REVIEW UNIT 11: SCIENCE AND TECHNOLOGY - TEST 2

Môn: Tiếng Anh – Lớp 8   Bộ sách: Global Success
Thời gian làm bài: 60 phút

A. LISTENING (2 points)
PART 1. Listen to the recording about science and technology and decide whether the statements are True (T) or False (F) according to what you have just heard . You will listen to the recording TWICE. (1.0 point)

(NB) Question 1. Marie Curie is best known for her discoveries in physics and chemistry.

    A. True   B. False

(NB) Question 2. She worked mostly alone and rarely collaborated with other scientists.

    A. True   B. False

(NB) Question 3. She was the first woman to win a Nobel Prize in history.

    A. True   B. False

(NB) Question 4. Her research helped improve safety for doctors and patients using X-rays.

    A. True   B. False

(NB) Question 5. Marie Curie's work had no lasting impact on science or modern medicine.

    A. True   B. False

PART 2. You will hear a short conversation and circle the right answer (A, B, C, or D) for each of the questions according to what you have just heard. You will listen to the recording TWICE. (1.0 point)

(NB) Question 6. What subject can the robot teach?
 A. Science   B. Art   C. Maths   D. Music

(NB) Question 7. What can the robot do to make learning fun?
 A. Sing   B. Dance   C. Play music   D. Paint

(NB) Question 8. Why is the robot useful in class?

A. It always corrects students

B. It speaks only one language

C. It asks suitable questions

D. It replaces the teacher

(NB) Question 9. What can't the robot do?

A. Teach maths

B. Teach life skills

C. Repeat answers

D. Communicate in English

(TH) Question 10. What is the main idea of the conversation?

A. Robots can fully replace teachers in class

B. Robots can support but not replace teachers

C. Students prefer robots to humans

D. Teaching will only use robots in the future

B. KNOWLEDGE OF LANGUAGE (1.6 points)

PART 1: Read the following advertisement/ announcement and mark the letter A, B, C and D on your answer sheet to indicate the option that best fit each of the numbered blanks *(0.8 point)*

> **DISCOVER THE POWER OF SCIENCE!**
>
> Modern science is changing the way students learn and explore the world. In classrooms today, teachers often use (11) _____ tools like interactive screens and fingerprint scanners to support lessons. These devices help students understand complex ideas better.
>
> Many schools also have STEM clubs where students (12) _____ creative projects and do science experiments after school. These activities make learning more exciting and meaningful.
>
> A recent report stated that educational technology (13) _____ lessons more engaging and helped students study more effectively. The report also mentioned that schools (14) _____ more field trips to science museums in the future.

(NB) Question 11.

A. electric   B. digital   C. traditional   D. automatic

(NB) Question 12.

A. discover   B. create   C. discuss   D. explore

(NB) Question 13.

A. makes   B. made   C. is making   D. has made

(TH) Question 14.

A. would go   B. will visit   C. would visit   D. will go

PART 2: Read the following leaflet and mark the letter A, B, C or D on your answer sheet to indicate the option that best fits each of the numbered blanks *(0.8 point)*

TECH TALENT FAIR – LET'S EXPLORE SCIENCE TOGETHER!

Are you curious about the future of science? Join us this weekend at the Tech Talent Fair! It's a great chance for students to explore smart inventions and modern tools.

At the entrance, you can try amazing devices, from (15) _____ systems to robot arms that move with your hand gestures.
Inside the digital room, you'll discover how (16) _____ helps teams communicate easily from different places.

A presenter said that the new software (17) _____ a useful tool for improving virtual learning.
After testing the robot, one student said he (18) _____ more confident using smart tools in class.

(NB) Question 15.

A. discovery   B. video conferencing
C. Learning   D. face recognition

(NB) Question 16.

A. experiment   B. face recognition
C. fingerprint scanner   D. digital communication

(NB) Question 17.

A. is

B. was

C. are

D. be

(TH) Question 18.

A. would feel

B. is

C. will feel

D. will be

C. READING (3 points)

PART 1. 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 following questions from 19 to 24. (1.2 points)

The Power of Inventions in Human Progress

Technology has helped humans become the most dominant species on Earth. We are not the strongest, but our brains and inventions have shaped civilization. One of the earliest and most important inventions was fire. It helped humans survive in cold weather, cook food, and see in the dark.

Another crucial invention was agriculture. People began collecting and growing crops between 20,000 and 8,000 BC. It allowed them to settle in one place and created a food surplus. Domestication of animals, like pigs in Macedonia around 13,000 BC, also supported this change.

The wheel, invented by the Greeks, helped carry heavy goods. The Romans invented nails, which made building easier. The compass, first used for feng shui in China, later helped sailors navigate.

The printing press, created by Gutenberg in 1438, allowed books to be mass-produced. It reduced illiteracy and gave people access to the Bible, supporting the Protestant Reformation.

Finally, Thomas Edison's invention of the light bulb changed how people live and work around the world.

(Adapted from futurelang)

(NB) Question 19. Inventions like fire helped humans _____.
 A. become stronger than animals
 B. create new languages
 C. survive in difficult environments
 D. learn how to read and write

(NB) Question 20. The invention of agriculture helped people _____.
A. travel more easily
B. build ships
C. settle and form communities
D. move from place to place

(NB) Question 21. The compass was first used for _____.
A. sea travel
B. building ships
C. feng shui
D. making maps

(TH) Question 22. The word "**surplus**" in paragraph 2 is closest in meaning to _____.
A. shortage   B. balance   C. extra amount   D. need

(TH) Question 23. What is the main idea of the last paragraph?
A. Edison was the smartest inventor of all time.
B. The light bulb changed the way people live.
C. People no longer use Edison's inventions.
D. Electricity was invented before the light bulb.

(TH) Question 24. In which paragraph does the writer mention the benefits of agriculture?
A. Paragraph 1
B. Paragraph 2
C. Paragraph 3
D. Paragraph 4

PART 2. Read the following passage and mark the letter A, B, C, D on your answer sheet to indicate the best answer to each of the following questions from 25 to 29. (1.0 point)

Using Smartphones to Measure Height

Smartphones today have many useful and surprising features. A great example is found in the new Apple iPhone 14 Pro, which can measure a person's height. By using the Measure app, you simply point your phone camera at someone, and it will instantly show their height. The person must stand in front of the camera, from head to toe, for the result to be accurate. Although you can measure yourself in a mirror, it's better to ask a friend for help.

The app works through AR (augmented reality) and a special sensor in the phone called LiDAR. LiDAR stands for "light imaging, detection, and ranging." It sends out light pulses that bounce off the person and return to the sensor. The time it takes helps the app calculate

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the person's height. This is similar to how 3D laser scanning works. While the app is advanced, some still joke that it's not as fun as marking height on a door. Still, it shows how far technology has come in helping us in everyday life.

(Adapted from futurelang)

(TH) Question 25. What is the main idea of the passage?
A. Smartphones cannot measure height correctly.
B. The Measure app works only with mirrors.
C. Technology now allows phones to measure a person's height.
D. Marking on doors is the best way to measure height.

(NB) Question 26. What feature is used to measure a person's height in the iPhone 14 Pro?
A. Voice assistant
B. Screen resolution

C. Bluetooth sensor
D. LiDAR sensor

(NB) Question 27. What should a person do to get an accurate height result?
A. Walk around the room
B. Stand fully in front of the camera
C. Sit close to the phone
D. Hold a ruler

(NB) Question 28. What does LiDAR stand for?
A. Light image and data recorder
B. Light imaging, detection, and ranging
C. Location information data reader
D. Laser infrared device and radar

(TH) Question 29. What does the writer suggest about the app in the last sentence?
A. It doesn't work in real life.
B. It is perfect and has no weaknesses.
C. It shows modern progress even if it's not always fun.
D. It replaces traditional ways completely.

PART 3. 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 30 to 33. (0.8 point)

The Future of Invisibility Technology

In recent years, scientists have made impressive progress in developing "invisibility" technology. (30) _____, a group of researchers at a top university has created special materials that bend light around objects, making them nearly invisible to the human eye. These advanced materials allow light to travel as if the object is not even there.

(31) _____, the researchers tested their material using tiny structures called "meta-materials". These are so small that they are measured in billionths of a meter and are designed to stop light from reflecting.

This breakthrough opens new possibilities for science and technology. (32) _____, invisibility materials could be used in military clothing or equipment to make soldiers harder to detect. (33) _____, the same technology might help design new kinds of medical tools or even fashion products that can change appearance.

(Adapted from futurelang)

(TH) Question 30:
 A. thanks to their latest invention
 B. due to a technical problem

 C. as part of the same project
 D. in spite of some challenges

(TH) Question 31:
 A. during the testing process
 B. without any special tools
 C. at the final stage of research
 D. before writing the report

(TH) Question 32:
 A. At the same time
 B. On the contrary
 C. For example
 D. In short

(TH) Question 33:
 A. As a result
 B. In addition

C. Meanwhile

D. However

D. WRITING (1.4 points)

PART 1 Mark the letter A, B, C or D on your answer sheet to indicate the best arrangement of utterances or sentences to make a meaningful exchange or text in each of the following questions from 34 to 35. *(0.4 point)*

(TH) Question 34:

a. I have something exciting to tell you!

b. We're going to have a robot teacher in our English class next week.

c. That sounds amazing!

d. The robot can speak different languages and help students practice conversations.

e. I can't wait to try talking with it.

f. Same here! It will be so much fun.

   A. a – b – c – d – e – f

   B. a – c – b – d – e – f

   C. a – b – c – d – e – f

   D. a – b – d – c – e – f

(TH) Question 35:

a. Nam: I just won first prize in the science fair!

b. Hoa: Wow! That's awesome!

c. Nam: The judges really liked my smart recycling bin idea.

d. Hoa: Great job, Nam. Congratulations!

e. Nam: Thanks! I'm really proud of it.

f. Hoa: You deserve it!

   A. a – b – c – d – e – f

   B. a – c – b – d – f – e

   C. b – a – d – c – e – f

   D. a – b – c – d – e – f

(VD) PART 2 .Writing a paragraph of 80 to 100 words to express your opinion about the idea below: "Robots will soon replace teachers at school.". You might use the following suggestions. (1.0 point)

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ENGLISH CLASS ZAGEN

USEFUL LANGUAGE:

- store much information

- follow programmed instructions

- do simple actions

- cannot help students behave

- cannot feel or understand emotions

- cannot replace human connection

- robots will never replace teachers

OUTLINE

Introduction:
State your opinion clearly (agree/disagree)

Body:
Reason 1: Robots cannot teach students behavior/morality
Reason 2: Robots lack emotions and understanding
Reason 3: Robots only follow what is programmed

Conclusion:
Restate your opinion or give a final thought

Writing sample

I disagree that robots will soon replace teachers at school. First, even though robots can store a lot of information, they cannot teach students how to behave correctly in different situations. Second, robots don't have emotions, so they cannot help students with problems or give personal support. Finally, robots only follow programmed instructions and cannot adjust their lessons to fit different learning styles. That's why I believe that robots can support teaching, but they will never fully replace human teachers.

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LIVEWORKSHEETS

ENGLISH CLASS ZAGEN

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THE END.