: A. allowed   **B.** to allow   **C.** allowing   **D.** allow

Question 28: A. When   **B.** Where   **C.** While   **D.** Which

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the questions from 29 to 33.

Driverless cars, also called self-driving cars, are vehicles that use artificial intelligence (AI) to drive without a human driver. These cars have special sensors and cameras that help them see the road, detect obstacles, and avoid accidents. AI helps the car understand road signs, traffic lights, and other cars around it. This technology is developing fast and aims to make driving safer and easier.

One major advantage of **driverless cars** is that they reduce human mistakes. Many car accidents happen because of human errors, such as speeding or not paying attention. With AI, driverless cars follow all traffic rules and drive carefully, lowering the risk of accidents. Another benefit is convenience, as people can relax or do other tasks while the car drives.

However, there are still challenges. Some people worry about the safety of driving **them**, especially in complex driving situations, like busy city streets. The technology also needs to be tested more to ensure it works perfectly in all conditions. Overall, driverless cars are an exciting new development that could change the way we travel in the future.

Adapted from: https://sanantonioreport.org

Question 29: What is the main idea of the passage?

    A. The AI technology behind driverless cars.

    B. The benefits and challenges of using driverless cars.

    C. How driverless cars follow traffic rules in city.

    D. Different types of AI used in driverless cars.

Question 30: What does the word "**them**" in the first paragraph refer to?

    A. people   **B.** situations   **C.** cars   **D.** benefits

Question 31: The word "**driverless cars**" in the second paragraph means _____.

    A. cars that need a human to control them   **B.** cars that do not need human be inside

    C. cars that need human be inside   **D.** cars that do not need a human to control them

Question 32: According to the passage, one of the advantages of driverless cars is:

    A. They make car travel cheaper.   **B.** They reduce human errors on the road.

C. They require human drivers to supervise.   **D.** They drive faster than human drivers.

Question 33: According to the passage, which of the following is **NOT** true about driverless cars?

A. They use AI to drive without a human.   **B.** They can detect obstacles and avoid accidents.

C. They always follow traffic rules.   **D.** They have been fully tested in all conditions.

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the questions from 34 to 40.

In recent years, the world has witnessed an exciting development in technology: the combination of 3D printing and artificial intelligence (AI). This new technology enables us to create objects with incredible precision and customization. It is revolutionizing many industries, such as healthcare, automotive, and construction.

Firstly, let's understand what 3D printing is. It is a process that creates physical objects from digital models by adding material layer by layer. With the help of AI, the design and production process become even more efficient and accurate. AI algorithms analyze data to **display** the design, making it lighter, stronger, or more functional, depending on the intended use.

One example of this technology is in the medical field. Doctors can use 3D printing and AI to create customized prosthetics for patients. By scanning the patients' body, the AI can create a digital model that perfectly fits **their** unique shape and size. This results in a more comfortable and functional prosthetic than traditional methods.

Another example is in the automotive industry. Car manufacturers can use 3D printing and AI to produce parts that are lighter and stronger than traditional methods. This results in cars that are more fuel-efficient and safer. Additionally, the use of AI algorithms allows for rapid prototyping, reducing the time and cost of production.

Lastly, the construction industry is also benefiting from this technology. Architects can use 3D printing and AI to create **complex** structures that would be difficult or impossible to build using traditional methods. The AI can analyze data to optimize the design, making it stronger, lighter, and more energy efficient. Additionally, 3D printing allows for rapid construction, reducing the time and cost of building.

Adapted from: https://www.theverge.com

Question 34: What is the main idea of the passage?

    A. How 3D printing and AI can reduce production costs in industries.

    B. The impact of combining 3D printing and AI on different industries.

    C. Different ways to use AI technology to design three-dimensional objects.

    D. How doctors use 3D printing and artificial intelligence in the medical field.

Question 35: The word "**display**" in the passage is closest in meaning to _____.

    A. apply   **B.** charge   **C.** install   **D.** show

Question 36: The word "**complex**" in the passage is opposite in meaning to _____.

    A. complicated   **B.** artificial   **C.** synthetic   **D.** simple

Question 37: According to the passage, 3D printing can help doctors by:

A. analyzing patients' needs for prosthetics. **B.** creating prosthetics that fit patients better.

C. speeding up medical diagnosis. **D.** making surgeries safer for patients.

Question 38: The word "**their**" in the second paragraph refers to _____.

A. patients' **B.** doctors' **C.** methods' **D.** prosthetics'

Question 39: Which of the following is **NOT** mentioned in the passage?

A. AI can help optimize designs in 3D printing. **B.** 3D printing allows rapid prototyping in car production.

C. AI and 3D printing are mainly used in schools. **D.** AI algorithms can help make structures lighter.

Question 40: It can be inferred from the passage that combining 3D printing with AI:

A. improves efficiency and customization in various fields.

B. requires expensive and complex materials for production.

C. is only useful in the healthcare and manufacture industry.

D. can be done without data analysis and careful caculations.

------------------HẾT------------------

- Thí sinh không được sử dụng tài liệu;

- Giám thị không giải thích gì thêm.