

令和8年2月10日

令和8年度
京華女子高等学校

入学試験
第1回

英語

注意事項

1. 合図があるまで、この冊子を開いてはいけません。
2. 解答用紙は本冊子にはさんであります。
3. 解答はすべて指示に従って、解答欄に記入してください。
4. 問題を声に出して読んではいけません。
5. 解答用紙のみ試験終了後に回収します。

【問題は次のページから始まります】

1 次の文を読んで、あとに続く問いに答えなさい。

Many people learned about Katherine Johnson from the 2016 movie *Hidden Figures*. The movie tells the story of three (注1)African-American women who worked at NASA, the U.S. space (注2)agency. These women used math ①to help send rockets into space. One of them was Katherine Johnson. She was very good (A) math and helped NASA with many important space missions. Thanks to the movie, many people now know her name and her great work.

Katherine Johnson was born in 1918 in West Virginia. She loved numbers from a young age. She counted everything she saw — steps, dishes, stars. She was very ②curious and always asked questions. She entered high school when she was only ten years old, which is very early. Then she went to college and studied math and French. At that time, it was very rare for African-American women to go to college, especially to study science or math. But Katherine wanted to learn more and worked very hard.

After college, Katherine became a school teacher. She liked teaching, but she also wanted to do more (B) math. In 1953, she got a job at NACA, which later became NASA. At first, she worked in a group of women called the “computers.” They did math by hand, because machines were not common yet. These women helped engineers with difficult problems. Katherine was very fast and accurate. Her answers were always correct. She often asked good questions, and her bosses noticed her ③talent.

Soon, Katherine was moved to other teams. She worked with male engineers and helped them plan space flights. This was very unusual at the time. Most meetings were only for men, but Katherine was invited because (C) her skill. She was not afraid to speak up and share her ideas.

One of her most famous jobs was in 1962. NASA wanted to send an astronaut, John Glenn, into space. He would fly around the Earth. Before he went, he asked someone to check the numbers from the computer. He said, “Get the girl to check them.” That girl was Katherine. She checked the math, and everything was right. The mission was a big success.

Katherine also worked on Apollo 11, the first mission to land people on the Moon. She helped find the best (注3)path for the rocket. ④Her [ア and successful イ math ウ the エ safe オ mission カ made]. She stayed at NASA for 33 years and helped with many other projects, including (注4)satellites and the space shuttle.

Even though she did many great things, most people did not know her name for

many years. She was quiet and did not talk much about her work. But in 2015, President Obama gave her the Presidential Medal of Freedom, and that is one of the highest (注5) honors in the United States. Later, she became famous after the movie *Hidden Figures* was released. She died in 2020 at the age of 101, but her story still inspires people.

The life of Katherine teaches us that we should never stop learning and working (D) our goals, even when the path is not easy. Her courage, skill, and spirit opened doors for many people. ⑤ She showed that anyone — even if they have different gender or race — can make history through hard work and hope.

(注1) African American アフリカ系アメリカ人 (注2) agency 機関、組織
 (注3) path 道筋 (注4) satellite 衛星 (注5) honor 名誉

問1 下線部①の不定詞の用法と同じ用法を含む文を次のア～ウから1つ選び、記号で答えなさい。

ア It began to rain about noon.

イ There are many things to learn from her story.

ウ She studied very hard to become a great mathematician.

問2 本文の下線部②と③の意味として最も近いものを次のア～エからそれぞれ1つずつ選び、記号で答えなさい。

② curious ア interested イ kind ウ quiet エ serious

③ talent ア weakness イ actor ウ skill エ celebrity

問3 本文の内容に合うように、次の英文の空所（ア）・（イ）に入る適切な語をそれぞれ1語ずつ答えなさい。

NASA wanted Katherine to（ア）the numbers again to make sure they were（イ）.

問4 下線部④が意味の通る英文になるように【 】内の語句を並べかえ、記号で答えなさい。

問5 下線部⑤の内容として最も近いものを次のア～エから1つ選び、記号で答えなさい。

ア 彼女は才能よりも、生まれや立場が人の成功を決めることを示した。

イ 彼女は人種や性別にかかわらず、努力と希望によって歴史を変えられることを示した。

ウ 彼女は生まれや立場に関係なく、努力が報われる社会の重要性を示した。

エ 彼女は歴史を学ぶことではなく、過去を変えることの大切さを示した。

問6 （A）～（D）に入る語を次のア～エからそれぞれ選び、記号で答えなさい。

ア of イ toward ウ with エ at

問7 本文の内容と合致するものを次のア～キから2つ選び、記号で答えなさい。

ア Katherine showed great interest in numbers from childhood and even counted ordinary things around her, such as steps and dishes.

イ Katherine entered college when she was only ten years old, which was very early for her time.

- ウ When Katherine first joined NACA, she worked as a human computer and solved problems by using early machines.
- エ At first, women were rarely allowed to attend meetings, but Katherine joined them mainly because she was one of the leaders of her team.
- オ John Glenn asked Katherine to check the numbers calculated by the computer before his flight.
- カ Katherine became well known right after she retired from NASA because her achievements were introduced in a movie.
- キ After Katherine received an award from NASA, she became famous in the United States.

問8 本文のタイトルとして最もふさわしいものを次のア～エから1つ選び、記号で答えなさい。

- ア The History of NASA's Computers
- イ Katherine Johnson: Her Life and Work
- ウ The First Astronaut in Space
- エ A Movie About African-American Women

2 次の会話文の (1) ~ (5) に入れるのに最も適当なものを、後に続くア~オからそれぞれ1つずつ選び、記号で答えなさい。

Hana: I can't believe you went to Expo 2025 five times.

Riku: Yeah, I really liked it.

Hana: (1) I didn't think anyone would go many times.

Riku: I found something new every time. (2)

Hana: Really? I went there only once.

Riku: (3) Every visit was a little new to me.

Hana: Oh, I see. No wonder you went again and again.

Riku: Yeah. (4) But there were too many things to look at.

Hana: I agree. I wanted to take more pictures. (5)

Riku: Sure. I'll send them later.

ア I was surprised that you went so many times.

イ Some places were different on some days.

ウ So I wanted to go again and again.

エ Can you show me your pictures?

オ I wanted to see more.

3 次のそれぞれの2文がほぼ同じ内容を表すように、()に入る適切な語を1語ずつ答えなさい。

1. I lost my key. I still don't have it.
I () () my key.
2. I want to help you. But I can't.
I () I () help you.
3. It isn't necessary to finish this report today.
You () have () finish this report today.
4. My birthday is February 11.
I () () on February 11.
5. Look at the picture. My sister took it.
Look at the picture () () my sister.

4 次の日本語に合うように()内の語句を並べかえ、()の中で2番目と4番目にくるものを記号で答えなさい。ただし、文頭に来る語も小文字になっています。

1. 私にとって新しい科学技術を開発することはおもしろかったです。
It (ア me イ interesting ウ for エ was オ to) develop new technology.
2. 私は箱の中に何があるのか知りません。
I (ア what イ is ウ know エ in オ don't) the box.
3. 彼はバスに追いつきました。
(ア up イ he ウ caught エ the bus オ with).
4. カレンはよく私に、自分は人見知りだと言います。
Karen often (ア me イ she ウ that エ is オ tells) shy.
5. これは私が授業で使う辞書です。
This is the dictionary (ア in イ which ウ class エ I オ use).

5 次の各文が意味の通る英文になるように、() 内に与えられた文字を含む適切な英単語 1 語を書きなさい。

1. (**B**_____) in yourself. You can do it!
2. Marie Curie was a great (**s**_____) who discovered radium.
3. To stay (**h**_____), you should eat well and sleep enough.
4. Last summer, I got a passport and I went (**a**_____) with my family.
5. Japan has many types of (**n**_____) disasters: earthquakes, tsunamis, typhoons, and heavy rain.

6 次の日本語を英語にしなさい。

1. 私たちは今朝はいつもより早く起きました。
2. 彼女は時々朝食を食べずに学校へ行きます。