

英 語

(解答番号 ～)

第1問 次の英文（問1～問10）の空欄 ～ に入る最も適切なものを、それぞれ下の①～④の中から一つずつ選びなさい。

問1 When I read the book I five years before, it seemed like a different story.

- ① was reading ② have read ③ had read ④ will read

問2 The little girl answered all the difficult questions. She be a child genius.

- ① must ② ought ③ cannot ④ had better

問3 I'm going to finish the report this Thursday.

- ① during ② on ③ by ④ until

問4 It is essential that every woman wear a long skirt before entering the temple.

- ① could ② might ③ would ④ should

問5 If I were you, I to see her.

- ① had gone ② would go ③ will go ④ was going

問6 Mike talks as if he the famous actress before.

- ① met ② meets ③ has met ④ had met

問7 My wife is always complaining of home too late.

- ① I came ② I coming ③ my coming ④ me to come

問8 You be too careful when you drive a car.

- ① cannot ② ought not to ③ had better not ④ aren't

問9 The old man sat still with his eyes .

- ① closing ② are closing ③ closed ④ be closed

問10 The park John used to walk was in the center of his town.

- ① which ② where ③ whose ④ when

第2問 次の日本文（問1～問5）に合うようにそれぞれ下の①～④の語を並べ替え、
11 ～ 15 に入る最も適切なものを選びなさい。

問1 次の大統領は誰だと思いますか。

_____ 11 _____ will be the next President?

- ① think ② do ③ who ④ you

問2 彼は歴史上、並外れた科学者だ。

He is as _____ 12 _____ ever lived.

- ① a ② great ③ as ④ scientist

問3 彼女が話すのを聞けば、彼女を外国人だと思うだろう。

_____ 13 _____, you would take her for a foreigner.

- ① speak ② her ③ hear ④ to

問4 彼が教室に入るとすぐに、生徒たちは話すのをやめた。

_____ 14 _____ entered the classroom _____ the students stopped talking.

- ① he ② when ③ hardly ④ had

問5 弟は昨夜、母に髪を切ってもらった。

My brother _____ his _____ 15 _____ my mother last night.

- ① cut ② by ③ had ④ hair

第3問 次の問い（問1～問6）の会話の ～ に入る最も適切なものを、それぞれ下の①～④の中から一つずつ選びなさい。

問1

A : May I help you, sir?

B : I'm looking for a birthday present for my daughter.

A :

B : She'll turn four next week.

- ① When's her birthday?
- ② Which way should I go to?
- ③ Where's the toy department?
- ④ How old is she?

問2

A : Would you be kind enough to open the window for me?

B :

- ① Certainly. Let some air in.
- ② No problem. I can't reach the window.
- ③ Sure. I have much to do now.
- ④ Not at all. I need your help.

問3

A : John, you look busy. When's the paper due?

B :

- ① I haven't finished it yet.
- ② It's twelve noon tomorrow.
- ③ Probably I'll hand it to Mr. Brown.
- ④ I'll finish it in an hour or so.

問 4

A : Kate,

B : Who's it?

A : Karen, your friend from tennis team.

B : OK. I'm coming.

- ① you know who she is.
- ② you're a good tennis player.
- ③ you are wanted on the phone.
- ④ you've practiced tennis for long.

問 5

A : Nick, you don't look so good. What's wrong?

B : I have a stomachache.

A : That's a good idea. Take care.

B : Thank you.

- ① I've had a lot.
- ② I'll have breakfast every day.
- ③ I haven't taken medicine yet.
- ④ I'll see a doctor right now.

問 6

A : Excuse me, do you have the time?

B :

- ① It's ten to three.
- ② I'm busy now.
- ③ I'm afraid not.
- ④ Yes. I have it in this bag.

第4問 次の英文を読み、次の問い（問1～問4）に答えなさい。 22 ～ 35

A mosquito is as small as a grain of rice, but it's (ア) a formidable enemy to people. Once you are bitten by a mosquito, you may feel so *itchy that you cannot but *scratch. This is because of the allergic reaction against the component of *saliva *secreted by the mosquito. But never scratch at the itchy spot! Scratching just promotes secretion of *histamine, which causes more itchiness. First of all, water the skin and cool it down.

Mosquitoes are dangerous insects that 22 such serious diseases as *yellow fever, malaria, *filariasis, and *dengue, which can bring death to people. Therefore, it is very important for us not to be bitten by them. When we stop by a pharmacy, we can find a variety of mosquito *repellent. So it's a good idea to take one of them around with us whenever we may go out.

Mosquitoes are insects of the *Order Diptera, that are important in public health because of the bloodsucking habits of the females. The *Culex and the *Aedes are the two major mosquitoes that bite animals or humans and suck their blood. The Culex are a *nocturnal insect that are active especially during spring and autumn, and the Aedes in summer. Some may think that mosquitoes feed on blood, but (イ) it's not their regular diet. Usually they feed on nectar and other plant 23 . It is only the egg-bearing females that suck blood since they need to get protein substance such as animals' or humans' blood, to develop their eggs. They are approaching us by detecting body temperature, sweat, *carbon dioxide and so on.

Research reported in a journal called *Journal of Medical *Entomology* says that mosquitoes are more likely to land on people with blood group O. The study showed that “the *mean relative percent landing on blood group O *secretors (83.3%) was significantly higher than on group A secretors (46.5%).” The reason for this result has not been proven yet. However, this can be valuable information that people with blood group O should share.

In addition to (ウ) those people, who are more likely to attract mosquitoes? Firstly,

those who are *obese should be more careful, because they have large body surface area and also they are more likely to sweat. Secondly, women late in pregnancy seem to attract them. There are some reasons for this. Pregnant women usually have a high body temperature. They have relatively large body surface area. Also their lungs are compressed by the stomach, which increases breathing rate, and they are more likely to 24 carbon dioxide. That's why they can (イ) be a mosquito magnet. Thirdly, children are more likely to be bitten by mosquitoes, because they have higher body temperature, and they are likely to sweat as they have a faster metabolism. Interestingly, those with sunburned skin and people in black are also liked by mosquitoes, because nocturnal mosquitoes love 25 colors.

So, what should we do to avoid mosquitoes? The most important thing is to 26 the number of mosquitoes around us. Mosquito *larva live in water and (ウ) mature into mosquito. Therefore, we had better not hold water around us. For example, when you find rainwater in the containers outdoors, drain it immediately.

As we raise temperature, we can easily get sweaty. If we get sweaty, we should wipe our body as soon as possible. Or, we should take a shower if we can.

(注) itchy : かゆい scratch : かく, こする saliva : 唾液
secrete : 分泌する histamine : ヒスタミン yellow fever : 黄熱病
filariasis : フィラリア症 dengue : デング熱 repellent : 虫よけ
Order Diptera : 双翅目^{そうし} Culex : イエカ Aedes : ヤブカ
nocturnal : 夜行性の carbon dioxide : 二酸化炭素 entomology : 昆虫学
mean : 平均の secretor : 分泌型 obese : 肥満の larva : 幼虫

問1 英文中の空所 **22** ~ **26** に入る最も適切なものを、それぞれ下の①~④の中から一つずつ選びなさい。

22

- ① transfer ② transmit ③ interfere ④ contract

23

- ① animals ② humans ③ blood ④ juices

24

- ① breathe out ② breathe over ③ breathe in ④ breathe into

25

- ① bright ② light ③ dark ④ hot

26

- ① decrease ② increase ③ count ④ figure

問2 下線部(ア)~(ウ)の意味に最も近いものを、それぞれ下の①~④の中から一つずつ選びなさい。 **27** ~ **29**

(ア) a formidable enemy

27

- ① a threatening behavior ② a huge capacity
③ a tough opponent ④ a weak challenger

(イ) be a mosquito magnet

28

- ① get rid of mosquitoes ② become targets for mosquitoes
③ detect mosquitoes ④ get mosquito repellent

(ウ) mature

29

- ① swim ② sleep
③ bring ④ grow

問3 二重下線部(1)・(2)の内容を表すのに最も適切なものを、それぞれ下の①～④の中から一つずつ選びなさい。 30 , 31

(1) it

30

- ① the Culex ② the Aedes ③ blood ④ nectar

(2) those people

31

- ① people with blood group A ② people with blood group O
③ those who are obese ④ women late in pregnancy

問4 本文の内容に合うように、下の(A)~(D)の ~ に入る最も適切なものを、それぞれ下の①~④の中から一つずつ選びなさい。

(A) The author reports that mosquitoes are so tiny but dangerous that

- ① we should water the skin in order to avoid being bitten by them.
- ② we should take preventive actions so as not to be bitten by them.
- ③ we can experience the allergic reaction when we are bitten by them.
- ④ we must promote secretion of histamine by scratching the itchy spot.

(B) The author describes the bloodsucking habits of mosquitoes,

- ① which are specific to the egg-bearing females.
- ② which can be seen both on the males and the females.
- ③ which are never seen in winter.
- ④ which are unique for the two major mosquitoes, the Culex and the Aedes.

(C) According to the author, those who are more attractive to mosquitoes are

- ① people with blood group A who have just taken a shower.
- ② obese people wearing a white T-shirt.
- ③ children who are all sweaty.
- ④ pregnant women who are in an air-conditioned room.

(D) According to the author, what we can do to avoid mosquitoes is

- ① to sprinkle water in front of the house to keep out the heat.
- ② not to collect rainwater around us.
- ③ to stick to regular exercise and improve our metabolism.
- ④ to teach how to lose weight to obese people.