平成 20 年度 東海大学 一般入試 A 方式 (受験日自由選択方式) 英語 I・英語 II・リーディング・ライティング (70 分) 平成 20 年 2 月 7 日

政治経済学部・総合経営学部・法学部・教養学部・国際文化学部 芸術工学部・開発工学部・海洋学部・健康科学部

$|\mathbf{1}|$ 次の英文を読み,下の1~5の問いに答えなさい。

The Earth Simulator is a powerful supercomputer. Although researchers are still unsure of its ultimate practical value, they say that it has an outstanding capability to predict, analyze, and resolve pressing problems of the global environment, as (1) as to monitor the spread of diseases and promote the rapid introduction of new drugs.

As (2) speed, the Earth Simulator can instantly carry out ₍₁₎ more calculations than there are stars in the Milky Way. That's about 35 trillion calculations a second, making it one of the fastest supercomputers in the world. This \$350 million computer has been developed by Japanese scientists. It will lead to much greater accuracy in performing climate research because of its capacity for complex simulations that incorporate*¹ a diverse mix of factors.

From 2002 to 2004, Japan's Earth Simulator was the fastest supercomputer in the world. The Earth Simulator replaced American supercomputers, which had previously been the fastest. In late 2004, the Earth Simulator lost its title of "world's fastest" to an American supercomputer. However, the Earth Simulator is still extremely important for a number of reasons.

(3) present, the Earth Simulator is being used to measure sea temperatures, rainfall, and crustal*2 movements around the world. One of the main purpose of this monitoring is to find out the likelihood of natural disasters in the next two to three hundred years. The computer, which is located in a suburb just south of Tokyo, is supported by a 1,900-mile underground network of cable. (4) put in a straight line, the cable would reach from the East Coast to the West Coast of the U.S. This huge computer is kept cool by the thirty-five million cubic feet of air which pass through the building (2) every ten seconds.

The Director-General of the Earth Simulator Center is especially proud that the computer can simulate weather (3) at 100 times the accuracy of previous simulations. Such ultra-high precision was incorporated into the computer so that typhoons and volcanic eruptions*3 can now be predicted with great accuracy. The location and timing of an earthquake are extremely difficult to foresee, but potentially dangerous areas are being monitored closely so that an infrastructure can be developed (4) in

advance. The computer can also be programmed to predict the effort of rising sea levels in a few hundred years by creating a simulated scenario, in which carbon dioxide emissions are cut by 5% instead of 15%.

The Earth Simulator is extremely expensive, but the Japanese government hopes that the huge cost will eventually be offset*4 by the money $_{(5)}$ it will save by reducing the devastation*5 caused by natural disasters. More importantly, in Japan, ($_{5}$) earthquakes and volcanic eruptions occur frequently, this new computer could save many lives.

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		corporate ~を fset ~を埋める	E組み入れる 合わせる	*2 crustal 地意 *5 devastation		* ³ eruptio	ons 爆発
問 1			の中に入る語と いら一つ選びなる		:ものはどオ	いですか。	答えはそれ
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問 2		. , . ,	D意味・内容とし Nら一つ選びなる		ものはどれ	いですか 。	答えはそれ
	(1)		s computations essments			ns	
	(2)		ixty seconds en minutes		-		
	(3)	口. as quickly 八. faster that	tly as the former y as the former an the former co- cisely than the f	computers could	ld		
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	(5)		hange				

問3 The Earth Simulator に関する記述として誤っているものはどれですか。答えは イ~二の中から一つ選びなさい。

- 1. It takes few conditions into account in climate simulations.
- \square . It enables us to measure the amount of rain on the other side of the world.
- M. It has a capability of predicting serious environmental problems even one hundred years later.
- **=**. It can predict sea surface elevation.

問4 本文の内容に一致するものはどれですか。答えはイ~二の中から一つ選びなさい。

- ★. Between 2002 and 2004, American supercomputers were the "the world's fastest."
- □. Researchers have a strong idea of the final purpose of the Earth Simulator.
- \(\Lambda\). The Japanese government believes the expense of developing the Earth Simulator will be worth it.
- **=**. The cost of developing the Earth Simulator was less expensive than that of American supercomputers.

問 5 本文のタイトルとして最も適切なものはどれですか。答えはイ~二の中から一 つ選びなさい。

- 1. The Possible Dangers Caused by a Computer
- ☐. The Unique Application of a Computer to Astronomy
- ☐. The Valuable Invention of a Computer with Great Potential

$oxedsymbol{2}$ 次の $1\sim 10$ の英文の空所に入る最も適切な語 $(oldsymbol{ au})$ を , それぞれイ〜ニの中から 一つ選びなさい。
1. () from the airplane, the lake looks like a huge doughnut. イ. See ロ. Seeing ハ. Seen ニ. Having seen
2. I have three daughters: one is in Boston and () in Seattle. ✓. another is □. other is 八. others are □. the others are
3. If we hadn't had your help, we (
4. You don't need (). ✓. be afraid □. to be afraid ✓. being afraid □. been afraid
 5. There are few mistakes, if (), in this long essay. ✓. some □. any . there is □. there are
6. His teacher demanded that he () the homework by tomorrow afternoon. イ. finish ロ. finished 八. has finished 二. will finish
7. I'll never forget () the beautiful sea from the hill on my last trip. イ. see ロ. to see 八. seeing ニ. seen
8. We () for four years in April this year. イ. have married □. will be married 八. will have married □. will have been married
9. Soon we came to a hill at the foot () stood a historical church. ✓. which □. of which 八. that □. in that
10. He was forced () home right away.

イ. go \square . going \mathcal{N} . gone \square . to go

3 次の $1 \sim 10$ の英文を読み,下線部の意味に最も近い語を,それぞれイ〜二の中から一つ選びなさい。
 You have to <u>hand in</u> your assignment by the end of next week. ✓. write □. finish 八. receive □. submit
2. The cats will get rid of the rats. ✓. hate □. chase ✓. eliminate □. dislike
3. This species was discovered by chance only a year ago. 1. fortunately ロ. accidently ハ. surprisingly ニ. strangely
4. How did you <u>come by</u> such a precious painting? ✓. obtain □. search 八. sell □. create
5. I can't <u>figure out</u> what he said to me this morning. ✓. remember □. forget 八. understand □. believe
 6. This much money will do for the time being. ✓. temporarily □. occasionally 八. timely □. constantly
7. She had better <u>set about</u> her work immediately. 1. stop ロ. choose 八. decide ニ. begin
8. How could you <u>put up with</u> it? イ. leave 口. tolerate 八. discover 二. extinguish
9. Who do you think you <u>take after</u> ? イ. like 口. know 八. resemble 二. trust
10. The sad news of the accident is <u>all but</u> forgotten. イ. almost ロ. never 八. little 二. sometimes

4 次の $1 \sim 5$ の会話文の空所に入る最も適切な表現を , $1 \sim 3$ についてはそれぞれ $1 \sim 1$ についてはそれぞれの選択肢は一度しか使えません。
 Michael: Are you going anywhere during the vacation? Jennifer: () Michael: Wow! Sounds exciting!
イ. Yes, I wish I could. □. I'm intending to go to Canada. 八. No, I haven't decided yet.
T. No, I haven't decided yet.I have to cancel my trip to Europe.
 2. Kate: Why didn't you show up at the party last night? Paul: () Kate: That's too bad. Did you get it done? イ. I didn't know there was a party last night. □. I wasn't feeling well. 八. I was going to eat out for dinner with my parents. □. I had to work on my paper.
3. Ellen: Hi, this is Ellen. Can I talk to Walter, please? Roger: () Ellen: I see. Then I will call again in ten minutes. イ. He will be unable to talk tonight. □. He will be away until tomorrow. ハ. He is returning in five minutes or so.

 ☐. He is about to leave here.

4. I	Kent: You look worried. What's the matter?
Ι	Linda: Well, to be honest, (①)
F	Kent: Oh, you will? What is the interview for?
I	Linda: It's for my scholarship. I have to pass this interview to get it.
I	Kent: I see. Do you think you are ready?
I	Linda: (②) But the problem is that I always become too
	nervous.
I	Kent: Come on, you can do it. Just relax.
	✓. I think I am.
	\square . I applied for it, but I gave it up after all.
	木. I'm a bit afraid because I'll have an interview soon.
5. (Cindy: What kind of place is your hometown?
	John: It's a small country town.
	Cindy: I guess it must be nice living in a small town.
J	John: Yeah, it is. It's a very quiet and safe place. People are friendly
	and things are cheap. Best of all, (\bigcirc)
(Cindy: It sounds like a great place, but is there anything you don't like
	about it.
J	John: Well, I would say (②) If you live there, you need a
	car because there aren't many buses or taxis.
	1 . you shouldn't drive there.
	\square . the scenery is beautiful.
	☐. the shops are crowded.
	亦. it's a little inconvenient.
5 次の 1	
びなさ	
0 & 0	
1. I	I'll <u>send</u> you <u>an email</u> <u>as</u> soon as I <u>will arrive</u> at the hotel.
	イ ロ ハ ニ
2. I	Despite he was not good at English at the begining, he kept making efforts
	イ
t	so become a fluent speaker.
3. A	Are you used to drive long distances by yourself?
	<u>イーロー 八 二 二 </u>

4.	We were taught \underline{by} our teacher $\overline{\prime}$ the summer of 1914.	that World Wa	ar I <u>had been b</u>	
5.	$\frac{\text{Whatever smart he } \underline{\text{may}}}{1} \text{ be, he}$	is only a seven	n-year-old boy.	
 替え	1~5の日本文とほぼ同じ意味の る場合 , その順序として最も適t さい。ただし , 文頭にくる語 (6	切なものをそれ	でれイ~二の「	
(1)	誰も何か燃えているにおいを感 (1. anything 2. no 3. bu イ. 1-4-2-3-5 ロ. 2-5-4-1 八. 3-1-4-2-5 ニ. 5-4-2-1	urning 4. s .–3	smelled 5. c	one)
(2)	彼女は私の友人を見送ることに (1. to 2. see 3. she is イ. 3-1-2-4-5 ロ. 3-2-1-5 八. 3-4-1-2-5 ニ. 3-5-1-2	4. my friend 5–4	l 5. off)	
(3)	その男の子はこのクラスで一番 (1. other 2. as smart 3. 7. no 8. in this class) イ. 5-4-2-6-1-7-3-8 ロ. 5 ハ. 7-1-3-4-2-6-5-8 ニ. 7	student 4 5-4-6-7-1-3-2	2–8	boy 6. as
(4)	彼女は 20 年前に有名な女優ださ (1. been 2. proud 3. 20 6. is 7. she 8. a well-kn イ. 3-6-2-5-4-7-1-8 ロ. 3 ハ. 7-6-2-5-4-1-8-3 ニ. 7	years ago own actress) 3-6-4-1-2-7-5	4. having -8	5. of
(5)	少年たちの多くはその建物を見(1, of 2. neither 3. hear 7. nor 8. about the building イ. 5-1-6-2-4-7-3-8 ロ. 5	rd 4. saw g) 6-6-2-4-7-3-1	5. most -8	

解答

		問 1					問 2			問3 問4	問 5	
1	2	3	4	5	(1)	(2)	(3)	(4)	(5)	미미	問4	同 5
П	八	=	1	八	1	=	=	八	П	1	八	=

1	2	3	4	5	6	7	8	9	10
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	J	1		0	4	1		5

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=	1		八	1

1	2	3	4	5
П	1	ハ	ハ	1