

英 語

受験番号

得 点

[1] 次の(1)-(10)の各組の語で、下線部の発音が 2 語とも同じものを 5 つ選び、番号で答えなさい。(10 点)

- | | | |
|------------------------------------|-----------------------------------|-------------------------------|
| (1) <u>pearl</u> - <u>worth</u> | (2) <u>big</u> - <u>private</u> | (3) <u>meet</u> - <u>meat</u> |
| (4) <u>tough</u> - <u>thought</u> | (5) <u>height</u> - <u>hate</u> | (6) <u>apple</u> - <u>act</u> |
| (7) <u>most</u> - <u>over</u> | (8) <u>father</u> - <u>mother</u> | (9) <u>warm</u> - <u>arm</u> |
| (10) <u>chicken</u> - <u>touch</u> | | |

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[2] 次の括弧の中の語を文意に合うように適切な形に変えなさい。(10 点)

- (1) Mary (live) in Japan since 2005.
 (2) I was made (wait) by her.
 (3) Jane cannot have (be) there yesterday.
 (4) I am looking forward to (see) you at the airport.
 (5) It is time you (buy) a new car.

(1)	(2)	(3)	(4)	(5)
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[3] 次の括弧の中を意味が通る文に並べ替え全文を書きなさい。最初にくる語も小文字で始めてあります。(15 点)

- (1) そういうわけで僕は彼が好きではない。
 [I / him / is / like / don't / that / why].

- (2) 僕は都会で運転するのに慣れていない。
 [not / to / driving / I'm / used] in the city.

- (3) 同じ間違いをするなんて、彼女は不注意だった。
 [careless / of / her / it / make / was / to] the same mistake.

- (4) 彼はまるで京都のことは何でも知っているかのように話す。
 [about / knew / Kyoto / he / if / talks / as / he / everything].

- (5) 家に帰る途中、彼女は見知らぬ人に話しかけられた。
 On her way home, [spoken / she / by / was / a / to / stranger].

On her way home,

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[4] 日本語の意味になるように、空欄に入れるのに最も適切なものを一つ選び、記号で答えなさい。(10 点)

(1) 私にその塩を手渡していただけませんか。

Could you please () the salt to me?

ア) show イ) pass ウ) lend エ) make

(2) 彼らはひどい病気のふりをした。

They () to be seriously ill.

ア) intended イ) pretended ウ) promised エ) became

(3) 彼は話をすべてでっちあげた。

He () the whole story.

ア) made up イ) made fun of ウ) imitated エ) looked up

(4) 私は今の仕事に満足している。

I am () with my present job.

ア) satisfied イ) satisfying ウ) interested エ) interesting

(5) 彼はできるだけ速く逃走した。

He ran away as fast as ().

ア) available イ) able ウ) possible エ) capable

(1)	(2)	(3)	(4)	(5)
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[5] 空欄に入れるのに最も適切な語を下の選択肢から一つ選びなさい。ただし、選択肢は何度用いても良い。(10 点)

(1) He feels superior () everyone else.

(2) He is regarded () an excellent artist in the world.

(3) I got the ticket () free.

(4) He enjoyed being () his friends yesterday.

(5) She put () a cardigan over her dress.

[with / to / as / for / between / on]

(1)	(2)	(3)	(4)	(5)
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[6] 次の会話文を読んで空欄に入る最も適当な文を下から選び、記号で答えなさい。(15 点)

Kate: (1) I've been looking for you.

Tom: Hi, Kate. (2)

Kate: Well, someone told me that you're moving to Los Angeles next month. (3)

Tom: (4) My father's found a new job there.

Kate: Oh. (5)

Tom: Thanks, Kate, I'll e-mail you a lot.

ア. I'm afraid so.

イ. There you are!

ウ. I'll miss you.

エ. What's up?

オ. Is that right?

カ. See you then.

(1)	(2)	(3)	(4)	(5)
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[7] 次の文を読んで設問に答えなさい。(30点)

Astronomers have discovered what they say is the planet most like Earth yet detected—a distant, rocky world that is similar in size to ours and exists in the “Goldilocks zone,” where it is not too hot and not too cold for life.

The find, announced April 17, excited planet hunters who have been scouring the Milky Way for years for potentially habitable spots outside our solar system.

The planet was detected by NASA’s orbiting Kepler telescope, which examines the heavens for subtle changes in brightness that indicate an orbiting planet is (①cross) in front of a star. From those changes, scientists can calculate a planet’s size and make certain inferences about its makeup.

The newfound object, dubbed Kepler-186f, circles a red dwarf star 500 light-years from Earth in the constellation Cygnus. ②The (about / Earth / is / larger / planet / 10 percent / than) and may very well have liquid water—a key ingredient for life—on its surface, scientists said. That is because it resides at the outer edge of the habitable temperature zone around its star—the sweet spot (③) lakes, rivers or oceans may exist without freezing solid or boiling away.

The planet probably basks in an orange-red glow from its star and is most likely cooler than Earth, with an average temperature slightly above freezing, “similar to dawn or dusk on a spring day,” Marcy said.

Lead researcher Elisa Quintana at NASA’s Ames Research Center said she considers the planet to be more of an “Earth cousin” than a twin because it circles a star that is smaller and dimmer than our sun. While Earth ④revolves around the sun in 365 days, this planet completes an orbit of its star every 130 days.

Scientists cannot say for certain whether it has an atmosphere, but if it does, it probably contains a lot of carbon dioxide, outside experts said. Since its launch in 2009, Kepler has confirmed 961 planets, but only a few dozen are in the habitable zone. Most are giant gas balls like Jupiter and Saturn, and not ideal places for life. Scientists in recent years have also found planets slightly larger than Earth in the Goldilocks zone called ⑤“super-Earths,” but it is unclear if they are rocky.

The latest discovery is the closest in size to Earth than any other known world in the habitable region. Kepler-186f is part of a system of five planets, all of which are roughly Earth’s size. However, ⑥the other planets are too close to their star to support life.

Astronomers may never know for certain whether Kepler-186f can sustain life. The planet is too far away even for next generation space telescopes like NASA’s James Webb, set for launch in 2018, to study in detail. Kepler completed its prime mission and was in overtime when one of the wheels that keep its gaze steady failed last year. NASA has not yet decided whether to keep using the telescope to hunt for planets on a scaled-back basis.

(“Astronomers spot planet most like Earth” in *The Japan Times ST*: May 9, 2014)
 astronomer 天文学者 / scour 探し回る / habitable 住むことが可能な / inference 推測 / dub ～と名付ける / a red dwarf star 赤色わい星 / constellation Cygnus 白鳥座 / bask in ～を浴びる / Marcy 天文学者の名前 / sustain ～を維持する

(1) 括弧①について、与えられた動詞を適当な形に変えなさい。(3点)

① ()

(2) 下線部②について、「その惑星は地球よりも約10%大きい」という意味になるように括弧内を並べ替えなさい。(4点)

② The ()

(3) 括弧③について、下の中から適当な関係詞を1つ選び、○で囲みなさい。(3点)

ア) which イ) what ウ) where エ) when

(4) 下線部④について、ほぼ同じ意味を表す語を本文から探し、1語で答えなさい。(4点)

④ ()

(5) 下線部⑤について、下の中から最も適当な説明を1つ選び、○で囲みなさい。(4点)

ア) 生命が生息可能な区域がなく、木星や土星のようにガスでできている。

イ) 生命が生息可能な区域にあるが、岩石でできているかは分からない。

ウ) 生命が生息可能な区域にあり、なお且つ岩石でできている。

(6) 下線部⑥について、ほぼ同じ意味の内容を表すよう、下の英文の空欄に1語ずつ入れ、文を完成させなさい。(4点)

⑥ the other planets are _____ close to their star _____ they cannot support life.

(7) 英文の内容に合うものを下から2つ選び、○で囲みなさい。(8点)

ア) Kepler-186fの発見は、太陽系の外に生命が生息できる惑星を長年に渡り探してきた人々たちを興奮させた。

イ) Kepler-186fは水を保有している可能性があるが、それは凍ったり、水蒸気になったりしていると思われる。

ウ) 研究者によると、Kepler-186fは地球の従兄弟(従姉妹)というよりむしろ双子である。

エ) Kepler 天文台は今までに961個もの惑星を確認しているが、そのうち生命生息可能域にあるのはほんの数個である。

オ) Kepler-186fの位置は遠すぎて、次世代の宇宙望遠鏡でも詳しく調べることができない。