GLOBAL SUCCESS 10 – FIRST TERM TEST – TEST 2

Read the following passage and choose the correct answer A, B, C, or D to complete each blank from 1 to 5.

AI-POWERED E-WASTE RECYCLING

An electronics company has introduced an AI-powered robot that sorts discarded devices before their components are recycled. The system was developed to improve safety and efficiency in recycling centres that handle large volumes of electronic waste. During initial trials, (1) _____. This dual capability reduced the need for manual sorting. The central finding was (2) _____. That distinction is essential when damaged cells cannot be identified visually. (3) _____, the robot processed thousands of items without exposing workers to toxic substances. The trial produced encouraging safety data. A series of updated sensors and cameras (4) _____. The upgraded model now identifies previously misclassified components. The system is expensive. (5) _____. Several manufacturers are monitoring the pilot results. Their interest reflects potential long-term savings and environmental benefits.

Question 1.

A. Not only the machine identified battery types with greater accuracy, but it also separated hazardous materials from reusable metals.

B. Not only did the machine identified battery types with greater accuracy, but it also separated hazardous materials from reusable metals.

C. Not only did the machine identify battery types with greater accuracy, but it also separated hazardous materials from reusable metals.

D. Not only did the machine identify battery types with greater accuracy, but it also increased the volume of hazardous waste sent to landfills.

Question 2.

A. that the system could distinguish damaged batteries from intact ones under poor lighting

B. that the system could identify intact batteries only when the lighting was switched off

C. that could the system distinguish damaged batteries from intact ones under poor lighting

D. what the system could distinguish damaged batteries from intact ones under poor lighting

Question 3.

A. Having tested in a high-volume recycling facility

B. Having been testing in a high-volume recycling facility

C. Having been advertised in a high-volume recycling facility

D. Having been tested in a high-volume recycling facility

Question 4.

A. have improved the machine's ability to recognise unfamiliar models

B. has improved the machine's ability to recognise unfamiliar models

C. are improving the machine's ability to recognise unfamiliar models

D. has reduced the machine's ability to recognise unfamiliar models

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Question 5.

A. Therefore, its capacity to recover valuable materials may offset the initial investment.

B. For instance, its capacity to recover valuable materials may offset the initial investment.

C. Nevertheless, its capacity to recover valuable materials may offset the initial investment.

D. Similarly, its capacity to recover valuable materials may offset the initial investment.

Choose the letter A, B, C, or D to indicate the correct arrangement of the sentences to make a meaningful conversation or text in each of the following questions.

Question 6.

a. The school is planning to introduce a digital platform for sharing science-project resources.

b. Will students be able to upload their own designs and receive feedback from classmates?

c. That should make it easier for teams to refine their prototypes before the annual exhibition.

d. Yes, the platform will support file sharing, discussion threads and collaborative editing.

A. a – b – d – c **B.** b – a – d – c **C.** a – d – b – c **D.** b – d – a – c

Question 7.

a. I have considered entering the competition, but I still need to collect reliable data on how much electricity my device saves.

b. The organisers accept prototypes supported by clear test results and a practical explanation.

c. Have you considered entering the regional invention challenge with your energy-saving device?

d. In that case, I will run another trial before submitting the application.

A. a – c – b – d **B.** c – a – b – d **C.** a – b – c – d **D.** c – b – a – d

Question 8.

a. Within two weeks, the council had repaired several faults that might otherwise have remained unreported.

b. I am writing to share the outcome of our trial of a mobile application for reporting broken streetlights.

c. Residents used the application to submit photographs and location details directly to the maintenance team.

d. We recommend extending the trial to other districts, where similar reporting delays have been recorded.

A. b – a – c – d **B.** c – b – a – d **C.** b – c – a – d **D.** c – a – b – d

Question 9.

a. Participants will work in small teams to develop solutions to practical environmental problems.

b. Each team will have access to recycled materials, basic electronic components and design software.

c. Please register by 10 December so that the organisers can prepare sufficient equipment.

d. The innovation workshop will take place in the school hall on 18 December.

A. a – d – b – c **B.** d – b – a – c **C.** a – b – d – c **D.** d – a – b – c

Question 10.

a. The widespread adoption of smart home devices has increased the amount of personal data collected by household technologies.

b. Without appropriate safeguards, information about daily routines and energy use may be accessed by unauthorised parties.

c. Manufacturers should therefore apply strong encryption, transparent data policies and regular security updates.

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d. These measures can strengthen consumer trust while allowing the practical benefits of connected devices to be retained.

A. a – b – c – d **B.** b – a – c – d **C.** a – c – b – d **D.** b – c – a – d

Read the following leaflet and choose the option A, B, C, or D that best fits each numbered blank from 11 to 16.

GREEN ENERGY SHOWCASE

The Green Energy Showcase will introduce inventions designed to make renewable power more accessible. It will be held on Saturday, 19 December, from 10 a.m. to 5 p.m. at the City Exhibition Hall. Entry is free with online registration. Visitors can explore **(11)** _____ technologies that can be adapted for homes, schools and small businesses. By the end of the event, all demonstration units **(12)** _____ under operating conditions by technicians. Exhibitors will also explain how solar panels and energy-storage systems can **(13)** _____ electricity costs and reduce reliance on fossil fuels. The showcase is organized **(14)** _____ the city's climate-action plan. The organisers expect the event to be **(15)** _____ popular that additional viewing sessions may be arranged. Not every household can afford a full system, but **(16)** _____ can begin by installing a small solar device. Register before 16 December.

Question 11. A. obsolete **B.** scalable **C.** fictional **D.** disposable

Question 12. A. are tested **B.** have been tested **C.** will have been tested **D.** had been tested

Question 13. A. impose **B.** generate **C.** intensify **D.** offset

Question 14. A. in line with **B.** in return for **C.** in favour of **D.** in addition to

Question 15. A. such **B.** so **C.** too **D.** very

Question 16. A. few **B.** much **C.** many **D.** a little

Read the following passage and choose the correct answer A, B, C, or D to each of the questions from 17 to 26.

Medical Inventions: Extending Human Life Through Innovation

Medical technology has undergone remarkable transformations over the past century. Inventions such as antibiotics, diagnostic imaging equipment and artificial organs have significantly improved the ability of healthcare professionals to prevent, identify and treat diseases. More recently, developments in biotechnology, wearable devices and robotic surgery have expanded the possibilities of modern medicine. These innovations have not only increased survival rates for certain conditions but have also improved the quality of life for individuals living with chronic illnesses. Nevertheless, technological progress in healthcare raises important questions concerning affordability, accessibility and the responsible use of medical information.

One particularly influential development is the use of robotic systems in surgical procedures. These systems allow surgeons to control specialised instruments with considerable precision, sometimes through small incisions that would be difficult to manage using conventional techniques. **[I]** Such procedures may reduce tissue damage and shorten recovery periods for certain patients. **[II]** In addition, advanced imaging technologies provide surgeons with detailed views of internal structures before and during operations. **[III]** However, robotic equipment does not operate independently of medical professionals. **[IV]** Surgeons must receive specialised training and remain responsible for interpreting information and making critical decisions throughout the procedure. The technology therefore enhances certain aspects of surgical practice without removing the need for professional expertise.

Wearable medical devices represent another important innovation. Smart watches and specialised sensors can monitor indicators such as heart rate, physical activity and, in some cases, blood oxygen levels. Patients with

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particular medical conditions may use these devices to track changes and share relevant information with healthcare providers. Continuous monitoring can help identify unusual patterns that might otherwise remain unnoticed between medical appointments. However, **these** devices should not automatically be regarded as substitutes for professional diagnosis. Their accuracy may vary according to device quality, measurement conditions and individual characteristics. Misinterpreting collected information can also cause unnecessary anxiety or lead users to overlook symptoms that require medical attention. Appropriate guidance is therefore essential when integrating wearable technology into healthcare.

Despite these advances, access to medical inventions remains uneven. Advanced diagnostic equipment and robotic surgical systems are expensive to purchase, maintain and operate. Hospitals in economically disadvantaged regions may lack the funding and trained personnel required to adopt them. Furthermore, the collection of sensitive medical information creates responsibilities concerning patient privacy and data security. Governments and healthcare institutions should establish appropriate regulations while supporting research and investment in accessible technologies. Medical innovation should ultimately be evaluated not only by its technical sophistication but also by its ability to improve healthcare outcomes across different populations. **A *sustainable* medical system requires innovation to be accompanied by affordability, professional competence and equitable access.** Without these conditions, technological progress may benefit only a limited proportion of society.

Question 17. According to paragraph 1, what has been one major contribution of medical inventions?

A. Eliminating the need for professional healthcare services.

B. Preventing all chronic illnesses through early diagnosis.

C. Reducing the cost of every medical treatment.

D. Improving disease treatment and the quality of life for certain patients.

Question 18. The word **sustainable** in paragraph 4 is closest in meaning to _____.

A. capable of continuing effectively over time

B. dependent on expensive technological equipment

C. restricted to economically developed regions

D. designed to produce immediate medical results

Question 19. The word **These** in paragraph 3 refers to _____.

A. medical appointments **B.** wearable medical devices **C.** healthcare providers **D.** unusual patterns

Question 20. Which of the following is NOT stated or implied in the passage?

A. Robotic systems may allow surgeons to perform procedures with greater precision.

B. Wearable devices can help patients monitor certain health indicators.

C. Advanced medical equipment may be financially inaccessible to some hospitals.

D. Wearable medical devices can provide completely reliable diagnoses without professional supervision.

Question 21. Where in paragraph 2 does the following sentence best fit?

"By minimising the size of surgical openings, they can sometimes limit the disruption to surrounding tissues."

A. [I] **B.** [II] **C.** [III] **D.** [IV]

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Question 22. Which of the following best paraphrases the underlined sentence in paragraph 4?

A. Medical systems should prioritise purchasing advanced equipment before considering the availability of trained personnel.

B. Medical development can be maintained only when private hospitals independently finance technological research.

C. Long-term improvements in healthcare depend on affordable innovations, skilled professionals and fair access.

D. Sustainable healthcare requires replacing traditional medical procedures with advanced technologies.

Question 23. What can be inferred from the passage about wearable medical devices?

A. They are most beneficial when users interpret all collected information without medical assistance.

B. They may support healthcare decisions, but their information needs to be interpreted carefully.

C. They are likely to replace regular medical appointments as their accuracy improves.

D. They are unsuitable for patients who need continuous monitoring of their health.

Question 24. Which of the following best explains the connection between robotic surgery in paragraph 2 and wearable devices in paragraph 3?

A. Both inventions demonstrate that medical professionals can be replaced by automated technologies.

B. Both technologies are primarily intended to reduce the financial burden of hospital management.

C. Both innovations depend on patients having access to advanced surgical equipment.

D. Both can improve aspects of healthcare while still requiring professional judgement and appropriate use.

Question 25. Which of the following best summarises the passage?

A. Medical inventions have improved healthcare through advanced surgical systems and wearable devices, but their benefits depend on professional expertise, affordability and equitable access.

B. Robotic surgery and wearable technology are expected to eliminate most traditional medical procedures in the near future.

C. Advanced medical technologies should be introduced exclusively in wealthy hospitals to ensure their effective operation.

D. Medical innovation has mainly increased healthcare costs without producing significant improvements in patient outcomes.

Question 26. Which of the following is the best title for the passage?

A. The Financial Difficulties of Modern Healthcare Institutions

B. Why Traditional Medical Treatments Are Becoming Unnecessary

C. Medical Innovation: Improving Healthcare and Addressing Inequality

D. The Replacement of Medical Professionals by Intelligent Machines

Read the following news update and choose the best answer A, B, C, or D to complete each numbered blank from 27 to 32.

SOLAR-POWERED TECHNOLOGY PROJECT EXPANDS LOCALLY

A local technology centre has announced the expansion of its solar-powered innovation project, which aims to introduce affordable renewable energy solutions to disadvantaged communities. **(27)** _____ the organization had invested in more efficient solar panels earlier, it could have reduced its operating expenses considerably. The project

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will provide households with solar-powered lighting systems and energy-monitoring devices. Equipment **(28)** _____ to participating families will be accompanied by detailed installation instructions. Residents must comply **(29)** _____ the installation guidelines to ensure that the systems operate safely and efficiently. **(30)** _____ the initial financial challenges, the organisation remains committed to expanding access to renewable energy. The center plans to **(31)**_____ additional funding to research more affordable storage technologies. The more accessible renewable energy becomes, the **(32)** _____ dependent communities will be on conventional electricity sources.

Question 27. A. Were	**B.** Had	**C.** Should	**D.** Would
Question 28. A. distributing	**B.** having distributed	**C.** distributed	**D.** to distributing
Question 29. A. to	**B.** at	**C.** with	**D.** for
Question 30. A. Although	**B.** Because	**C.** Despite	**D.** Therefore
Question 31. A. implement	**B.** allocate	**C.** accommodate	**D.** comply
Question 32. A. little	**B.** least	**C.** less	**D.** lesser

Read the following passage and choose the best answer A, B, C, or D to each of the following questions from 33 to 40.

Medical Wearables: Monitoring Health Beyond Hospitals

Recent advances in wearable technology have changed the way individuals monitor aspects of their health. Devices such as smartwatches, fitness bands and specialised sensors can collect information about heart rate, physical activity and sleep patterns. Unlike traditional medical equipment used mainly in hospitals, many wearable devices are designed for continuous use in everyday environments. Their growing popularity reflects an increasing interest in preventive healthcare and personal responsibility for maintaining well-being.

One important application involves monitoring people with long-term health concerns. Certain wearable devices can detect unusual changes in heart rhythm and notify users when further medical attention may be necessary. Other products help individuals track their daily movement, encouraging them to adopt more active lifestyles. For elderly people living independently, some monitoring systems can also send alerts to family members if unusual activity patterns are detected. However, these devices are not perfect diagnostic tools, and **their** readings may sometimes be affected by movement, poor sensor contact or technical limitations.

Although wearable devices can provide useful health information, they should be regarded as supportive instruments rather than substitutes for professional medical assessment. A smartwatch may indicate an irregular heartbeat, for example, but only qualified healthcare professionals can determine its clinical significance through appropriate examinations. Users who interpret every unusual reading as evidence of a serious condition may experience unnecessary anxiety. Conversely, those who ignore **persistent** warning signs simply because a device reports normal measurements may delay seeking medical advice.

The widespread adoption of medical wearables also raises questions about data protection and accessibility. Health information is highly personal, so manufacturers must ensure that collected data is stored securely and shared only with proper authorisation. In addition, advanced devices may not be **affordable** for people with limited incomes, creating unequal access to technological benefits. Healthcare providers and policymakers should therefore consider both affordability and privacy when introducing digital health solutions. If these concerns are addressed, wearable

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technology could contribute to more informed healthcare decisions and encourage individuals to take a more active role in managing their health.

Question 33. What is the main purpose of the passage?

A. To explain the benefits and limitations of wearable health technology and the issues surrounding its use.

B. To compare the medical training programmes offered by hospitals and technology companies.

C. To argue that traditional medical examinations are no longer necessary.

D. To describe the manufacturing process of modern fitness equipment.

Question 34. The word "**their**" in paragraph 2 refers to _____.

A. elderly people **B.** family members

C. wearable devices **D.** unusual activity patterns

Question 35. Which of the following best paraphrases the underlined sentence in paragraph 3?

A. Wearable devices are reliable enough to replace medical professionals in most routine examinations.

B. Health-monitoring technology can assist medical decisions but cannot take the place of expert evaluation.

C. Professional medical assessments are necessary only when wearable devices fail to produce readings.

D. Individuals should avoid using wearable devices because their information is generally inaccurate.

Question 36. The word "**persistent**" in paragraph 3 is closest in meaning to _____.

A. temporary **B.** occasional **C.** unexpected **D.** continuing

Question 37. The word "**affordable**" in paragraph 4 is OPPOSITE in meaning to _____.

A. inexpensive **B.** accessible **C.** costly **D.** economical

Question 38. Which of the following is NOT supported by the passage?

A. Certain wearable devices can alert users to unusual changes in heart rhythm.

B. Technical problems may affect the accuracy of information collected by wearable devices.

C. Manufacturers should protect users' personal health information.

D. Normal readings from wearable devices guarantee that users do not have medical problems.

Question 39. In which paragraph does the writer explain how an inaccurate interpretation of technological information could influence an individual's decisions about seeking medical help?

A. Paragraph 1 **B.** Paragraph 2 **C.** Paragraph 3 **D.** Paragraph 4

Question 40. What can be inferred from the passage?

A. Wearable technology may be more beneficial when users understand its limitations and combine its information with professional advice.

B. People who own advanced smartwatches are generally healthier than those who do not.

C. Healthcare providers should encourage patients to rely primarily on automated health-monitoring systems.

D. The expansion of wearable technology will inevitably eliminate inequalities in healthcare access.

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