

入 学 試 験 問 題 (2次)

外 国 語

令和3年2月10日

試験時間 30分

注 意 事 項

- 1 試験開始の合図があるまで、この問題冊子と解答用紙を開かないこと。
- 2 この問題冊子は表紙・白紙を除き2ページである。解答用紙は表紙を含め2枚である。落丁、乱丁、印刷不鮮明の箇所等があった場合は申し出ること。
- 3 解答には必ず黒鉛筆(またはシャープペンシル)を使用すること。
- 4 設問に全て解答すること。
- 5 解答を訂正する場合は、消しゴムできれいに消すこと。
- 6 監督員の指示に従って、問題冊子の表紙の指定欄および2枚の解答用紙の指定欄に受験番号、氏名を記入すること。
- 7 この問題冊子の余白は、草稿用に使用してよい。ただし、切り離してはならない。
- 8 解答用紙およびこの問題冊子は、持ち帰ってはならない。

受験番号				
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上の枠内に受験番号を記入しなさい。

次の英文を読み、設問に答えなさい。

The Singapore government is using a robotic dog called Spot to ensure that walkers, runners, and other park visitors stay at least six feet away from one another. The initiative is part of an ongoing effort to help minimize the spread of COVID-19 by promoting social distancing in public places. As a part of a pilot program launched earlier this month, the robo-dog has already been seen barking in Singapore parks. Using remote navigation, the four-legged, 60-pound robot is equipped with a camera and pre-recorded message that “barks” a warning whenever it comes across someone who isn’t practicing safe distancing.

“Spot will be controlled remotely, reducing the manpower required for park patrols and minimizing physical contact among staff, volunteer safe distancing ambassadors and park visitors. This lowers the risk of exposure to the virus,” according to a press release from the Singapore government. “Spot is fitted with safety sensors to detect objects and people in its path. It has built-in algorithms to detect an object or person within one meter of its proximity to avoid collision.”

Throughout the program’s two-week trial period, at least one national parks officer will accompany the robot. The pilot program comes in response to an attack that occurred on May 4 at a different park in Singapore where a man reportedly injured a national parks officer with a knife while he was enforcing safe distancing measures.

Boston Dynamics corporation originally developed Spot to be used in environments inaccessible to traditional robots, such as construction sites. However, in recent months, various organizations have been finding new ways to put the latest technology to good use, including its current job as a social distancing officer.

“A few months ago, I don’t think anybody was thinking about social distancing,” says Michael Perry, vice president of business development at Boston Dynamics. “The fundamental value of Spot is that you’re taking somebody out of a

hazardous environment where they're being asked to do something very simple and you're putting a robot there instead.”

問題 1 本文の要旨を 100 字以内で記載しなさい。

(英数字を用いず，漢字・かなのみとし，句読点は 1 字とする。)

問題 2 この文章で述べられている方法であなた自身が監視・警告されることにつき，抵抗を感じるか，あなたの意見を 200 字以内で簡潔に述べなさい。

(英数字を用いず，漢字・かなのみとし，句読点は 1 字とする。)

