

# 平成21年度 大学院博士(前期)課程入学者選抜学力試験

## 英 語

[90分]

### 注 意 事 項

1. 試験開始の合図があるまで、この問題冊子を開かないでください。
2. 問題は1ページから5ページにあります。ページ番号のついていない紙は下書き用紙です。
3. 解答用紙は3枚に分かれているので、すべての解答用紙の所定欄に受験番号と氏名をはっきりと記入してください。
4. 解答冊子の表紙の所定欄に受験番号と氏名をはっきりと記入してください。
5. 下書き用紙2枚が解答用紙と一緒にあります。
6. 試験中に問題冊子の印刷不明瞭、ページの落丁・乱丁および解答用紙の汚れ等に気がついた場合は、静かに手を上げて監督員に知らせてください。
7. 試験終了後、問題冊子および下書き用紙は持ち帰ってください。
8. 問題ごとならびに問いごとに配点が記されています。





## I Reading Comprehension

Read the article below and answer the following questions. (配点 70 点)

### Keyboards 'dirtier than a toilet'

**Some computer keyboards harbour more harmful bacteria than a toilet seat, research has suggested.**

A consumer group said tests at its London offices found ① equipment carrying bugs that could cause food poisoning. Out of 33 keyboards swabbed, four were regarded as a potential health hazard and one harboured five times more germs than one of the office's toilet seats. Microbiologist Dr Peter Wilson said a keyboard was often "a reflection of what is in your nose and in your gut".

During the consumer group tests in January this year, a microbiologist deemed one of the office's keyboards to be so dirty he ordered it to be removed, quarantined and cleaned. ② It had 150 times the recommended limit for bacteria - five times as filthy as a lavatory seat tested at the same time, the research found. The equipment was swabbed for bugs, such as those that can cause food poisoning like E.coli and staphylococcus aureus.

Dr. Wilson, a consultant microbiologist at University College London Hospital, told BBC Radio 5 Live sharing a keyboard could be passing on illnesses among office workers. "If you look at what grows on computer keyboards, and hospitals are worse, believe it or not, it's more or less a reflection of what's in your nose and in your gut," he said. "③ Should somebody have a cold in your office, or even have gastroenteritis, you're very likely to pick it up from a keyboard."

The consumer group said one of the causes of dirty keyboards was users eating lunch at their desk, with ④ crumbs encouraging the growth of bacteria. Poor personal hygiene, such as not washing hands after going to the toilet, could also be to blame, it said.

## Cleaning techniques

⑤ The consumer group computing editor Sarah Kidner advised users to give their computer “a spring clean”. “It’s quite simple to do and could prevent your computer from becoming a health hazard,” she said. She said dust and food crumbs should be shaken out of keyboards and they should be wiped with a soft, lightly dampened, lint-free cloth. They should also be disinfected with alcohol wipes.

Research by the University of Arizona last year found the average office desktop harboured 400 times more bacteria than the average office toilet seat. They also found that, compared to men, on average women have three to four times the amount of germs in, on and around their work area.

Story from BBC NEWS:

<http://news.bbc.co.uk/go/pr/fr/-/1/hi/uk/7377002.stm>

Published: 2008/05/01

## Notes

- consumer group = 消費者行動研究所
- to harbour = 宿る
- gastroenteritis = 胃腸炎
- E.coli (Escherichia coli) = 大腸菌の学名
- staphylococcus aureus = ブドウ球菌
- hygiene = 衛生
- spring-clean = 大掃除
- lint-free = 糸くずのないこと

問1 What does ① equipment refer to? Choose the best answer from the following. (配点 4 点)

- (a) the workplace environment
- (b) toilet seats
- (c) all things at the office
- (d) keyboards

問2 What does ② it indicate? Choose the best answer from the following. (配点 4 点)

- (a) the consumer group
- (b) one of the office's keyboards
- (c) the microbiologist's keyboard
- (d) the lavatory seat

問3 What does ③ should mean in the context of the article? Choose the best answer from the following. (配点 4 点)

- (a) ought
- (b) if
- (c) might
- (d) must

問4 According to the text, what seems to be the **main goal** of this research? Choose the best answer from the following. (配点 4 点)

- (a) To improve workplace health and hygiene.
- (b) To design healthier keyboards for the future.
- (c) To prove that toilets are safer than office keyboards.
- (d) To highlight the need for keyboard hygiene awareness.

問5 What problem is identified by the phrase, ④ crumbs encouraging the growth of bacteria ? Choose the best answer from the following. (配点 4 点)

- (a) eating lunch at a desktop.
- (b) food dropped on a keyboard can lead to sickness.
- (c) disinfect a keyboard with alcohol wipes.
- (d) crumbs prevent the growth of bacteria.

問6 Judge **TRUE** or **FALSE** each statement below, according to the text. (配点 30 点)

- (A) Research showed approximately 12% of keyboards to be a health risk.
- (B) Keyboard hygiene reflects what is inside the owner's nose and stomach.
- (C) In an office environment, colds are always picked up from keyboards.
- (D) Dr Wilson, a microbiologist, warns office workers not to use keyboards.
- (E) The main cause of dirty keyboards was people eating lunch at their desk.
- (F) It is difficult to make keyboards less of a health hazard.

問7 Translate the underlined paragraph ⑤ into Japanese. (配点 20 点)

## II Academic Skills

Answer the following question about the research reported in the article. (配点 30 点)

Describe the purpose, results, and recommendations of the research by the consumer group and university researchers. Write your answer in English within 90-120 words.

問題は、このページで終了である。



