2024年度一般選抜A日程(1日目)英語

「1] 次の文章を読み、問に答えなさい。

Baseball is a warm-weather sport. Now scientists have identified one way high temperatures can reward batters: It can $\begin{tabular}{c} \begin{tabular}{c} \begin{t$

From steroid use to the (イ) <u>height</u> of the stitches on a ball, many factors have had some role in how often players have been able to over the last 40 years. But in recent years, blog posts and news stories have speculated about whether climate change might be upping the number of home runs, says Callahan. He notes that nobody had (エ) <u>investigated</u> it by looking at the numbers.

The idea that global warming might affect home runs comes from fundamental physics: The ideal gas $(\not z)$ law says that as temperatures rise, the air's density will fall. And that will cut air's resistance — friction — on the ball. To look for $(\not z)$ evidence of such a climate link to home runs, Callahan's team took several approaches.

- [‡] First, they looked for an effect at the game level. Across more than 100,000 major league games, the researchers found that for every rise of 1 degree Celsius in a day's high temperature, the number of home runs in a game rose by nearly 2 percent. Take, for example, a game on June 10, 2019, when the Arizona Diamondbacks played the Philadelphia Phillies. This game set the record for most home runs. The game would be expected to have had perhaps 14 home runs not 13 if it had been 4 degrees Celsius warmer that day.
- [7] The researchers ran game-day temperatures through a computer model for climate. It accounted for greenhouse gas emissions. And it found that warming linked to human activities led to an average of 58 more home runs each season from 2010 to 2019. In fact, it showed an overall trend of more home runs on warmer days going as far back as

the 1960s. The team followed up on that analysis with a look at more than 220,000 individual batted balls. High-speed cameras have tracked the trajectory and speed of every ball hit during a major league game since 2015.

The researchers compared balls hit in almost exactly the same way but on days with different temperatures. They also accounted for other factors, such as wind speed and humidity. This analysis showed a similar increase in home runs per each degree Celsius rise. Only lower air density (due to higher temperatures) appeared f with an excess in home runs. According to Callahan, climate change has not been the dominant effect causing f home runs. However, if we continue to emit greenhouse gases strongly, we could see f increases in home runs moving forward.

Some fans feel that a growing number of home runs has made baseball less fun to watch. There are ways teams can adapt to rising temperatures. Many could shift day games to night games, when temperatures tend to be . Or they could add domes to stadiums. Why? Callahan's group found . effect of outdoor temperature on home runs in games played under a dome.

Callahan says, "This sport, and all sports, are going to see major changes in ways that we cannot _______."

[Science News Explores, May 5, 2023 より一部改変]

- [注] steroid: ステロイド (筋肉増強剤の一種) speculate: 推測する account for ~: ~を考慮に入れる trajectory: 軌道
- 問1.空欄アに入る最も適切なものを、次の①~④から1つ選び、番号をマーク しなさい。
 - ① help convert a strong hit into a home run
 - ② increase the popularity of major league baseball
 - 3 lower the speed of a ball thrown by a pitcher
 - ④ reduce the number of home runs drastically

— 2 —

- 問2. 下線部(イ)の語の意味として最も近いものを、次の①~④から1つ選び、番号をマークしなさい。
 - ① a movement of something flying in the air
 - ② a strong feeling of dislike for something
 - 3 something used for treating illness
 - 4 the measurement of how tall something is
- 問3.空欄 ウ に入る最も適切なものを、次の①~④から1つ選び、番号をマーク しなさい。
 - ① estimate the number of home runs in a game
 - 2 hit a ball out of the stadium
 - 3 ignore the cause of the increasing number of home runs
 - (4) recognize the influence of weather on home runs
- 問4. 下線部(エ)の語の意味として最も近いものを、次の①~④から1つ選び、番号をマークしなさい。
 - (1) looked after
 - 2 looked down on
 - 3 looked into
 - 4 looked up to
- 問5. 下線部(オ)の語の意味として最も近いものを、次の①~④から1つ選び、番号をマークしなさい。
 - ① bottom
 - 2 movement
 - 3 opinion
 - 4 principle
- 問6.下線部(カ)の語の意味として最も近いものを、次の①~④から1つ選び、番号をマークしなさい。
 - (1) answer
 - 2 belief
 - 3 effect
 - 4 proof

- 問7. 段落【キ】で述べられている内容として最も適切なものを、次の①~④から 1つ選び、番号をマークしなさい。
 - ① 2019年6月10日の試合では、平年より気温が4度高かったので、史上 最多のホームラン記録が出た。
 - ② 2019年6月10日以降,ホームランが出る確率は2%ずつ上昇している。
 - ③ 2019年6月10日の試合での気温が4度高ければ、ホームラン数がもう 1本増えていたと推測できる。
 - ② 2019年6月10日の試合でのホームラン数の記録は誤りであった。
- 問8. 段落【ク】で述べられている内容として最も適切なものを、次の①~④から 1つ選び、番号をマークしなさい。
 - ① 2010年からの9年間で,1960年代と比較して,温暖化の影響によりホームラン数が各球団で58本増加した。
 - ② 暖かい目にホームランが増える傾向は1960年代には見られなかった。
 - ③ 研究者たちは、22万人の個人データと打球との関係を照合して調査した。
 - ④ 2015年以降、高速度カメラを使ってボールの軌道とスピードを調べた。
- 問9.空欄ケーセに入れるのに最も適切な語句を、それぞれ①~④から 1つ選び、番号をマークしなさい。
- ケ ① changed ② found ③ linked ④ played
- \Box ① all ② less ③ more ④ no
- # ① former ② much less rapid
 ③ much more rapid ④ no
 - ① average ② cooler ③ stable ④ warmer
- ス ① a big ② a side ③ no ④ the same
- † ① eat ② emit ③ enter ④ expect

[2] 次の各文中の空欄を満たすの選び、番号をマークしなさい	つに最も適切なものを,①~④から1つ \。	(ク) I had a headache this morning and was absent () school today.					
(\mathcal{T}) Last night I got a call from m () that he was comin	•	① for ③ on	② from④ to				
① because hear③ so hearing	② heard④ to hear	(ケ) Mary is very intelligent. school.	She is known () everyone in this			
(\checkmark) I remember () with T children.	om in the park when we were	① at ③ to	② on ④ with				
① of play ③ playing	② played④ to have played	(コ) He often draws a picture of a cute little animal character (large ears.					
(ウ) This is () by the earth ① destroyed the bridge ③ the bridge destroying	nquake last year. ② the bridge destroyed ④ the bridge was destroyed	① by ③ in	② for ④ with				
(工) "Where did you see my broth Hall." ① enter ③ will enter	er?" — "I saw him () the City ② was entering ④ will be entering	 [3] AとBの対話が自然な流れになるように、Bの応答として最も適なものを、①~④から1つ選び、番号をマークしなさい。 (ア) A: Where can I purchase bus tickets? B: () A: I'll do that. Thanks a lot. ① I'm not in the mood for that. ② Oh, the fitting rooms are over there. ③ Why do you need them? 					
① which this book wrote ② whose book wrote	e ② who wrote this book ④ wrote this book						
① It ③ Them	the instructions is the problem. ② That ④ Those ckage before you send it.	④ You can buy ther (イ) A: I bought something B: () A: I don't think so.	n inside. I didn't need on a shopp	ing site yesterday.			
① heavily ③ weigh	② heavy ④ weight	 Can't you cancel Could you show n What's your favo You're quite welc 	me how this works? rite online store?				

(ウ)	A: How many students are going to attend the summer school program?	させなさい。答えは[ア]~[シ]に来るものの番号をマークすること
	B: () A: Then these handouts should be enough.	(1)トムは、彼が卒業して以来ずっとこの会社で働いています。Tom [][ア][][イ][][ウ][]graduation.
	 If you agree to the following conditions, please sign here. I'm afraid the destination is far, about five hours by car. They'll conduct their research four days a week in the lab. Well, I don't have an exact number. Probably about fifty. 	① been ② this company ③ for ④ has ⑤ his ⑥ since ⑦ working
		(2) どうやら彼は私を他の人と間違えたらしい。
工)	A: Shouldn't we make an appointment before visiting Ms. Green?	It[][エ][][オ][][カ][]another.
	B: () A: OK, I'll give her a call now.	① for ② had ③ he ④ me ⑤ seemed ⑥ taken ⑦ that
② No ③ Su	 I love how the leaves change colors. No, we don't have her phone number. Sure, let's do that. That's a cool shirt. 	(3) その光はあまりに強く、私たちは目を開けられなかった。 The light [] [キ] [ク] [] [ケ] [].
(才)	A: Let's go out for dinner somewhere. B: () A: That's too bad. I guess we have to cook for ourselves.	① couldn't ② open ③ our eyes ④ so strong ⑤ that ⑥ was ⑦ we
② ③	 Could you pass the salt and pepper, please? Most places are closed on Mondays in this area. Pay attention to the cooking times and temperatures. What kind of dressing do you have? 	 (4) 鉄片を引きつける物質は磁石と呼ばれる。 Substances [][コ][サ][][シ][] magnets ① are ② attract ③ called ④ iron
		(5) of (6) pieces (7) which

[4] 与えられた語句を用いて、日本語で示された意味を表す英文を完成

2024年度一般選拔A日程(2日目)英語

[1] 次の文章を読み、問に答えなさい。

著作権上の都合により掲載できません。

著作権上の都合により掲載できません。

	ト文中の空欄を満たすのに 番号をマークしなさい。	最も適切なものを、①~④から1つ		① for ③ on	② in ④ with
1	some people () ir fighting fought for	a the next room.② fighting for④ to fight	(ケ)]	Do you think we can make use (① at ③ in) the sun's heat to cook? ② for ④ of
	ok is easy (). I consider to me for read	an read it in a day. ② for me to read ④ to reading for me	(3)	Our son was very pleased (① at ③ to) his birthday present from us.② on④ with
	post posting	I still have it in my bag. ② posted ④ to post	[3]	AとBの対話が自然な流れになるなものを、①~④から1つ選び、	るように, Bの応答として最も適切 番号をマークしなさい。
in Japa		2 imported 4 to be importing	(ア)	A: How long will it take to get to station? B: () A: Oh, thanks anyway. I hope	to the new campus from the train eit's not too far.
	ne designed engineer	hine. ② the engineer designed ④ who the engineer designed		 I'm excited about our next I'm sorry, but I'm a strang I think we have about ten On count of three, everybe 	ger here, too. exchange students here.
_	estion is () your fa because whether	amily will support you. ② what ④ whose	(1)	A: I bought a used book and for B: () A: I guess you're right.	and a lot of notes in it.
the course (1)		well until the virus spread across ② completed ④ completing "No, it's bound () Tokyo."	(ウ)	① How many notebooks did ② The library will be closed ③ They are sometimes usefu ④ This operating system nee A: I am happy that we made a B: () A: I think we should treat ourse	on that day. al. eds to be updated. lot of progress today.
(, , Doos u	and sad go to magano.	1.0, 10 0 0 0 min (/ 10 m y 0.		11 1 milli 110 bilouid biodo balb	cr. co to a mico ammor.

[2024-英語-A2]	
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(工)

(才)

 I'm not sure, maybe later. Is everything all right with you these days? That's a great idea. Where should we go? 	[4] 与えられた語句を用いて、日本語で示された意味を表す英文を完成させなさい。答えは[ア]~[シ]に来るものの番号をマークすること					
④ That's because we worked so hard all day.	(1) これが私がずっと探していた本です。This [] [ア] [
A: Let's see if we can change the travel plan. B: (A: Well, I still think we should visit the famous temple.	① been ② for ③ have ④ I ⑤ is ⑥ looking ⑦ the book					
 Always count your change especially when you're abroad. I need to make a change in my hairstyle; it's getting boring. We have changed it three times already. 	(2) その仕事は思っていたより簡単なことがわかった。I[][エ][オ][カ][].					
④ We must address climate change for future generations.	① easier ② expected ③ found ④ had ⑤ I ⑥ than ⑦ the job					
A: I'd like to register for the photography workshop. B: ()						
A: I'm afraid I left it at home. Can I just give you my number? ① Actually, I was too shy to enter the conversation.	(3)それはとても重い箱だったので,私は動かすことができませんでした It was [] [キ] [ク] [] [ケ] [].					
 ② I can't resist a good sale; always getting more than I need. ③ I couldn't help but laugh at the funny cat photos. ④ Yes, of course. May I see your student ID card, please? 	① box ② couldn't move ③ heavy ④ I ⑤ it ⑥ such a ⑦ that					
	(4) 塩を多く含む食物は健康に悪い。Foods [][コ][サ][シ][シ][].					
	① are ② bad ③ contain ④ for ⑤ much salt ⑥ which ⑦ your health					

2024年度一般選抜 B 日程 英語

[1] 次の文章を読み、問に答えなさい。

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[2024-英語-B]

[2] 次の英文は、あるロボットコンテストの規定の一部です。 これについて、間に答えなさい。

Rule 1

The maximum dimensions of the robot before it starts the "mission" must be within $250 \text{mm} \times 250 \text{mm} \times 250 \text{mm}$. After the robot starts, the dimensions of the robot are not restricted.

Rule 2

The number of motors and sensors to be used is not restricted. However, it is only allowed to use official LEGO® materials to connect motors and sensors.

Rule 3

The controller must be placed in the robot in a way that makes it easy to check the program and stop the robot by a Judge.

Rule 4

A robot must be autonomous and finish the "missions" by itself. Any radio communication, remote control and wired control systems are not allowed while the robot is running. Teams that do not follow this rule must quit the competition immediately.

Rule 5

The robot can leave on the field any parts of the robot that are not containing main units (controller, motors, sensors) if needed.

Rule 6

Use of SD cards to store programs is allowed. SD cards must be inserted before the robot is inspected and may not be removed during the competition once inspection is completed.

[World Robot Olympiad 2021 より改変]

[注] interfere: 妨害する inspect: ~を検査する

- 問. 次のア〜コについて、コンテストの規定に適合しているものを5つ選び、 記号で答えなさい。
 - ア 最初は一辺 240mm の立方体に収まっているが、ゲーム開始の合図と ともにロボットが展開し、横に 1.5 倍のサイズに広がる。
 - イ 始動前のロボット本体のサイズで、250mmの立方体からはみ出ているのは、LEGO®の部品だけである。
 - ウ センサー10個、モーター8個のロボットを作製した。
 - エ 審判がロボットを停止して確認できるよう,制御装置をロボットの 目立つ場所に設置した。
 - オ 対戦中に、相手チームのロボットに関する情報を、自分のチームのロボットに送信して戦いをより有利に進める。
 - カ 参加者がプログラミング能力に自信がないため、ラジオコントローラー ーを使用したロボット操縦に切り替えて競技する。
 - キ ロボットが競技中にわざとメインユニット以外の部品を落下させて 軽量化し、後半の電力消費を抑える。
 - ク ロボットが途中で2つに分離して、それぞれメインユニットを持つ 2体のロボットとして動作する。
 - ケ 試合前のロボットの検査を通過してから、操作プログラムが入った SD カードを挿入してロボットを起動する。
 - コ LEGO®製ではないモーター、センサー、SDカードを使用した。

[3] 次の各文中の空欄を満たすのに 答えなさい。	最も適切なものを1つ選び,番号で	(8) This	s area is about 30 meters (
			1. above	2. among		
(1) Did you feel the floor ()?			3. of	4. on		
1. for shaking	2. shake					
3. shook	4. to shake	(9) I tur	rned off the computer () mistake and lost all my work.		
(2) Professor Jones' lecture is difficult	· ().		1. along	2. at		
			3. by	4. except		
1. to understand	2. understand					
3. understanding	4. understood	(10) We	finally arrived () Brazil yesterday.		
			1. between	2. down		
(3) Would you please stop () s	so much noise? I'm reading.		3. for	4. in		
1. make	2. making					
3. to make	4. to making					
(4) Look at the mountain () w	rith snow. It's so beautiful!			になるように, Bの応答として最も適切 れ1つ選び, 番号で答えなさい。		
1. covered	2. covering	(1)	A: John is such a nice now	son. Would you like to meet him?		
3. to cover	4. will cover		R: ()	son. Would you like to meet him:		
			A: How did you become friends with him?			
(5) That's () a policeman abou	at the robbons	•	ir irow ara you become ir	Will IIIII.		
•	·		1. Actually, I misse	ed the latest episode of that TV show.		
1. the boy told	2. the boy who told			nally meet your new dog.		
3. the boy whom told	4. who told the boy			ready know him quite well. rribly busy these days.		
(6) The trouble is () the store	isn't open on Sunday.					
1. it	2. one	(2)	A: I'm going to a live conce	ert this evening.		
3. that	4. this		B: ()			
			A: I hope so. I can't wait	for the experience.		
(7) Can you believe that his speech () for two hours?			at. Where will it be held? ve performances for a long time.		
1. last	2. lasted			'm sure you'll have a good time.		
3. lasting	4. lastly		4. Yeah, I went to			

		[5] 与えられた語句を用いて,日本語で示された意味を表す英文を完成
(3)	A: Look at that guide dog. It looks so clever, doesn't it? B: ()	させなさい。答えは[ア][イ][ウ]に来るものの番号を記入すること。
	A: That's a good point. Maybe we can look it up later.	
		(1) 先生は私たちに、説明をもっと注意深く聞くようにと言った。
	 I can't believe the amount of homework we have. I wonder how much it would cost to train them. 	The teacher [
	3. The tour guide led us through the city.	1. explanation 2. listen to 3. more 4. to
	4. You're really smart to have saved up so much money.	5. told 6. the 7. us
(4)	A: Why did you decide to travel across Japan?	
	B: ()	(2) 私はこの大学に入学して以来、ずっと物理の勉強をしています。
	A: Oh, I'm sure this country has a lot to offer.	I[][ア][][イ][][ウ][]this university.
	1. Do you know the best spot to study on this campus?	1. been 2. entered 3. have 4. I
	2. I hope the teacher doesn't assign us too much reading.3. I thought it would be a great learning experience.	5. physics 6. since 7. studying
	4. I totally get what you mean.	(3) 私はパーティで身に着ける真珠のネックレスを買った。
		I[][ア][][イ][][ウ][]the party.
(5)	A: Could you read my report when you have time? B: ()	1. a 2. at 3. bought 4. necklace
	A: Thanks so much. Here's the report.	5. pearl 6. to 7. wear
	1. I heard there was a surprise guest speaker yesterday.	(4) 徹夜での勉強は、遅刻の絶好の言い訳になる。
	2. I'm sorry, but can you ask someone else this time?3. I'm thinking of joining a club. Any recommendations?4. Sure, I'll do it tonight. Do you have it with you now?	(4) 徹後 Cの過速は、遅初の絶対の言い訳による。 Studying overnight [] [ア] [
	4. Sure, 1 ii do it toingiit. Do you have it with you now:	1. a 2. being 3. excuse 4. for
		5. good 6. is 7. late

2024年度一般選抜 A日程1日目解答 英 語

[1]		正解	配点	[3]		正解	配点
	ア:	1	5		ア:	4	2
	イ:	4	5		イ:	1	2
	ウ:	2	3		ウ:	4	2
	工:	3	3		エ:	3	2
	才:	4	3		才:	2	2
	力:	4	5				
	丰:	3	5				
	ク:	4	3	[4]		正解	配点
	ケ:	3	3	(1)		複数	欄全一致で5点
	コ:	3	3		ア:	1	
	サ:	3	3		イ:	3	
	シ:	2	3		ウ:	6	
	ス:	3	3	(2)		複数	欄全一致で 5 点
	セ:	4	3		エ:	7	
					才:	2	
[2]		正解	配点		力:	4	
	ア:	4	2	(3)		複数	欄全一致で 5 点
	イ:	3	2		丰:	4	
	ウ:	2	2		ク:	7	
	エ:	1	2		ケ:	2	
	才:	2	2	(4)		複数	欄全一致で 5 点
	力:	2	2		コ:	2	
	丰:	3	2		サ:	5	
	ク:	2	2		シ:	1	
	ケ:	3	2				
	コ:	4	2				

2024年度一般選抜 A日程2日目解答 英 語

[1]		正解	配点	[3]		正解	配点
	ア:	3	5		ア:	2	2
	イ:	4	3		イ:	3	2
	ウ:	3	5		ウ:	4	2
	工:	1	3		エ:	3	2
	才:	1	3		才:	4	2
	カ:	1	3				
	丰:	4	5				
	ク:	2	5	[4]		正解	配点
	ケ:	2	3	(1)		複数欄盒	全一致で5点
	コ:	1	3		ア:	7	
	サ:	3	3		イ:	3	
	シ:	3	3		ウ:	6	
	ス:	4	3	(2)		複数欄金	全一致で5点
	セ:	4	3		エ:	7	
					才:	6	
[2]		正解	配点		カ:	4	
	ア:	1	2	(3)		複数欄金	全一致で5点
	イ:	2	2		丰:	3	
	ウ:	4	2		ク:	7	
	エ:	2	2		ケ:	2	
	才:	3	2	(4)		複数欄金	全一致で5点
	カ:	3	2		コ:	3	
	丰:	3	2		サ:	1	
	ク:	1	2		シ:	4	
	ケ:	4	2				
	コ:	4	2				

2024年度一般選抜B日程解答例 英 語

4)	点						•					
	月1	ŗ	ל									
4)	点											
目	引2	フ	7									
6 ,	点 俳	非優/役	:者に/カ	ぶ与えられ	ıた (2)	数字が	5 (1) 大	(きい ()	L) ほど	(1) 彼	皮らはケビンから離れる/遠い	(2)
III	引3	俳優	に与え	.られた	:数字だ	が大きり	いほど,	彼ら	はケビ	ンかり	ら離れている。	
ر 2	i× 法	3 = 6	点									
FI.	月4	Mina	ami Ha	amabe	(3)	T	Γom Cr	uise (1)	Sc	osuke Ikematsu (2)	
4)	点									•		
	引 5	Ç										
		3 = 6		1	<u> </u>							評点[1]
F	引6	(A)	イ	(B)	エ	(C)	カ					
		5 = 2								7		評点[2]
	問	フ	7	ウ		エ	キ		コ	_		
2.4	点× ·	1 0 =	20点									評点[3]
	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	1	#INWES 3
	2	1	2	1	2	3	2	1	3	4	1	
											_	
		5 = 1			1	1						評点[4]
(1)	(2)	(3)	(4)	(5)							
	3	3	2	3	4							
5 ,	点×厶	4 = 2	0 点					-				
(1)	[ア	7]	[イ	2]	[ウ	1]					
(2)	[ア	1]	[イ	5]	[ウ	4]					評点[5]
(3)	[ア	1 7	[イ	4 7	[ウ	7]					
-	4)	[T				 [ゥ						
(+ /	L	т]	L 1	J]	Lソ	ے ا					