

問題・解答 用紙番号	55
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の解答用紙に解答しなさい。

英 語

〈受験学部・学科〉

理工学部(住環境デザイン学科・建築学科・都市環境工学科・機械工学科・電気電子情報工学科)
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問題は100点満点で作成しています。

I 次の文章を読み、設問に答えなさい。なお、文章の左にある数字は段落の番号を表しています。
(32点)

- 1 On a hot summer day, we like to find a cool place to study. Many of us use air conditioning, but there is a less expensive way to keep cool: simply open up the windows. By opening windows in ⁽¹⁾different parts of a house, cool air can flow in the front and exit out the back, giving us a nice cool breeze. We can also improve the air flow by using fans. We can place a fan by a window to bring in ⁽²⁾outside air. We might even place fans in places where they can help blow warm air out. The stove in your kitchen, for example, probably has a fan over it that can help do this.
- 2 Now these ways that we keep ourselves cool are also used to keep computers cool. The things inside a computer—the various components like the CPU* and graphics card—need to be kept cool to work well. If those parts get somewhat hot, the computer will slow down. If they get ⁽³⁾extremely hot, the computer will break down. Today's topic is about keeping computers cool.
- 3 The traditional way to keep computers cool has been with air. Fans, ⁽⁴⁾in particular, have been effective in keeping cool air flowing over hot computer parts. In most computers, fans are ⁽⁵⁾set up to push cool air into the case, pull it out, or do both. When a computer has fans that only blow cool air into the case—like using a fan in a window to bring air into your house—this creates what is

called “positive pressure.” Positive, like “plus” or “more,” means that inside the computer there is *higher* air pressure thanks to all the air that has been pushed in. It’s like what happens when you keep blowing air into a balloon. Because the air pressure inside the computer is higher than the pressure outside, the air will try to escape. And since a computer case has many small “escape” holes, the air inside will get out.

- 4 Another way to cool a computer is with fans that only blow air out. This creates negative pressure inside the computer. ⁽⁶⁾Basically, the fan is trying to pull all the hot air out of a computer. The “negative” or “minus” means that the air pressure inside the computer is lower than the pressure outside the computer. But cool air from outside the computer will get pulled inside through all the small holes and air vents*. This cool air can then cool down the hot parts before being blown out. Remember the fan over your stove? This works the same way to remove smoke, strong smells, and hot air from your kitchen. Many computer ⁽⁷⁾designers prefer this method ⁽⁸⁾ for cooling down hot computer components.

(出典：All-Round Practice for the TOEFL Test, 菊地恵太・Jeffrey Durand 著, 南雲堂)

(注) CPU* コンピュータの中央処理装置
vent* 通気孔

問1 下線部(1)~(8)の文章中での意味として最も適切なものを、それぞれの番号の(A)~(D)の中から一つずつ選びなさい。

- | | | | |
|----------------------|------------------|-------------------|----------------|
| (1) (A) efficient | (B) costly | (C) complicated | (D) reasonable |
| (2) (A) restrict | (B) decrease | (C) upgrade | (D) stretch |
| (3) (A) slightly | (B) intensely | (C) rapidly | (D) rarely |
| (4) (A) especially | (B) generally | (C) occasionally | (D) finally |
| (5) (A) investigated | (B) recorded | (C) defined | (D) arranged |
| (6) (A) Apparently | (B) Barely | (C) Essentially | (D) Nearly |
| (7) (A) get rid of | | (B) catch up with | |
| | (C) look down on | | (D) live up to |
| (8) (A) explanation | (B) equipment | (C) means | (D) research |

問2 (1)~(4)の質問の答えとして最も適切なものを、それぞれ下の(A)~(D)の中から一つずつ選びなさい。

- (1) According to paragraph 1, which of the following is true?
- (A) A cool corner in a kitchen is the best place to study in summer.
 - (B) Kitchen fans above stoves can increase hot air in a house.
 - (C) Without air conditioning, it is difficult to cool down a hot room.
 - (D) Adjusting the air flow in an area can affect the temperature.
- (2) According to paragraph 2, which of the following is true?
- (A) CPUs have been shown to run faster at high temperatures.
 - (B) Managing the temperature inside a computer helps it operate better.
 - (C) When computers get too cold, they stop working entirely.
 - (D) Computers and humans require similar operating temperatures.
- (3) According to paragraph 3, which of the following is true?
- (A) Positive pressure is created when a lot of air has been pushed inside a computer.
 - (B) Hot air damages the insides of computers, balloons and people.
 - (C) Many computer manufacturers use fans to heat the internal parts of PCs.
 - (D) Computers cannot operate without hot air inside.
- (4) According to paragraph 4, which of the following is true?
- (A) Both kitchen and computer fans move hot air from one place to another.
 - (B) Both kitchen and computer fans build up pressure in a closed space.
 - (C) Computer fans create low pressure, but kitchen fans create high pressure.
 - (D) Computer designers also design kitchen fans.

Ⅱ 次の1～13の英文の空所に入る最も適切なものを、それぞれ下の(A)～(D)の中から一つずつ選びなさい。(26点)

1. _____ at school, Tom realized that all classes had been canceled because a typhoon was expected.
(A) Had arrived (B) Arriving
(C) Being arrived (D) Arrive
2. I want to know how to deal _____ stress effectively.
(A) on (B) in (C) with (D) about
3. Please let me _____ if you have any questions.
(A) knowing (B) to know (C) know (D) known
4. Jennifer had been absent for a month, so she could not _____ the class.
(A) keep up with (B) let go of
(C) succeed (D) dismiss
5. I'm very impressed by the way you _____ after your grandfather.
(A) care (B) think (C) look (D) name
6. Jack got his arm _____ while playing rugby.
(A) break (B) breaking (C) broken (D) to break
7. You can ask me for help _____ you are in trouble.
(A) whatever (B) whenever (C) whoever (D) whichever
8. Our flight was delayed _____ bad weather.
(A) in case of (B) regardless of
(C) due to (D) because
9. I think a small car is _____ a large one because it has good fuel efficiency.
(A) no worse (B) the same (C) as well (D) better than

10. The manager told me that my hair _____ tidy to make a good impression.
(A) should be kept (B) should keep
(C) keep (D) is keeping
11. This situation is quite _____ to what it was five years ago.
(A) like (B) similar (C) same (D) resemble
12. The theater was filled with a large _____.
(A) spectator (B) visitor (C) watcher (D) audience
13. You can say that TV has given _____ to YouTube among young people.
(A) forth (B) pause (C) under (D) way

Ⅲ 次の1～5の日本語の意味を表すようにそれぞれ下の(A)～(G)の語句を並べかえて空所を補い、最も適切な英文を完成させるとき、(1)～(15)に入る語句の記号を答えなさい。ただし、文頭に置かれる語句もすべて小文字で表記されています。(15点)

1. 驚いたことに、兄が宝くじで百万ドルを当てました。

(1)()(2), ()()()(3) the lottery.

- (A) surprise (B) won (C) to (D) my brother
(E) my (F) in (G) a million dollars

2. ロボットが人間よりも知能が高くなるとどうなるでしょう。

()(4)()(5)()(6)() human beings?

- (A) if (B) than (C) robots (D) more
(E) intelligent (F) became (G) what

3. 早く世界平和が訪れることを私は願っています。

I hope the time will soon ()(7)()(8)()(9)()
world.

- (A) to (B) peace (C) come (D) brought
(E) when (F) can be (G) the whole

4. ジョンは、会議に遅刻した納得のいく理由を私に話すことができませんでした。

John couldn't ()()(10)(11)()()(12) was late
for the meeting.

- (A) one (B) he (C) me (D) good
(E) why (F) give (G) reason

5. 読むことを強制されたら、読書の喜びは失せてしまうことでしょう。

I'm sure that being ()(13)()(14)()(15)() books.

- (A) of (B) kills (C) to (D) the joy
(E) reading (F) read (G) forced

IV 次の1～5の会話の空所に入る最も適切なものを、それぞれ下の(A)～(D)の中から一つずつ選びなさい。(15点)

1. Yuki: Hi, Tony. How are you today?
Tony: Great. I'm going camping with my friends.
Yuki: Sounds good. _____ I heard the weather is turning bad tonight.
Tony: I didn't know that. Thanks!

- (A) The conditions for it are perfect.
- (B) But don't forget to take rain gear.
- (C) What's the matter?
- (D) Can I borrow your umbrella?

2. Tim: I used to watch television as soon as I got home from school.
Junko: _____
Tim: Almost six hours until I went to bed around midnight.
Junko: You didn't have enough time to study, did you?

- (A) What time did you go to bed?
- (B) When did you have dinner?
- (C) How many hours a day did you watch it?
- (D) When did your favorite program begin?

3. Makoto: Mary, do you like classical music?
Mary: Oh yeah, I love it!
Makoto: Why don't we go to the Bach concert tomorrow?
Mary: _____ When is the next one?

- (A) I don't think I can make it.
- (B) The weather will be good tomorrow.
- (C) By all means.
- (D) You can say that again.

4. Mika: Do you have a minute?

Daniel: Sure. What's on your mind?

Mika: _____

Daniel: Don't worry about it. I know you've been busy at work and don't have time for other things.

(A) I'm worried about my job interview next week.

(B) I've been having some health problems.

(C) I want to apologize for missing your birthday party.

(D) I think that I've left my glasses somewhere.

5. Keita: Have you read any books recently?

Susan: I just finished a book by one of my favorite authors.

Keita: _____

Susan: To be honest, it's not her best work.

(A) Do you recommend it?


(B) Did you borrow it from a friend?

(C) Is it a book about work?

(D) Are you serious?

V 次の各資料を参照し、設問に答えなさい。(12点)

問1 (1)・(2)の質問の答えとして最も適切なものを、それぞれ下の(A)~(D)の中から一つずつ選びなさい。

MALL DIRECTORY		
	<p>Kute Kidz Zone A [Lower Level] Category: Children's Apparel</p>	<p>World of Elegance Zone A [Upper Level] Category: Accessories, Shoes</p>
<p>Milo Zone B [Lower Level] Category: Accessories</p>	<p><i>American Hawk</i> Zone B [Lower Level] Category: Men's & Women's Apparel</p>	<p>Card World Zone B [Upper Level] Category: Greeting Cards</p>
<p>Capri Zone C [Lower Level] Category: Women's Shoes</p>	<p>Feminize Zone C [Lower Level] Category: Women's Apparel</p>	<p>ToyPort Zone C [Upper Level] Category: Toys & Games</p>
<p>HEELS & SOLES Zone D [Lower Level] Category: Shoes</p>	<p>Bentley's Zone D [Upper Level] Category: Computer Accessories & Games</p>	

(出典 : *Start-up Course for the TOEIC L&R Test <Revised Edition>*
北山長貴・Bill Benfield・Mony Tavakoli 著, 成美堂)

- (1) In how many of the stores can customers buy postcards?
 (A) One (B) Two (C) Three (D) Four
- (2) Which of the following can you buy in Zone B?
 (A) Groceries (B) Furniture
 (C) Men's clothes (D) Kitchen goods

問2 (1)・(2)の質問の答えとして最も適切なものを、それぞれ下の(A)~(D)の中から一つずつ選びなさい。

<p>To: Riku Kobayashi <r.kobayashi@tokyo-mail.com> From: Joan West <j.west@super-sports-store.com> Date: October 28 Subject: Information about your order</p>
<p>Dear Mr. Kobayashi,</p> <p>Thank you very much for your recent order. However, I am sorry to tell you that one of the items that you ordered cannot be sent this week. This is because of a problem with our online purchasing system.</p> <p>The item that will be delayed is the red water bottle. Our online store showed that we had some in stock, but this was not correct. Some new stock will arrive from our supplier next month, so we will send your water bottle to you then. If you would prefer to cancel your order and get your money back for this item, please reply to this email. All of the other items that you ordered will be delivered this week.</p> <p>Please accept our apologies for this error.</p> <p>Kind regards,</p> <p>Joan West Customer Service Assistant</p>

(出典: *Best Practice for the TOEIC L&R Test—Pre-Intermediate*,
吉塚 弘・Graham Skerritt 著, 成美堂)

- (1) Why was the email sent?
- (A) To show appreciation.
 - (B) To describe a problem.
 - (C) To introduce new items.
 - (D) To promote an online store.
- (2) Which of the following is true about the red water bottle?
- (A) It is the most popular color.
 - (B) It will arrive this week.
 - (C) Mr. Kobayashi paid for the bottle.
 - (D) It is one of the items Mr. Kobayashi did not order.