

A. to programme B. programming C. programme D. 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 23 to 31.

Join the Robot Design Contest!

- Design (23) _____ robot with innovative features.
- Showcase creativity in functionality and aesthetics.
- Emphasise how your robot will (24) _____ with users and its environment.

Submit your designs by March 30. Prizes await (25) _____ visionary creations!

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

Question 23.

A. an B. the C. a D. Ø (no article)

Question 24.

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

Question 25.

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

Get ready for the Future of Artificial Intelligence Drawing Contest!

- Show your (26) _____ and creativity by illustrating AI's role in our future.
- Open to all students, grades 10-12.
- (27) _____ your artwork by March 15th to the school office.
- Winners will be announced on March 30th.
- Cash prizes and recognition await the top three entries!

Let's join us and showcase your creativity about (28) _____ AI's future.

Question 26.

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

Question 27.

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

Question 28.

A. Ø (no article) B. the C. an D. a

Discover the future at our Robot Exhibition! See human-like robots, advanced technology, capable (29) _____ amazing tasks. Interact with robots, learn how they work, and (30) _____ they can do. Fun for all ages! Join us downtown at the Civic Center, February 15th-20th. Explore the world of robotics and be amazed! (31) _____ is free. Don't miss out on this exciting event!

Question 29.

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

Question 30.

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

Question 31.

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

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 32.

- Last but not least, they facilitate remote monitoring and control via smartphone apps, granting users greater flexibility and control over their home environment.
- Firstly, they streamline household chores, allowing individuals to allocate more time to leisure activities or work.
- In conclusion, home robots represent a significant advancement in modern living, promising increased comfort and convenience for users.
- 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 33 to 37.

Home robots, despite their convenience, present several disadvantages. Firstly, their reliance on complex technology makes them susceptible to malfunctions and breakdowns, (33) ____ for users. Secondly, their presence in the household can make individuals overly dependent on automation, diminishing (34) ____ to perform essential tasks manually.

Moreover, their integration into daily life may (35) ____ to engage in physical activity, leading to a sedentary lifestyle and associated health risks. Additionally, (36) ____ within the home, home robots can make individuals feel uneasy about privacy and surveillance issues.

In conclusion, although home robots provide convenience, (37) ____ such as maintenance worries, reliance, sedentary habits, and privacy concerns.

Question 33.

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

Question 34.

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

Question 35.

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

Question 36.

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

Question 37.

- 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 38 to 42.

The word "robot" was first used in 1920. It comes from the Czech word 'robot', (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 AI 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 38.

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

Question 39.

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

Question 40.

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

Question 41.

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

Question 42.

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 43 to 47.

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

A. Educational chatbots

AI 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 AI 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 activities. Engaging with each other using conversational AI 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 AI, 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 43. What is the topic of the article?

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

Question 44. The word **they** in paragraph A refers to

A. questions B. students C. AI chatbots D. lessons

Question 45. All of the following are the features of AI 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 46. The word **hands-on** in paragraph B is closest in meaning to

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

Question 47. 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 AI chatbots, students cannot grasp the basics of some subjects
D. guided virtual tours should only be made use of in history classes

