2021 年度
大学院理工学研究科【情報システム工学専攻】博士前期課程
一般選抜試験（第Ⅱ期）試験問題

英　語

開始時刻　午前 9 時 30 分

終了時刻　午前 10 時 15 分

【注意事項】

1．解答用紙には受験番号、氏名を必ず記入してください。

2．配布された答案用紙は試験が終了したら、必ず提出してください（問題用紙は提出しなくてよい）。

1 次の英文を読み、［問 1］～［問 10］に答えよ。

The coronavirus pandemic is forcing workplaces around the world to change the way they do business. Firms in Japan are finding ways to make teleworking efficient and <u>effective (1)</u>. One of Japan's major snack food makers, Calbee, conducted an operational review last month. Management decided to extend teleworking indefinitely, with about 800 employees <u>clocking in from home (2)</u>.

The firm has canceled an allowance it supplied for commuter passes. Instead, it is offering a new <u>subsidy (3)</u> for costs related to working from home. "We realized that we can work anywhere," says Takeda Masako, General Manager of Calbee's Human Resources and General Affairs Division. "There is a need for every worker to change the way they work, not just to do at home what they did in the office." Many employers have similar arrangements in place, but for some people, the new environment is taking time to get used to. A recent survey by Recruit Management Solution found that nearly half of work-from-home employees are not giving or receiving feedback like they used to. About 40 percent say they miss being able to chat and share ideas.

That is where the virtual office setup steps in. It is a service designed to make "<u>remote work (4)</u>" feel less so. Advertising employee Himeda Wakako works out of a satellite office in suburban Tokyo. Every morning, she and her colleagues sign into their <u>virtual office (5)</u>. Her coworkers are in a variety of physical locations, but they feel well connected. They set their own avatar status to "available," "away," "on the phone" or "busy". To check if someone is available, all they need to do is move a cursor. The employees feel like they are working under the same roof. That is partly because they can check on each other's status in the virtual office.

The president of the firm that employs Himeda says the virtual office is helpful. "Japanese workers try to read the situation and carry out their duties accordingly. Since we cannot see others' situations while teleworking, I think <u>many workers find it hard to communicate (6)</u>," says Miyata Shiho. Himeda says she can call on colleagues directly, even for small issues. "I have experienced <u>great ideas coming out (　　　) (7)</u> casual conversations in a real office," she explains. "I think this system provides a very close environment." Virtual offices are becoming the new normal for some firms in Japan. They can <u>foster (8)</u> strong teamwork, { _____ } <u>(9)</u>.

(This article originally appeared in NHK WORLD-JAPAN in July 2020.)

［問 1］下線(1)の意味として最も適切な文を次の中から選びなさい。
    (a) having strong feelings and showing them to other people
    (b) relating to a job that needs special education and training
    (c) correct or suitable for a particular time, situation, or purpose
    (d) successful, and working in the way that was intended

[問 2] 下線(2)は、どのような状況を説明しているのか、答えなさい。

[問 3] 下線(3)の複数形「subsidies」の使い方として誤っている文を次の中から選びなさい。
    (a) The country's industry would not survive without government subsidies.
    (b) US farmers are having trouble coping with the reductions in agricultural subsidies.
    (c) After taking an overdose he told his neighbor what he had done and she called subsidies.
    (d) Federal subsidies would be available to help employers pay the insurance premiums.

[問 4] 下線(4)に関して、この記事では「remote work」には、どのような問題点があると述べられているか答えなさい。

[問 5] 下線(5)に関して、この記事では「virtual office」は、どのようなものであると述べられているか、英文 40 語以内で説明しなさい。なお、文章は複数でも構わない。

[問 6] 下線(6)に関して、なぜこのようになるのか、理由を答えなさい。

[問 7] 下線(7)の(　　　)に入る最も適切な前置詞を答えなさい。

[問 8] 下線(8)の動詞「foster」の目的語として適切でないものを次の中から選びなさい。
    (a) children's language skills
    (b) visceral condition
    (c) a sense of assurance
    (d) better communication

[問 9] 下線(9)に入るべき文を、次の単語を並べ替えて作成しなさい。
        the / located / where / no / are / matter / employees

[問 10] 下の文は、この記事の実際のタイトルです。記事の内容に従い、空欄に入るべき適切な単語を答えなさい。
    Bringing remote workers（　　　　　　）together

2 つぎの［問11］〜［問15］の日本語文を英語に翻訳しなさい。

［問11］新しい技術の開発では、しばしば、特許に注意しなければならない。

［問12］今後2年のうちに新しい発見ができれば、私は幸いです。

［問13］あなたはこの分野のシンポジウムで発表したことがありますか。

［問14］実験の条件を詳しく書かないと、結果は信用されない。

［問15］プロジェクト成功の鍵は、開発チームメンバーの間のコミュニケーションである。