UNIT 6. ARTIFICIAL INTELLIGENCE

(TỪ VỰNG + NGỮ PHÁP + BÀI TẬP BỔ TRỢ FORM 2025)

BẢNG TỪ VỰNG

STT	Từ vựng	Từ loại	Nghĩa
1.		adj	giống con người
2.		v	tương tác
3.		v	kích hoạt
4.		n	sự ứng dụng, sự áp dụng
5.		n	nhận diện khuôn mặt
6.		adj	ảo, không có thật
7.		n	an ninh
8.		adj	tiên tiến, trình độ cao
9.		n	trí thông minh nhân tạo
10.		n	hộp trò chuyện
11.		v	lập trình, đặt chương trình
12.		v	phân tích
13.		n/adj	nhanh chóng, ngay lập tức
14.		adv	một cách dễ dàng
15.		adj	trực tuyến, thuộc kỹ thuật số
16.		n	hồ sơ
17.		v	đăng tải
18.		adj	mang tính tương tác
19.		n	thực tế ảo
20.		adj	thực tiễn, thực tế
21.		adj	được cá nhân hoá
22.		n	nền tảng
23.		n	học từ xa
24.		n	khả năng nhận diện giọng nói
25.		n	sự tiến hóa, sự phát triển
26.		v	quan sát
27.		n	mốc son, sự kiện quan trọng
28.		v	kích thích, gây ra
29.		adj	không người lái

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30.		v	bắt chước
31.		v	nâng cấp
32.		n.p	ra lệnh bằng giọng nói

BẢNG CẤU TRÚC

STT	Cấu trúc	Nghĩa
1.		có khả năng làm gì
2.		hưởng lợi từ điều gì
3.		đảm nhiệm, tiếp quản

NGỮ PHÁP

1. Câu chủ động truyền khiến

- Được dùng với nét nghĩa "nhờ ai, bảo ai, khiến ai làm gì"

Cấu trúc: .....

Ex: .....

2. Câu bị động truyền khiến

- Được dùng với nét nghĩa "khiến cái gì được làm, mà không tự mình làm"

Cấu trúc: .....

Ex: .....

PRACTICE

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

Question 1:

A. provoke **B.** observe **C.** portfolio **D.** evolution

Question 2:

A. security **B.** hands-on **C.** milestone **D.** self-driving

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

Question 3:

A. upload **B.** platform **C.** virtual **D.** chatbot

Question 4:

A. interact **B.** analyse **C.** activate **D.** imitate

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

Question 5: We provide _____ learning programmes based on individual performance.

A. human-like **B.** interactive **C.** personalised **D.** virtual

Question 6: The integration of _____ technology into the new smartphone model has helped improve user experience.

A. advanced **B.** real-time **C.** effortless **D.** self-driving

Question 7: The feature that sets this learning app apart is that it can_____ learners' language proficiency.

A. programme **B.** provoke **C.** upgrade **D.** analyse

Question 8: The use of virtual reality in history classes_____ some interest among students.

A. imitated **B.** observed **C.** provoked **D.** uploaded

Question 9: Our online store has been using a_____to assist customers with inquiries about our products.

A. command **B.** chatbot **C.** recognition **D.** evolution

Question 10: He had his robot vacuum cleaner_____ by the engineer.

A. activate **B.** to activate **C.** activating **D.** activated

Question 11: Jane got her husband_____the central heating.

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A. to programme programming **B.** programme **C.** programmed

Read the following school 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 12 to 14.

Join the Robot Design Contest!

- Design (12)_____robot with innovative features.
- Showcase creativity in functionality and aesthetics.
- Emphasise how your robot will (13)_____with users and its environment.

Submit your designs by March 30. Prizes await (14)____ visionary creations!

Don't miss out on this opportunity to shape the future of robotics!

Question 12:

A. an **B.** the **C.** a **D.** O (no article)

Question 13:

A. interaction **B.** interact **C.** interactive **D.** interactively

Question 14:

A. more than **B.** the most **C.** the more **D.** the more than

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 for the following question.

Question 15:

a. Last but not least, they facilitate remote monitoring and control via smartphone apps, granting users greater flexibility and control over their home environment.
b. Firstly, they streamline household chores, allowing individuals to allocate more time to leisure activities or work.
c. In conclusion, home robots represent a significant advancement in modern living, promising increased comfort and convenience for users.
d. Secondly, they contribute to maintaining a tidy living space by autonomously vacuuming floors and dusting surfaces.
e. Moreover, they provide assistance to individuals with limited mobility or disabilities, enabling them to accomplish tasks independently.
f. Home robots offer numerous benefits, enhancing convenience and efficiency in daily life.

A. b-d-e-a-f-c **B.** f-b-a-d-e-c **C.** f-b-d-e-a-c **D.** b-f-d-e-a-c

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 16 to 20.

Home robots, despite their convenience, present several disadvantages. Firstly, their reliance on complex technology makes them susceptible to malfunctions and breakdowns, (16) ____ for users. Secondly, their presence in the household can make individuals overly dependent on automation, diminishing (17)_____ to perform essential tasks manually. Moreover, their integration into daily life may (18)_____ to engage in physical activity, leading to a sedentary lifestyle and associated health risks. Additionally, (19)_____within the home, home robots can make individuals feel uneasy about privacy and surveillance issues.

In conclusion, although home robots provide convenience, (20)_____such as maintenance worries, reliance, sedentary habits, and privacy concerns.

Question 16:

A. increasing maintenance costs and inconvenience
B. which increase maintenance costs and inconvenience
C. that increases maintenance costs and inconvenience

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D. and increase maintenance costs and inconvenience

Question 17:

A. our ability **B.** their ability **C.** its ability **D.** this ability

Question 18:

A. to make people less inclined
B. to make people more inclined
C. make people more inclined
D. make people less inclined

Question 19:

A. constantly monitored activities
B. while it constantly monitors activities
C. though they constantly monitor activities
D. constantly monitoring activities

Question 20:

A. carefully considering their disadvantages is essential
B. we should consider carefully their disadvantages
C. it is essential to carefully consider their disadvantages
D. their disadvantages have been considered carefully

Read the following passage and mark the letter A, B, C, or D to choose the word or phrase that best fits each of the numbered blanks from 21 to 25.

The word "robot" was first used in 1920. It comes from the Czech word 'robota', (21)____means forced labour' used in a play by Karel Capek to describe artificial people. In 1949, the British inventor William Grey Walter introduced the first machine which could slowly move in (22)_____to light stimulus. The first robot to use Artificial Intelligence was known as Shakey. Twenty years later, a walking robot called Dante, which was (23)_____of climbing steep slopes, was built to go into active volcanoes.

The late 1990s marked a (24)_____in the history of robots when Kismet, a robotic head designed to provoke and react to emotions, was created. Since the beginning of the 21st century, more robots have been created to improve our life. The first self-driving car was launched on 8 October 2005. In 2012, the Al expert Geoffrey Hinton and his team created the first accurate visual recognition system. In 2016, Sophia, a human-like robot was introduced. Sophia can (25)_____human gestures and facial expressions and is able to answer certain questions and to make simple conversations.

(Adapted from Global Success)

Question 21:

A. who **B.** which **C.** where **D.** whose

Question 22:

A. response **B.** security **C.** application **D.** platform

Question 23:

A. able **B.** intelligent **C.** capable **D.** talented

Question 24:

A. milestone **B.** portfolio **C.** recognition **D.** command

Question 25:

A. upgrade **B.** upload **C.** provoke **D.** imitate

Read the following article and mark the letter A, B, C, or D to indicate the correct answer to each of the questions from 26 to 30.

Artificial Intelligence (AI) has had a huge impact on education. Here are some examples from around the world.

A. Educational chatbots

Al chatbots are being used in many schools and universities around the world. They can help keep students engaged in their learning by providing a more interactive experience. These virtual tutors can explain concepts clearly, answer specific questions, and give feedback on homework. Students can seek support from Al chatbots during and after classes so that they can understand the lessons better. They can also create groups on chatbots to share ideas about projects and

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activities. Engaging with each other using conversational Al can help students create a better and friendlier learning environment.

B. Virtual reality

Schools in Hong Kong are bringing fascinating learning to the classroom through the power of virtual reality (VR). This new way of teaching helps students learn valuable skills, provides "hands-on" experiences when studying history or geography, and limits potential dangers of chemistry or physics experiments. Guided virtual tours transport students back in time to study the history of Hong Kong or take them to tropical forests to explore endangered species.

C. Personalised learning

Experts in Israel have created a technology platform to support personalised learning. It collects data from students about what they know and do not know, analyses performances using Al, then offers them suitable assignments. This app has served as the main distance-learning platform for many Israeli secondary school students who are preparing for advanced examinations in physics. There are also thousands of chemistry and biology students who benefit from this software.

(Adapted from Global Success)

Question 26: What is the topic of the article?

A. The negative impacts of Al on education
B. The integration of Al into daily life
C. Al applications in education
D. Innovative learning strategies

Question 27: The word they in paragraph A refers to

A. questions **B.** students **C.** Al chatbots **D.** lessons

Question 28: All of the following are the features of Al chatbots **EXCEPT** that

A. they are places for students to share ideas
B. they help students become more independent
C. they keep students engaged in their learning
D. they give feedback on students' homework

Question 29: The word hands-on in paragraph B is closest in meaning to

A. temporary **B.** affordable **C.** secure **D.** practical

Question 30: It can be inferred from the article that

A. the use of virtual reality in education does more harm than good
B. the app designed by experts in Israel benefit various student populations
C. without Al chatbots, students cannot grasp the basics of some subjects
D. guided virtual tours should only be made use of in history classes

LUYỆN TỪ VỰNG THÊM

Question 1: Students nationwide have switched to _____ classrooms since the pandemic broke out.

A. tedious **B.** virtual **C.** self-driving **D.** autonomous

Question 2: Experts believe that _____ vehicles will ensure smoother traffic flow and enhanced safety.

A. autonomous **B.** hands-on **C.** human-like **D.** obsolete

Question 3: In the digital age, we spend less time _____ with others face-to-face.

A. analysing **B.** distinguishing **C.** programming **D.** interacting

Question 4: This human-like robot is _____ of solving puzzles and doing household chores.

A. advanced **B.** logical **C.** digital **D.** capable

Question 5: Virtual reality technology affords students _____ experiences when studying history or biology without leaving their classroom.

A. self-driving **B.** capable **C.** hands-on **D.** robotic

Question 6: Our online learning programmes are _____ for the needs of each student.

A. personalised **B.** interacted **C.** replaced **D.** estimated

Question 7: Home robots can free humans from ____ and repetitive work of doing domestic chores.

A. digital **B.** tedious **C.** logical **D.** advanced

Question 8: The man had his new phone _____ by the salesperson.

A. activate **B.** to activate **C.** activated **D.** activating

Question 9: We get our house _____ by a robot every day.

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A. clean **B.** cleaned **C.** cleaning **D.** to clean

Question 10: The propagation of…….. on social media platforms is likely to provoke distrust.

A. gadget **B.** portfolio **C.** chatbot **D.** disinformation

Question 11: Our attempts to bridge the _____ divide failed when the pandemic took hold.

A. logical **B.** virtual **C.** digital **D.** advanced

Question 12: When electronic devices become …..people tend to get rid of them, causing tons of e - waste.

A. advanced **B.** human-like **C.** obsolete **D.** logical

Question 13: The idea that teachers will be _____ by robots in the future sounds ridiculous.

A. replaced **B.** activated **C.** interacted **D.** functioned

Question 14: The ____ of online news is endangered when 'ordinary journalists' are armed with a smartphone.

A. platform **B.** accuracy **C.** drawback **D.** gadget

Question 15: The new high-tech _____ allows us to assign tasks more efficiently.

A. gadget **B.** disinformation **C.** evolution **D.** recognition

Question 16: Our company got an expert _____ the new software.

A. install **B.** to install **C.** installing **D.** installed

Question 17: In the future, people will have a robot _____ all the deliveries for them.

A. to do **B.** doing **C.** done **D.** do

Question 18. The _____ assistant can schedule your meetings and send reminders.

A. hands-on **B.** distant **C.** capable **D.** virtual

Question 19. The new robot has a _____ appearance and can mimic our gestures.

A. self-driving **B.** human-like **C.** hands-on **D.** real-time

Question 20. The system provides _____ analytics to help businesses make decisions.

A. real-time **B.** human-like **C.** facial **D.** self-driving

Question 21. You can _____ the device by saying the wake word followed by a command.

A. interact **B.** analyse **C.** activate **D.** programme

Question 22. Healthcare providers can greatly benefit _____ diagnostic tools that increase accuracy and efficiency.

A. from **B.** by **C.** of **D.** with

Question 23. There are concerns that AI might eventually _____ all of our jobs.

A. turn on **B.** drop out **C.** take over **D.** carry out

Question 24. The smart home system can be controlled by voice _____, making it very user-friendly.

A. milestone **B.** speech **C.** platform **D.** command

Question 25. He had his financial records _____ by an audit software.

A. review **B.** reviewed **C.** be reviewed **D.** to review

Question 26. They got the developer _____ a chatbot for their website.

A. be created **B.** created **C.** creates **D.** to create

Question 27. The app uses speech **recognition** to transcribe your spoken words into text.

A. personalisation **B.** intelligence **C.** identification **D.** application

Question 28. With AI integration, tasks that used to take hours can now be completed **effortlessly**.

A. easily **B.** hardly **C.** complexly **D.** digitally

UNIT 6 TEST 1

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

Question 1: A. recognition **B.** introduce **C.** programme **D.** personalised

Question 2: A. supposed **B.** organised **C.** released **D.** compromised

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

Question 3: **A.** activate **B.** application **C.** analyse **D.** personalised

Question 4: **A.** evolution **B.** recognition **C.** interactive **D.** intelligence

Mark the letter A, B, C, or D to indicate the correct answer to each of the following Questions.

Question 5: The central heating in our smart home responds promptly to our _____.

A. drawback **B.** disinformation **C.** voice command **D.** evolution

Question 6: Recent advancements in AI technology _____ many industries by improving efficiency and accuracy.

A. transform **B.** transformed **C.** have transformed **D.** transforms

Question 7: Artificial Intelligence has the potential to change the way we work, _____?

A. hasn't it **B.** does it **C.** doesn't it **D.** hasn't it

Question 8: AI systems are designed to _____ up with new information quickly and adapt to changing environments.

A. keep **B.** catch **C.** come **D.** take

Question 9: AI-driven solutions are often _____ than traditional methods in terms of processing speed.

A. more efficient **B.** efficient **C.** most efficient **D.** efficientest

Read the following school announcement/flyer 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.

Get ready for the Future of Artificial Intelligence Drawing Contest!

- Show your (**10**)_____ and creativity by illustrating AI's role in our future.
- Open to all students, grades **10-12.**
- (**11**)_____ your artwork by March **15**th to the school office.
- Winners will be announced on March **30**th.
- Cash prizes and recognition await the top three entries!

Let's join us and showcase your creativity about (**12**)_____ AI's future.

Question 10:

A. imagine **B.** imagination **C.** imaginative **D.** imaginable

Question 11:

A. Replace **B.** Upgrade **C.** Distinguish **D.** Submit

Question 12:

A. Ø (no article) **B.** The **C.** an **D.** a

Discover the future at our Robot Exhibition! See human-like robots, advanced technology, capable (**13**) _____ amazing tasks. Interact with robots, learn how they work, and (**14**) _____ they can do. Fun for all ages! Join us downtown at the Civic Center, February **15**th-**20**th. Explore the world of robotics and be amazed! (**15**)____ is free. Don't miss out on this exciting event!

Question 13:

A. with **B.** to **C.** for **D.** of

Question 14:

A. why **B.** what **C.** which **D.** when

Question 15:

A. Platform **B.** Admission **C.** Potential **D.** Chatbot

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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 for the following Question.

Question 16:

a) Additionally, privacy concerns arise as these robots collect and store personal dat**a.**

b) In conclusion, despite their potential, home robots present challenges that should be carefully considered before adoption.

c) Home robots, while promising convenience, come with some drawbacks.

d) Finally, their capabilities might not always meet expectations, leading to frustration among users.

e) Firstly, they can make individuals dependent on technology, eroding essential life skills.

f) Secondly, their maintenance cost could be very high, especially considering repair expenses and regular upgrades.

A. c-e-a-d-f-b **B.** c-e-f-a-d-b **C.** c-e-f-d-a-b **D.** c-e-a-f-b-d

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 for the following Question.

Question 17:

a. Then discover how AI can personalize learning experiences for every student.

b. First, explore innovative AI technologies reshaping classrooms worldwide.

c. Together with the use for your students, learn practical strategies for integrating AI tools into your teaching practices.

d. Here's what you'll learn in the workshop on AI.

e. Finally, engage in hands-on activities and interactive discussions led by AI experts.

A. d-a-b-e-c **B.** d-b-a-c-e **C.** b-e-a-c-d **D.** b-c-a-e-d

Read the following passage and mark the letter A, B, C, or D to choose the word or phrase that best fits each of the numbered blanks.

Home robots offer numerous advantages to modern households. Firstly, they enhance leisure activities by assisting with household chores, allowing families to spend more (**18**)_____ facilitate family bonding by engaging in (**19**) _____ relationships in the process. time together. They interactive games and activities, strengthening

Secondly, home robots work tirelessly without a break, (**20**)_____ consistently handled, freeing up time for other pursuits. (**21**) _____ ensures that mundane tasks are they contribute to a more relaxed and efficient home environment, enabling families to focus on what truly matters. In conclusion, the capabilities of home robots make them (**22**)____ devices in today's busy lifestyles.

Question 18:

A. access **B.** quantity **C.** quality **D.** qualification

Question 19:

A. much **B.** several **C.** every **D.** another

Question 20:

A. that **B.** where **C.** who **D.** which

Question 21:

A. However **B.** Therefore **C.** For example **D.** Although

Question 22:

A. uninteresting **B.** dishonest **C.** invaluable **D.** impossible

Read the following article and mark the letter A, B, C, or D to indicate the correct answer to each of the questions.

Artificial Intelligence (AI) has revolutionised the manufacturing industry, offering numerous benefits that have improved efficiency, productivity, and overall profitability.

One significant advantage of Al in manufacturing is the ability to improve accuracy and quality control. (23)_____ as these systems are designed to perform tasks with precision, consistency, and attention to detail. This

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ensures that product quality remains consistent throughout the production process, decreasing the costs (24)_____. Additionally, AI can detect problems in real-time, enabling manufacturers to address issues promptly and (25)_____.

Another key benefit of AI in manufacturing is (26) to enhance production efficiency. Al algorithms can analyse vast amounts of data quickly and identify patterns or trends (27) _____. This allows manufacturers to optimise their production processes, making them more cost-effective and time-efficient. Furthermore, Al-powered machines and robots can perform tasks faster than humans, maximising productivity. (28)_____ increase their profits. manufacturers can achieve higher production rates and

Adapted from https://otssolutions.com/role-of-ai-in-manufacturing-industry/

Question 23:

A. With Al-powered machines and manufacturers, robots can minimise human errors.
B. With Al-powered machines and robots, manufacturers can minimise human errors.
C. With human errors, manufacturers can minimise Al-powered machines and robots.
D. With manufacturers, Al-powered machines and robots can minimise human errors.

Question 24:

A. to be associated with rework or returns
B. associating with rework or returns
C. associated with rework or returns
D. to associate with rework or returns

Question 25:

A. preventing reaching consumers from low-quality products
B. preventing low-quality products from reaching consumers
C. prevent reaching consumers from low-quality products
D. prevent low-quality products from reaching consumers

Question 26:

A. its capacity **B.** our capacity **C.** their capacity **D.** his capacity

Question 27:

A. might otherwise go unnoticed by humans
B. that might otherwise go unnoticed by humans
C. that humans might otherwise go unnoticed them
D. humans might otherwise go unnoticed

Question 28:

A. Despite making use of the power of AI
B. By making use of Al of the power
C. By making use of the power of AI
D. Due to making use of Al of the power

Read the following passage and mark the letter A, B, C or D to indicate the correct answer to each of the questions.

Artificial Intelligence (AI) is likely to improve your engagement in non-STEM subjects (Literature, Art, Education, and Humanities). For instance, Al-powered language learning platforms like Duolingo and Rosetta Stone use natural language processing and machine instructions to provide personalised learning experiences. These platforms can adapt their learning content and pace to match your individual needs. This can help you learn at your own pace and in your own way, thereby, increasing engagement and motivation.

Al-powered writing and grammar tools such as Grammarly and Hemingway can provide instant feedback and suggestions for alternative phrasing and word choices. By analysing your grammar, vocabulary, and style, they can help you improve your writing skills and communicate better.

Similarly, you can play Al-powered educational games in history and social studies classes. Games like Civilization and Age of Empires use Al to create realistic historical simulations that can help you understand historical events and concepts in a more enjoyable and interactive way.

In music and art, there are creative tools such as Amper Music and Dream. These tools use AI to create original music and art based on users' input. This can provide you with fun and imaginative ways to study these subjects.

Overall, AI can stimulate your interest in non-STEM subjects by providing personalized instructions, creating various learning experiences, and offering real-time feedback and support. As AI technology continues to evolve, you can expect to see even more innovative uses of Al in non-STEM education.

(Adapted from Global Success Workbook 12)

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Question 29. What is the topic of the article?
A. The usefulness of Al in certain subjects **B.** Al's limitless and extraordinary capabilities
C. The harmful effects of abusing Al **D.** A new AI chatbot's outstanding functions
Question 30. The word they in paragraph 2 refers to _____.
A. instant suggestions **B.** phrasing and word choices
C. grammar, vocabulary, and style **D.** Al-powered writing and grammar tools
Question 31. Which of the following is true according to the passage?
A. Artificial Intelligence appears to be weak when having to work with STEM subjects.
B. AI-powered language learning platforms can tailor their behaviour to suit learners' needs.
C. Creative tools can help you imitate pre-existing artworks in music and painting.
D. Game developers can use AI to build storylines to create possible future events.
Question 32. The word stimulate in paragraph 5 is opposite in meaning to
A. promote **B.** prevent **C.** imitate **D.** analyse
Question 33. According to the passage, AI can help people with all of the following, EXCEPT _____.
A. giving instant support **B.** learning languages
C. boosting learning pace **D.** providing materials in history classes

Read the following article and mark the letter A, B, C, or D to indicate the correct answer to each of the questions.

Despite the fact that humans haven't returned to the Moon since the cancellation of the Apollo program in 1972, there have nonetheless been incredible advances in space exploration in recent years. All across the world, human time is the most valuable commodity –particularly when it comes to solving problems. Far from stealing jobs, the majority of advances in artificial intelligence and machine learning are designed to automate relatively "simple" processes and free up time for humans to do what **they** do best.

Already we have had a taste of what AI can achieve from space, even as far back as the early 2000s with the launch of the Earth Observing-1 (EO-1) satellite, which helps analyse and inform the appropriate response in the event of a disaster, such as hurricanes and volcanic eruptions. In some cases, the systems in place on EO-1 began capturing satellite images of disaster zones before ground personnel were even aware that a disaster had occurred. More recently, AI has been used on the Mars Curiosity rover, where AEGIS software is able to identify intriguing rock or soil patches that should be targeted for analysis. This significantly **expedites** the process of collecting data from the surface of Mars as the robot isn't relying solely on human commands.

Richard Branson's Virgin Galactic –which hopes to soon begin conducting commercial flights –charges between $200,000 to $250,000 per ticket for a flight where passengers will experience just several minutes of weightlessness beyond the Karman line where space officially begins. Therefore, previous space missions have always needed to consider very carefully which astronauts they send to space, with the ultimate decision often coming down to an astronaut's ability to act as a 'jack-of-all-trade'. In future, it should be possible to automate the computing and engineering tasks that historically astronauts have had to train for. This would mean sending individuals with specialised expertise in science and research in place of the all-rounder astronauts of yesteryear.

For success in space exploration in the years to come, we will need to continue along the exponential curve of open source uptake and see advances in the approach to how spacecraft software, hardware and infrastructure is developed and deployed. With this baseline in place, advances in AI-driven scientific research have the potential to **propel** us forwards.

(Source: https://www.scitecheuropa.eu/)

Question 34: Which best serves as the title for the passage?
A. Human capital and AI. **B.** The importance of being open.
C. Innovation in infrastructure. **D.** Reaching the Moon, Mars and beyond.
Question 35: The word "they" in paragraph 1 refers to _____.
A. jobs **B.** advances **C.** processes **D.** humans
Question 36: According to paragraph 2, for what purpose did the author list out various applications of AI?
A. To demonstrate how AI researchers have been going on the wrong track.
B. To point out that space-related innovation is currently limited to AI only.
C. To illustrate the advance in application of AI technologies over the years.
D. To elicit from the readers the admiration for the brilliance of human brain.

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Question 37: The word "expedites" in paragraph 2 is closest in meaning to _____.
A. dispatches **B.** accelerates **C.** precipitates **D.** facilitates
Question 38: According to paragraph 3, what is the challenge that paint the AI advances so valuable?
A. There are too many people meeting the missions' criteria.
B. It is incredibly expensive to send a human into space.
C. The physical constraints in space is harmful to human.
D. The competition between space companies is fierce.
Question 39: The word "propel" in paragraph 4 is closest in meaning to _____.
A. force **B.** progress **C.** catapult **D.** push
Question 40: According to the passage, which of the following is NOT mentioned as a benefit of AI in space exploration?
A. Improving efficiency in disaster response
B. Automating simple processes to free up human time
C. Allowing astronauts to specialize in scientific research
D. Reducing the cost of sending humans into space

UNIT 6 TEST 2

Mark the letter A, B, C, or D to indicate the word whose underlined part differs from the other three in pronunciation in each of the following questions.
Question 1: A. happened **B.** preferred **C.** delayed **D.** afforded
Question 2: A. interact **B.** activate **C.** application **D.** artificial

Mark the letter A, B, C, or D to indicate the word that differs from the other three in the position of the primary stress in each of the following questions.
Question 3: A. interesting **B.** happiness **C.** agreement **D.** poisonous
Question 4: A. chatbot **B.** programme **C.** analyse **D.** observe

Mark the letter A, B, C, or D to indicate the correct answer to each of the following Questions.
Question 5. Sometimes it's really hard to between human-created and AI-generated texts.
A. distinguish **B.** upgrade **C.** automate **D.** replace
Question 6: AI technology _____ a significant impact on various fields by enhancing both productivity and accuracy in recent years.
A. affects **B.** has affected **C.** affect **D.** is affecting
Question 7: Artificial intelligence is advancing rapidly, _____?
A. isn't it **B.** is it **C.** doesn't it **D.** does it
Question 8: The team is striving to _____ innovative solutions that can push the boundaries of AI technology.
A. come up with **B.** work on **C.** get rid of **D.** turn into
Question 9: Machine learning algorithms are considered _____ at analyzing large datasets compared to conventional methods.
A. superior **B.** superior **C.** most superior **D.** superiorly

Read the following flyer 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.

Explore the Future at Tech Fair 2024!

Calling (10) ___ young tech enthusiasts! Join us for a day of innovation and excitement.

- Discover cutting-edge gadgets, (11)_____ reality, coding workshops, and more.
- Dive into the world of technology with (12)_____ activities and demos.

Don't miss out! Mark your calendars: March 10th at the Community Center.

See you there!

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Question 10. A. each B. every C. much D. all
Question 11. A. virtual B. logical C. complicated D. autonomous
Question 12. A. tedious B. advanced C. hands-on D. human-like

Read the following flyer 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.

AI ROBOT EXHIBITION COMING SOON!

Time & Date: 8 a.m. on May 4th

Location: National Convention Centre

Embark on a journey into the future at our AI Robot Exhibition on May 4th

Join us for a day filled with cutting-edge technology and fascinating activities:

- **Robot Demonstrations**: witness AI-powered robots showcasing their advanced capabilities
- **(13)** _____ **Zones:** Engage in **(14)** _____ activities, test cutting-edge AI applications, and experience the future first-hand
- **Expert Talks:** Learn from industry leaders discussing the impact of AI on various sectors
- **Q&A Sessions:** Have your burning questions answered by AI experts.

Contact Information: For event inquiries and details, please reach out to hightech@gmail.com

Immerse yourself in the marvels of artificial intelligence and discover how robots are shaping our world. Save **(15)** _____ date, bring your curiosity, and be part of this extraordinary AI experience!

Question 13: A. Interactively B. Interactive C. Interaction D. Interact
Question 14: A. hands-on B. artificial C. advanced D. instant
Question 15: A. an B. (no article) C. the D. a

Mark the letter A, B, C, or D on your answer sheet to indicate the correct arrangement of the sentences to make a meaningful letter for the following question.

Question 16.

a. Firstly, VR enhances engagement by providing hands-on experiences that make learning more interactive and enjoyable.
b. Dear Paul, I hope this letter finds you well!
c. Secondly, it fosters deeper understanding as students can visualise abstract concepts in 3D, facilitating better comprehension.
d. Isn't it fascinating? Let's discuss more soon! Warm regards.
e. I wanted to share with you some thoughts on the advantages of using virtual reality (VR) in classrooms.
f. For instance, students can explore historical landmarks, bringing lessons to life.
g. Lastly, VR enables personalised learning experiences, catering to diverse learning styles and preferences, thereby promoting inclusivity in education.

A. b-e-c-g-f-a-d B. b-e-a-f-c-g-d C. b-e-d-a-f-c-g D. b-e-a-c-g-f-d

Question 17.

a. Firstly, AI can automate repetitive tasks, freeing up valuable time for employees to focus on more complex and creative work.
b. Dear Anna, I hope this message finds you in good spirits.
c. Secondly, AI systems can analyze large datasets quickly and accurately, providing insights that can drive business

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decisions.

d. I wanted to share some thoughts on the impact of artificial intelligence (AI) in modern workplaces.

e. For example, AI can assist in customer service by handling routine inquiries through chatbots, enhancing overall efficiency.

f. Finally, AI can improve decision-making processes by providing predictive analytics and advanced data processing.

g. I look forward to discussing this topic further with you. Best regards.

A. b-d-a-c-e-f-g **B.** b-d-a-e-c-f-g **C.** b-d-a-c-f-e-g **D.** b-d-e-a-c-f-g

Read the following passage and mark the letter A, B, C, or D to indicate the correct word that best fits each of the numbered blanks.

WHAT IS AI?

Artificial intelligence is the technology that allows machines to possess human - like intelligence. It means creating intelligence (18) _____. The machines or robots are programmed (19) _____ they think like humans and act like them. It is believed that machines can be programmed to possess cognitive abilities. AI robots can think, make the most appropriate decisions and learn form past experiences without any human intervention. This concept is called machine learning (20)_____ is a sub - branch of arrtificial intelligence.

Artificial intelligence can be (21) _____ into two different types, namely - weak AI and strong AI. Weak AI involves performing some tasks like answering questions and performing basic tasks like setting the alarm, playing music, or making a call. Strong AI refers to performing (22) _____ that involve problem - solving and decision - making without human intervention. This type of AI is found in smart robots, self - driving cars.

Question 18: A. articulately **B.** arduously **C.** artificially **D.** immediately

Question 19: A. until **B.** because **C.** although **D.** so that

Question 20: A. which **B.** who **C.** where **D.** what

Question 21: A. controlled **B.** classified **C.** generated **D.** analyzed

Question 22: A. others **B.** the others **C.** other **D.** the other

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.

ChatGPT offers students numerous advantages. Firstly, it provides (**23**)_____ assisting with homework and research. Secondly, it serves as a virtual tutor, answering questions and (**24**)_____. Thirdly, (**25**)_____ by offering suggestions and feedback on essays and assignments. Furthermore, it fosters creativity by generating ideas and brainstorming sessions. Lastly, it promotes critical thinking by engaging students (**26**) _____, aiding them in various aspects of (27)_____. In essence, ChatGPT serves as a versatile tool for students.

Question 23.

A. access instantly to information **B.** instant access to information

C. instant access information **D.** instantly access to information

Question 24.

A. explaining complex concepts **B.** explains complex concepts

C. explained complex concepts **D.** to explain complex concepts

Question 25.

A. when it enhances writing skills **B.** having enhanced writing skills

C. it enhances writing skills **D.** not only does it enhance writing skills

Question 26.

A. with the meaning of conversations and debates **B.** from conversations to debates' meaning

C. to converse and debate meaningfully **D.** in meaningful conversations and debates

Question 27.

A. its academic journey **C.** our academic journey

B. their academic journey **D.** his academic journey

Read the following passage and mark the letter A, B, C, or D to indicate the correct answer to each of the questions.

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Al has revolutionised education by offering diverse applications to enhance learning experiences. One prominent application is in digital platforms where AI-powered tools personalise learning materials based on students' needs and progress. These platforms provide a **hands-on** approach, allowing students to engage with interactive simulations and exercises tailored to **their** learning pace. Virtual classrooms powered by Al enable students to access educational content from anywhere, anytime, fostering flexibility and accessibility.

Moreover, Al-driven tutoring systems offer real-time support by providing instant feedback and guidance on assignments and queries. Overall, Al in education creates a dynamic and interactive experience, catering to individual learning styles and promoting student engagement and achievement. As technology continues to evolve, the integration of Al promises to further transform and enrich educational practices, making learning more effective and enjoyable for students worldwide.

Question 28. Which best serves as the title for the passage?
A. Technological Evolution in the **21**st Century **B.** Applications of AI in Education
C. The Potential of AI in Future Classrooms **D.** Learning by AI: For Better or Worse?

Question 29. According to paragraph **1**, an important application of AI in education is that
A. learning materials are tailored to students' needs
B. learning programmes are periodically upgraded
C. it enables students to learn outside their classroom
D. it helps to increase students' attention span

Question 30. The word **hands-on** in paragraph **1** can be best replaced by
A. virtual **B.** digital **C.** practical **D.** robotic

Question 31. The word **their** in paragraph **1** refers to
A. simulations **B.** students **C.** virtual classrooms **D.** exercises

Question 32. As stated in paragraph **2**, AI-driven tutoring systems _____.
A. is unsuccessfully integrated in the education system
B. frees teachers from the drudgery of marking papers
C. promotes fairness and inclusivity among students
D. provides students with instant suppor

Read the following article and mark the letter A, B, C, or D to indicate the correct answer to each of the questions.

Don't look now, but artificial intelligence is watching you. Artificial intelligence has tremendous power to enhance spying, and both authoritarian governments and democracies are adopting the technology as a tool of political and social control. Data collected from apps and websites already help optimize ads and social feeds. The same data can also reveal someone's personal life and political **leanings** to the authorities. The trend is advancing thanks to smartphones, smart cameras, and more advanced AI.

An algorithm developed at Stanford in 2017 claimed to tell from a photograph whether a person is gay. Accurate or not, such a tool creates a new opportunity for **persecution**. "Take this type of technology, feeditto a citywide CCTV surveillance system, and go to a place like Saudi Arabia where being gay is considered a crime," says Lisa Talia Moretti, a digital sociologist. "Suddenly you're pulling people off the street and arresting them because you're gay, because the computer said so."

No country has embraced facial recognition and AI surveillance as keenly as China. The AI industry there has flourished thanks to fierce competition and unrivaled accessto personal data, and the rise of AI is enabling tighter government control of information, speech, and freedoms. In some Chinese cities, facial recognition is used to catch criminals in surveillance footage, and to publicly shame those who commit minor offenses. Most troubling, AI is being used in Xinjiang, a province in Western China, to persecute Muslims. Even if China's AI capabilities are exaggerated, the AI boom there is having a chilling effect on personal freedom, says Ian Bremmer, an expert on global political risk and founder of the Eurasia Group. "You just need a government that is starting to get that capacity and make it known, and have a few people that are sort of strung up as examples, and suddenly everyone is scared," he says.

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This might feel like a distant reality, but similar tools are being developed and used in the West. Just ask Glenn Rodriguez, who faced judgment from an algorithm when seeking parole from prison in the US. Despite 10 years of good behavior, Rodriguez saw how an algorithm called COMPAS, designed to predict inmates' likelihood of reoffending, would be biased against him. And even though the parole board went against the computer program's advice, and set him free, they agreed to impose the algorithm's recommended curfew. "I'm still haunted by COMPAS," Rodriguez warns.

(Source: https://www.wired.com/)

Question 34: Which best serves as the title for the passage?
A. Judgmental attitude of human rubbing on AI.
B. AI being too much of a privacy infringement.
C. Why you should never badmouth the government.
D. Artificial intelligence is watching and judging us.

Question 35: The word "leanings" in paragraph 1 is closest in meaning to _____.
A. bias **B.** preference **C.** fondness **D.** link

Question 36: The word "persecution" in paragraph 2 is closest in meaning to _____.
A. tyranny **B.** punishment **C.** torture **D.** discrimination

Question 37: The word "it" in paragraph 2 refers to _____.
A. tool **B.** opportunity **C.** photograph **D.** technology

Question 38: According to paragraph 3, which job is NOT performed by AI surveillance system in China?
A. Tracking down outlaws through biometric identification of faces.
B. Pinpointing followers of religion of Islam to secretly dispose of.
C. Exposing people who committing petty crimes to the public.
D. Acting as a vehicle for the governing body to monitor citizens.

Question 39: According to paragraph 4, what can the AI system in the US do?
A. AI's analysis ability is put to good use in identifying terrorists hidden among citizens.
B. The application of artificial intelligence to public use is currently illegal in the US.
C. As the prison judging reference, algorithms determine whether people get locked up.
D. In the US, ubiquitous surveillance cameras constantly monitor restive behaviors.

Question 40: Which of the following can be inferred from the passage?
A. Surveillance combined with artificial intelligence displays both pluses and minuses.
B. There is a lack of adherence to common privacy principles in technology companies.
C. Surveillance is increasingly used by businesses seeking commercial advantage.
D. The liberty in America which people taken for granted is actually hard-won and fragile.

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