

2021（令和3）年度

1日[*]

外国語（Reading & Writing）

注 意

1. 監督者の指示があるまで問題を見ないこと。
2. 声を出して問題を読まないこと。
3. 問題は11ページ、**1** から **4** までである。
4. 問題や解答用紙に落丁、乱丁、汚損あるいは印刷不鮮明の箇所があれば、手をあげて監督者に申し出ること。
5. 解答は必ず**鉛筆を使用し、解答用紙に記入すること**。
6. **1**、**2** および **3** の2の解答は、解答用紙の解答欄の記号にマークすること。**3** の1と **4** の解答は解答用紙の所定の欄に記述すること。
7. 訂正箇所は、消しゴムで**きれいに消すこと**。
8. 解答欄には、関係のない符号や文字あるいはメモなどを記入しないこと。
9. 解答用紙を**折ったり汚したりしないこと**。
10. 問題用紙は持ち帰ること。

1

次の文章に関して空所補充問題と読解問題がある。まず本文の(1)から(6)までの空所を埋めるために、前後関係から考えて最も適切だと思うものをAからCの選択肢より1つ選び、解答欄の記号にマークしなさい。次に、内容に関する(7)–(9)の設問について、文章の内容から判断して最も適切だと思うものをAからDの選択肢より1つ選び、解答欄の記号にマークしなさい。[30点]

Animated films (or *anime*, as they are called in Japan) are a popular form of entertainment for children and adults alike today. If you mention the word “animation,” many people think of Walt Disney and his famous characters, such as Mickey Mouse and Donald Duck, that appeared back in the 1920s. But the history of animation dates back years before Walt Disney first began making films in Hollywood.

The earliest animated films, which appeared around 1900, (1) [A. attained a good reputation B. took a long time to make C. did not cost a lot]. This was because the technology was very limited at the time. The creators had to draw each image and photograph it, adding small changes each time to create the illusion of movement. This method was called “stop-motion animation.” It was used to make the 1906 film, *Humorous Phases of Funny Faces*, directed by James Stuart Blackton, which is often considered to be the world’s first animated film. This early film (2) [A. forbade film makers B. encouraged other directors C. urged local governments] to try making animated films.

One of the most famous of these early directors was Winsor McCay, an artist and cartoonist. In 1914, he created a very popular animated film titled *Gertie the Dinosaur*. Creating this film required McCay to draw over 10,000 illustrations on rice paper by himself. This was very difficult and time-consuming. The huge amount of time needed to make these animated films was a (3) [A. sensitive belief B. potential

profit C. critical problem].

Around the same time, a man named John Bray began to look for a way to produce animated films ((4)) [A. fully in detail B. more loudly and vividly C. quickly and cheaply]. He created a new technique to produce hundreds of identical background images, with blank spaces where the moving images could be added later. Bray went on to create the first full-color animation, *The Debut of Thomas the Cat*, released in 1920.

Another cat, named Felix, was even more famous during the 1920s. The Felix the Cat character first appeared in a cartoon in 1919. Soon after, several animated films featuring the cat were also made. Not only were the films extremely popular, but many toys and other products related to the Felix character were created.

In the late 1920s, the popularity of the character ((5)) [A. began to decline B. was expected to regain C. suddenly expanded]. One reason was that the producers of the Felix the Cat films were too slow to adapt to the new “sound” technology. Other producers were creating animated films in which the characters could talk. One of these producers was Walt Disney, who created a sound animation in 1928 titled *Steamboat Willie* starring a mouse named Mickey and his girlfriend Minnie. ((6)) [A. For instance B. Before long C. But still], Mickey became more famous than Felix. This was the beginning of a new era in animation — the age of sound films and the studio of Walt Disney.

- (7) What is the main topic of this passage?
- A. The popularity of animation in Japan and America.
 - B. The popularity of animation during the 1920s.
 - C. The first films made by Walt Disney in Hollywood.
 - D. The early history of the art of animation.
- (8) According to the passage, what can be said about “stop-motion animation”?
- A. It was a technology that was invented in 1906.
 - B. It was used to create what is probably the first animated film.
 - C. It was a technique that was preferred by many photographers.
 - D. It was used by James Stuart Blackton to make films with other directors.
- (9) According to the passage, what is one thing that happened in the 1920s?
- A. Mickey Mouse started to become a bigger star than Felix the Cat.
 - B. Walt Disney invented the technology for sound movies.
 - C. John Bray created the world’s first animation starring a cat.
 - D. Toys of Felix the Cat became more popular than the film.

次のページに進みなさい

2

次の1から5で始まる英文は、並べられた順で5つの段落それぞれの書き出しの文となっている。それぞれの下線部に、AからFまでの文章のどれを続けたら5つの段落全体を合わせて筋の通った自然な文章になるか。最も適切なものをAからFより1つ選び解答欄の記号にマークしなさい。ただし、AからFのうちには選ばれないものもある。（*印の語（句）は注を参照のこと）[25点]

1. For most people, the evidence that our planet is round is so overwhelming that we don't even consider other possibilities.

2. These "Flat Earthers" believe as they do mainly because they are unable to see the curvature* of the earth along the horizon.

3. Flat Earthers believe that the photographic images we have of a spherical earth are digitally fabricated* to deceive everyone and that GPS devices are rigged to make airline pilots believe they are flying around the earth when they are only flying in straight lines over a disc.

4. An early advocate of the theory that the earth is flat was Samuel Rowbotham, who wrote an anti-round-earth pamphlet in the 19th century called *Zetetic Astronomy*.

5. The fact that Flat Earthers are willing to reject mountains of evidence and the overwhelming consensus of scientists and prefer to believe in their own power of observation is not an isolated curiosity.

- A. The first word of the title means “proceeding by inquiry.” The document is often used by Flat Earthers to describe their alternative to the scientific method—the way modern scientists develop theories. That is, they test suppositions or hypotheses by trying to prove they are false, in order to establish that what we observe in the universe should be believed.
- B. They say the earth is shaped like a disc, with the Arctic Circle at the center of the disc and Antarctica around the edge of the disc forming a high wall of ice. They believe that the sun, moon and stars are spheres that move around above the earth, illuminating it in different places throughout the day or night from a distance of less than 5,000 kilometers from the earth.
- C. However, there are a growing number of people who don’t believe in a spherical earth. They have developed various explanations for their belief in a flat earth.
- D. The organization responsible for this deception, they say, is NASA, the American space agency. They claim that the probable motive for NASA telling everyone the earth is round is mainly financial, since it is much easier and cheaper to run a fake space program than a real one.

E. Many scientific theories have been disproved as new research and evidence came to light. The fields of geology and geography are certainly not exceptions to this trend. For example, if we compare a geography textbook from the 17th century to a current one, the differences will be obvious, and we can clearly see how much science has progressed over the course of four centuries.

F. It should be viewed as part of a much larger trend in recent decades. Not knowing things has always been part of humanity. But rather than seeking to follow conventional wisdom, more and more people have concluded that questioning science as is known today is better. Rejecting widely accepted truths makes such people feel they are wielding power over the world's elite, whom they regard increasingly with mistrust and even disdain. So it is unsurprising that quite a few people are added each year to the numbers of Flat Earthers.

[注] curvature: 湾曲

fabricate: ねつ造する

次のページに進みなさい

3

設問に答えなさい。[23点]

1. 下線部に続く文章全体の導入としてふさわしい英文を書きなさい。ただしその文はコロン (:)、セミコロン (;) を含まず、ピリオド (.) で終わる1つの文とすること。(*印の語(句)は注を参考にすること)

_____ This was the original product of many fast food chains, but over the decades, the range of burgers has developed to include chicken, fish, and even vegetarian burgers. In the present age of concern about global warming and greenhouse gases, there is a lot of debate about the mass production of beef, which needs huge resources of land, food and water. A challenging question raised by this discussion is: would it be possible to take some stem cells* from a cow and “grow them” into a mass that could be made into a burger? At Maastricht University in the Netherlands, they have been working on such a research project for several years. A few years ago, the first burger created using this stem cell harvesting and growing was presented to the public. Unfortunately, at a cost of over \$250,000 for this prototype, the expression “cheap fast food” has been lost. It could take 20 years for the process to be viable* as meat production, but it could offer very big benefits to the environment if it works. Using stem cells from a cow instead of needing the full animal could use 90 percent less land and there would be a 90 percent saving on the amount of water needed. Only using the stem cells from a few cows would reduce the amount of feed needed, too, by 70 percent, compared with present mass production methods.

[注] stem cell: 幹細胞

viable: 実行可能な

2. 次のAからCの選択肢のうち、文章の内容から判断して最も適切だと思うものを1つ選び、解答欄にあるその記号をマークしなさい。

(1) According to the passage, which of the following is true?

- A. The hamburger or beef burger is the most recently developed fast food.
- B. The technology in the fast food industry is helping promote stem cell research.
- C. There is a debate about mass food production which concerns the environment.

(2) According to the passage, which of the following is true?

- A. The project to research stem cell harvesting to make burgers started in 2020.
- B. The first results of the stem cell burger were very cheap to produce.
- C. The stem cell burger would reduce the amounts of land, food and water needed for beef production.

4

以下のトピックについて、50語から70語程度の英文で答えなさい。[22点]

In these days of the new coronavirus pandemic, people around the world have had to change the ways they communicate with other people. How has the way people communicate with others changed? Are you satisfied with the new communication style?

外国語 (Reading & Writing) 解答用紙

1	(1)	A ● C
	(2)	A ● C
	(3)	A B ●
	(4)	A B ●
	(5)	● B C
	(6)	A ● C
	(7)	A B C ●
	(8)	A ● C D
	(9)	● B C D

30点

2	1	A B ● D E F
	2	A ● C D E F
	3	A B C ● E F
	4	● B C D E F
	5	A B C D E ●

25点

3	1	The most common burger is one made of beef.

3	2	(1) A B ●
		(2) A B ●

23点

4	The new coronavirus pandemic has made communication with friends, family and others more difficult. To keep ourselves and others safe, we now talk from safe distances, limit physical contact, and communicate more online and by telephone rather than face to face.
	I am not satisfied with this new communication style.
	I want to be able to enjoy talking with friends face to face, and hope to do so again soon.

22点