

## 《高考英语阅读理解真题111(含答案解析)》

2019年全国1卷

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As data and identity theft becomes more and more common the market is growing for biometric(生物测量) technologies—like fingerprint scans—to keep others out of private e-spaces. At present, these technologies are still expensive, though.

Researchers from Georgia Tech say that they have come up with a low-cost device(装置) that gets around this problem: a smart keyboard. This smart keyboard precisely measures the cadence(节奏) with which one types and the pressure fingers apply to each key. The keyboard could offer a strong layer of security by analyzing things like the force of a user's typing and the time between key presses. These patterns are unique to each person. Thus, the keyboard can determine people's identities, and by extension, whether they should be given access to the computer it's connected to—regardless of whether someone gets the password right.

It also doesn't require a new type of technology that people aren't already familiar with. Everybody uses a keyboard and everybody types differently.

In a study describing the technology, the researchers had 100 volunteers type the word “touch” four times using the smart keyboard. Data collected from the device could be used to recognize different participants based on how they typed, with very low error rates. The researchers say that the keyboard should be pretty straightforward to commercialize and is mostly made of inexpensive, plastic-like parts. The team hopes to make it to market in the near future.

28. Why do the researchers develop the smart keyboard?

- A. To reduce pressure on keys.
- B. To improve accuracy in typing.
- C. To replace the password system.
- D. To cut the cost of e-space protection.

29. What makes the invention of the smart keyboard possible?

- A. Computers are much easier to operate.
- B. Fingerprint scanning techniques develop fast.
- C. Typing patterns vary from person to person.
- D. Data security measures are guaranteed.
30. What do the researchers expect of the smart keyboard?
- A. It ' ll be environment-friendly.
- B. It ' ll reach consumers soon.
- C. It ' ll be made of plastics.
- D. It ' ll help speed up typing.
31. Where is this text most likely from?
- A. A diary. B. A guidebook C. A novel. D. A magazine.

**答案解析：**

28. D 解析：根据第二段第一句“ At present, these technologies are still expensive, though. ” 和第二句“ This smart keyboard precisely measures the cadence with which one types and the pressure fingers apply to each key. ” 可知，目前生物测量技术仍然昂贵，而这款智能键盘能够精确测量打字节奏和手指对每个键的压力，从而提供一层强大的安全保护。因此，研究人员开发智能键盘的目的是为了降低电子空间保护的成本。故选D。

29. C 解析：根据第三段最后两句“ These patterns are unique to each person. Thus, the keyboard can determine people ' s identities... ” 可知，每个人的打字模式都是独特的，这使得智能键盘能够确定使用者的身份。因此，智能键盘的发明之所以可能，是因为打字模式因人而异。故选C。

30. B 解析：根据最后一段最后一句“ The team hopes to make it to market in the near future. ” 可知，研究团队希望智能键盘能在不久的将来上市。这表明研究人员期望智能键盘很快就能到达消费者手中。故选B。

31. D 解析：根据文章的内容和风格，这是一篇关于新技术的介绍性文章，很可能是从科技杂志或类似出版物中摘录的。因此，最有可能的来源是杂志。故选D。

