岩手医科大学 医学部

平成 29 年度 一般入学試験問題 英語 (60分)

I注意事項

- 1 配布された問題冊子・解答用紙は、試験開始の指示があるまで開かないでください。
- 2 この問題冊子は9ページあります。(ページ番号のないページは含みません。) 試験開始の合図とともにすべてのページが揃っているかどうか確認してください。
- 3 ページの脱落や重複、印刷の不鮮明な箇所があった場合には、直ちに監督者に申し 出てください。
- 4 受験番号および解答は必ず解答用紙の所定の欄に記入・マークしてください。
- 5 この問題冊子の余白等は適宜利用してもかまいません。
- 6 質問、中途退室など用件のある場合は、手を挙げて申し出てください。
- 7 退室時は、問題冊子は閉じ、解答用紙は裏返しにしてください。
- 8 試験に関わるすべての用紙は、持ち帰ることはできません。

Ⅱ解答上の注意

1 「**解答上の注意**」が、裏表紙に記載してあるので、この問題冊子を裏返して必ず読みなさい。ただし、問題冊子を開いてはいけません。

解答上の注意

- 1 解答はすべて解答用紙の解答番号に対応した解答欄にマークしてください。
 - 10 と表示のある問いに対して
 - (例1) **③**と解答する場合は、**解答番号10**の**③**に**マーク**してください。

解答番号	解				2	<u> </u>	欄			
1,0	1	2	•	4	(5)	6	Ø	8	9	10

(例2) **②**と**⑦**を解答する場合は、**解答番号10**の**②**と**⑦**に**マーク**してください。 (複数解答の場合)

解答番号	解			答			欄			
10	1	•	3	4	6	6	•	8	9	10

第 1 問 次の英文の 1 ~ 10 に入れるのに最も適当なものを、下の①~
⑩から1つずつ選べ。
•
In 1838, Matthias Schleiden, a botanist, and Theodor Schwann, a
physiologist, 1 working in Germany, had claimed that all living
organisms were built out of 2 building blocks called cells. Borrowing
and extending this 3, Virchow set out to create a "cellular theory" of
human biology, basing it on two fundamental tenets. First, that human bodies
(like the bodies of all animals and plants) were made up of cells. Second,
that cells only arose from other cells — omnis cellula e cellula, as he 4 it.
The two tenets might have seemed simplistic, but they 5 Virchow
to propose a crucially important hypothesis about the nature of human
growth. If cells only arose from other cells, then growth could occur in only
two ways: 6 by increasing cell numbers or by increasing cell size.
Virchow called these two modes hyperplasia and hypertrophy. In hypertrophy,
the <i>number</i> of cells did not change; 7, each individual cell merely
grew in size—like a balloon being blown up. Hyperplasia, in contrast, was
growth 8 virtue of cells increasing in <i>number</i> . Every growing human
tissue could be described in 9 of hypertrophy and hyperplasia. In adult
animals, fat and muscle usually grow by hypertrophy. In contrast, the liver,
blood, the gut, and the skin all grow through hyperplasia — cells becoming
cells becoming more cells, omnis cellula e cellula e cellula.
That explanation was persuasive, and it provoked a new understanding
not just of 10 growth, but of pathological growth as well.
(All Mala East Coulbrate 2010)
(出典 Siddhartha Mukherjee. The Emperor of All Maladies. Scribner, 2010.)
(注) Virchow, フィルヒョウ(人名); tenet, 原則; tissue, 組織; pathological, 病的な
patitotogical, 11144 o
① allowed ② both ③ by ④ either ⑤ fundamental
6 idea 7 instead 8 normal 9 put 6 terms

第2問 次に与えられた語に	ついて、1~3		11 ~ 1	3)は下線部の発
音と同じ発音を含むも	のを、4~6(4 ~ 16		• は第1アクセン
ト(第1強勢)の位置	が同じものを、	それ・	ぞれ下の①~④ス	から	1 つずつ選べ。
1. ch <u>a</u> nge 11					
① gain ②	care	3	health	4	fear
2. tough 12					
① proud ②	bought	3	allow	4	flood
9 12-1-1-1	No marro	Ü	uno W	U	·
3. though 13					
		_		_	
① path ②	breathe	3	throat	4	thick
4. mes·sage 14					
① ac·cept ②	po·lice	3	re · cent	4	ad·vice
5. au·to·mat·ic	15				
0 ex · per · i · ment		2	trans · por · ta	· tic	on
③ i⋅den⋅ti⋅ty		4	com · fort · a ·	ble	
6. per·mis·sion	16				
① con·tin·ue	• • • • • • • • • • • • • • • • • • • •	2	cir · cum · stan	ice	
③ in ⋅ di ⋅ cate		a	vol · un · teer		

第3問 次の1~10の文の 17 ~ それぞれ下の①~@から1つずつ選べ	26 に入れるのに最も適当なものを、
 The phrase "fair play" is said being invented to have invented 	by Shakespeare. a having invented to have been invented
2. The Nobel Prize in Literature for 2① awarded ② received	015 was 18 to a Belarusian author. 3 sent 4 decided
3. The footballer 19 the pain an	d kept playing until the end of the match. 3 put up with 4 made up for
4. One in seven Americans is unab with hunger.	le to get enough to eat and 20
10 maintaining 20 struggling	3 reminding 4 threatening
5. It's a good idea to have an extra runs out while you're out.	ra battery 21 your main battery
① so that ② in case	3 even though 4 because of
6. The World Cup has been held during the Second World War.	22 four years since 1930, except
① every ② each	3 all 4 other
7. Apollo 11 succeeded 23 on t	he moon in 1969.
① to land ② to landing	3 in landing 4 in land
8. Not 24 with the service at manager.	the restaurant, he complained to the
① satisfy ② satisfied	3 satisfying 4 satisfaction
9. 25 for the publication of he generous nature would have been hid	r diary, Anne Frank's intelligence and lden from the world.
① Were it③ Not having been	② Having been④ Had it not been
10. When I woke up this morning, the	TV was on. I 26 to turn it off.
would forgetmust have forgotten	2 could forget4 ought to have forgotten

	次の1~5の対話文の 27 ~ たれぞれ下の ① ~ ② から1つずつ選べ。	31	に入れるのに最も適当なものを、
(. 40 C 40 F O O O O O D I O F O O O		
1.	David: You look upset. 27		
	Susan: My phone won't turn on.		
	David: Have you charged the battery	?	
	① Guess what!③ What is it like?	2 4	What's wrong? What's the occasion?
2.	Peter: Have you heard from Kanako) lat	cely?
	Haruka: Actually, we're having lunch	toge	ether this weekend.
	Peter: 28 when you see her.		
	① I'll give my regards to her ③ Ask her how are you	2 4	I'm willing to tell you Say hello to her for me
3.	Woman: I'd like to check in. I ha	ıve	a reservation under the name of
	Kathy Moore.		
	Receptionist: Yes, Ms. Moore, we l	nav€	e your reservation. Would you
	Woman: Sure. May I borrow a pe	en?	
	 spell your name bring your luggage	2 4	fill out this form do me a favor
4 .	Student: You've been very helpful. T	`har	ık you very much.
	Professor: You're welcome. If you have	e a	ny further questions, 30 .
	Student: I will. Thanks again.		
	make yourself at homefeel free to e-mail me	2 4	please refrain from contacting me so do I
5.	Student: I'm looking for Capital in ti	he I	Twenty-First Century.
	Librarian: I'm afraid that book has be	en (checked out.
	Student: 31 when it comes back	ck?	
	① Could you let me know ③ How about renting it	2 4	Do you mind borrowing Why don't you teach me

第5問 次の1~3の文において、それぞれ下の①~⑦の語句を並べかえて空所を補い
最も適当な英文を完成させよ。ただし、文頭にくるべき語も小文字で始められて
いる。解答は 32 ~ 40 に入れるものの番号のみを答えよ。
1 I 32 33 34
said in class.
① impossible ② everything ③ write down ④ it
(5) the teacher (6) to · (7) found
2. In America the percentage of young people 35 36 37 in 1976. In other words, young Americans are not getting more education than their parents.
① a degree today ② have ③ it was ④ as
(5) who (6) about the same (7) is 3. The Tale of Genji was written in an ancient court language. 38 39 40
translated into modern Japanese by Akiko Yosano.
① was ② that ③ the early 20th century
(4) it (5) the novel (6) wasn't (7) until

Vaccination's immediate benefit is individual immunity: It provides long-term, sometimes lifelong protection against a disease. The vaccines recommended in the early childhood immunization schedule protect children from measles, chicken pox, pneumococcal disease, and other illnesses. As children grow older, additional vaccines protect them from diseases that affect adolescents and adults, as well as for diseases they may encounter during travel to other regions. Travelers to certain parts of South America and Africa, for example, are required to receive the yellow fever vaccine, as the disease is still prevalent there.

The secondary benefit of vaccination, however, is herd immunity, also known as community immunity. Herd immunity refers to the protection offered to everyone in a community by high vaccination rates. (1) With enough people immunized against a given disease, it's difficult for the disease to gain a foothold in the community. This offers some protection to those who are unable to receive vaccinations—including newborns and individuals with chronic illnesses—by reducing the likelihood of an outbreak that could expose (2) them to the disease. It also protects vaccinated individuals who may not have been fully immunized against a disease (no vaccine is 100% effective).

When community vaccination rates drop below the threshold of herd immunity, widespread disease outbreaks can occur. The threshold of herd immunity for polio, for example, is estimated to be between 80% and 86%; if the vaccination rate drops significantly below this level, the level of community protection may not be enough to prevent the disease from spreading—primarily to those who have no prior immunity because they haven't been vaccinated (due to chronic illnesses or vaccine refusal) or because they were vaccinated, but it was not effective.

This is precisely what happened in England when MMR (measles, mumps, and rubella) vaccination rates dropped. Measles is extremely infectious; therefore, it has a (A) herd immunity threshold than most other diseases. In the late 1990s, MMR vaccination rates began to drop from more than 90% to 80% or lower—well below the level required for herd

rimmunity against measles. In response, the number of cases began to rise: while only 56 cases were confirmed in Wales and England in 1998, 1,348 were confirmed by 2008. (3)A disease whose spread in the country had been halted more than a decade prior was once again endemic.

Vaccination does more than just protect (B); it protects (C). Sufficient vaccination levels can provide protection against disease for members of the community who would otherwise be left vulnerable.

- (出典 *The History of Vaccines*. Retrieved fromAccessed 20 Jun. 2016.">Accessed 20 Jun. 2016.)
- (注) vaccination, ワクチン接種; measles, はしか; chicken pox, 水ぼうそう; pneumococcal, 肺炎球菌の; yellow fever, 黄熱病; foothold, 足がかり; chronic, 慢性の; outbreak, 集団発生; threshold, 閾値(限界値); polio, ポリオ、小児まひ; mumps, おたふくかぜ; rubella, 風疹; endemic, 風土病の

問 1	次の $1\sim5$ の文について、 41 \sim 45 の答えとして最も適当なものを、それぞれ下の $0\sim0$ から 1 つずつ選べ。
	 Which is the closest in meaning to the underlined part (1)? If the vaccination rate against a specific disease is high enough When people are healthy enough to be immunized against a certain disease As more and more people fight against a particular disease Although a number of people are immunized against a given disease together
	 2. What does the underlined part (2) refer to? 42 ① individuals with chronic illnesses ② everyone in a community ③ vaccinations ④ those who are unable to receive vaccinations
	3. Which expression best fits in the blank (A)? 43 ① lower ② higher ③ lowest ④ highest
	 Which is consistent with the underlined sentence (3)? People who got measles had not been able to enter England before 2008. People who had suffered from measles began to get it once again after 1998. Measles had been uncommon in England for more than ten years before 1998. Measles had been spreading in England for more than a century until 2008.
	5. Which is the best combination of expressions to fill in the blanks (B) and (C)? 45 ① (B) children (C) adolescents and adults ② (B) citizens of the country (C) travelers from abroad ③ (B) polio (C) measles ④ (B) an individual (C) entire communities

問2	本]	文の内容に合うように、次の1~3の文の 46 ~ 48 に入れ
	るの	に最も適当なものを、それぞれ下の①~④から1つずつ選べ。
•		
	1. 7	The primary benefit of vaccination is that $\boxed{46}$.
	1	it protects infants from adults who have some diseases
	2	it protects adolescents and adults from diseases
	3	it prevents travelers from getting sick in foreign countries
	4	it protects people who are vaccinated from certain diseases
	2. 7	The secondary benefit of vaccination is that 47.
,	1	everyone in a community is offered to receive vaccines
	2	people get additional vaccines when they get older
	(3)	it protects everyone in a community under certain conditions
	4	it is provided for everyone even though the cost is high
	3. I	n order to prevent polio from spreading, 48.
	1	vaccine which is 100% effective should be developed
	2	the age at which people can receive polio vaccination should be
	_	owered
	3	we should make sure there is enough vaccine to go around
	4	more than 80% of the people in a community should be vaccinated