

2023年度

帰国生入学試験

## 【 基礎学力検査 】

### [ 英語 ] 問題

1. 問題および解答用紙は試験開始の合図があるまで開かないでください。
2. 解答はすべて解答用紙の所定の欄に記入してください。
3. 受験番号および氏名は解答用紙の所定の欄にそれぞれ記入してください。
4. 試験終了後、解答用紙を問題の上にふせて置いてください。
5. 回収するのは解答用紙だけです。問題は持ち帰ってください。
6. [ 英語 ]の問題は1ページから5ページまでです。

I 次の英文を読み、設問に答えなさい。

( \* のついた語句には本文の最後に注があります。)

Birds fly from tree to tree, from tree to house, and then back again. ①If we watch birds all year, we find that some seem to disappear in fall. The days get shorter and colder in fall. They are flying from North America to the south, such as Central or South America because it is warmer there. Early in spring the first birds begin to come back. Every spring, birds return north to make their nests, lay their eggs, and have their babies. We say that the birds are ②“migrating.” They are moving from their winter homes in the south to their summer homes in the north.

Once they reach their northern homes, they will build their nests. They may build nests in trees, or \*shrubs, or on porch \*ledges. \*Woodpeckers may \*bore holes into trees and make their nests inside. Some go to the same nesting area or even to the exact same nest that they used the summer before.

③Long ago people did not know that some birds migrate. They thought the birds hid in holes in the ground and slept all winter. Some people guessed that birds spent the winter in the mud on the bottoms of ponds. Now we know where these birds go. When birds start to migrate, ornithologists—scientists who study birds—use traps and nets to catch a few of them. They put bands on their legs and then let the birds go. The bands do not hurt the birds. Each band has a word on it that tells where and when the bird was banded. Some birds migrate for weeks because they stop along the way. Other birds fly for only a few days. Some birds fly thousands of miles when they migrate. We know that \*orioles fly south to Panama and \*barn swallows fly to Central and South America. \*Hummingbirds weigh only as much as a coin, but when they migrate, they fly over the sea for 500 miles without stopping. \*Arctic terns fly more than 10,000 miles—all the way from North America to the South Pole.

How do the birds know where to go and how do they find their way? That’s ④the big mystery. Some birds may follow rivers, mountains, or seashores, but many birds find their way over the ocean. There seems to be nothing to guide the birds flying over the ocean.

⑤Ornithologists have some ideas 【 is / birds / how / which / know / about / way 】 north or south. Birds migrate both in the daytime and at night. When birds fly in the daytime, they use the sun to guide them. Birds seem to know what time of day it is and can use the sun’s position to find north and south. They know that when they fly south in the morning, they must have the sun on the [ ⑥ ]. It is because the sun is in the east in the morning. When birds fly south in the [ ⑦ ], the sun must be on the right.

When birds fly at night, the stars help them to find their way. Scientists have tested this idea. Birds were put in a big planetarium. The staff in the planetarium placed the stars in the sky as we see them. The birds flew in one direction. When the pattern of the stars was changed, the birds flew in a different direction. It was clear that the birds noticed that the position of the stars changed.

However, birds can also find their way when it is cloudy. They fly when they cannot see the sun during the day or the stars at night. How do they know which way to go? ⑧ One idea is that birds are able to use the earth's \*magnetic field to guide them. The magnetic field is a force that surrounds the earth. It is strongest near the North and South Poles. The magnetic field makes the needle on a \*compass point north. Ornithologists think that some birds may have inner "compasses" in their bodies.

\*Homing pigeons are especially good at finding their way. When they are taken far away from home, they are usually able to find their way back. Scientists have experimented with these pigeons. They put special covers over the birds' eyes, so the pigeons cannot see clearly. Even when the pigeons cannot see, they are often able to return home.

⑨ Scientists know that birds have an inner yearly calendar. This calendar tells the birds that when the days become shorter, it is fall and it is time to migrate south. When the days become longer, it is spring and time to migrate north.

When fall approaches, birds eat a lot of food to store energy for their flight. Suddenly they are gone. They have started to migrate. Several months later, the birds are getting ready to migrate again. They must make their long journey to the north. It is time to build nests, lay eggs, and raise babies.

Even though people have watched birds for thousands of years, we still do not have all the answers about bird migration. Ornithologists keep studying and studying. If you become one, maybe you can find the answers to some of the mysteries.

注)

shrub(s) : 茂み      ledge(s) : 軒下<sup>のきした</sup>      woodpecker(s) : キツツキ  
bore : (穴を) あける      oriole(s) : ムクドリモドキ      barn swallow(s) : ツバメ  
hummingbird(s) : ハチドリ      arctic tern(s) : キョクアジサシ  
magnetic field : 磁場      compass(es) : 方位磁石      homing pigeon(s) : 伝書バト

問1 下線部①について、次の質問の答えとして最も適切なものをア～エから一つ選び、記号で答えなさい。

If we watch birds all year, what do we find?

- ア The kinds of birds around us are the same every season.
- イ Some birds around us disappear into the ground in fall.
- ウ We don't see some kinds of birds in certain seasons.
- エ All the birds have both summer and winter homes.

問2 下線部②について、本文の内容と一致しないものをア～エから一つ選び、記号で答えなさい。

- ア Some birds travel very long distances from south to north and others don't.
- イ In summer, some birds move south to make their nests and have babies.
- ウ Some birds go south to spend their winter days in warmer places.
- エ When spring comes, some birds come back north to their summer homes.

問3 下線部③について、次の質問の答えとして最も適切なものをア～エから一つ選び、記号で答えなさい。

How did people discover that some birds migrate?

- ア It was found that the birds slept in holes in the ground all winter.
- イ Some scientists discovered the birds spending the winter in the mud of ponds.
- ウ Ornithologists caught birds in different places by using special bands.
- エ The birds with special bands on their legs were found in a far-away place.

問4 下線部④について、本文で述べられていないものをア～エから一つ選び、記号で答えなさい。

- ア When some birds migrate, they may find their way by using landscapes.
- イ When birds fly in the daytime, they fly toward the sun to find north or south.
- ウ Birds which travel during night find their way by the places of the stars in the sky.
- エ Birds seem to feel some power from the earth, so they can find their way even if they cannot see.

問5 本文の内容に合うように、下線部⑤の【     】内の語(句)を並べ替えなさい。

問6   に当てはまる最も適切な1語をそれぞれ書きなさい。



II 次の英文を読み、下線部①～③の日本語を英語に直しなさい。

Switzerland is well known for its quality chocolate. The nation has gained international popularity for its premium brands. ①2020年8月の終わり頃、スイスのある町に住む人々は、非常に奇妙なものを見て驚いた。 It started “snowing chocolate.” The local people thought that the chocolate dust was a strange result of climate change.

However, all became clear after the local chocolate maker said the brown shower was caused by an error in its cooling systems. ②強い風のせいで、そのエラーによってできたチョコレートほこりが町中に広がった。

The town was covered with light brown dust, which had the flavor of milk chocolate. The company offered to pay for any cleaning services required as a result of the accident. ③その会社の社長は、その工場の近くに住む人たちに、チョコレートほこりは健康や環境にとって危険ではないと言った。 The president also said engineers were working on repairing the machine that didn't work well. Many people wrote jokes about the cocoa-dust accident on social media. A Twitter user wrote: “Chocolate snowflakes falling from the sky, dreams come true!” Another tweeter commented, “I am dreaming of a brown Christmas.”

【以下余白】

