平成 27 年度 金沢医科大学医学部入学試験問題 一般入学試験 (英語)

1	次の	次の英文の 1 ~ 8 に入る最も適切な語句を,それぞれ①~⑤から1つ選びなさい。					
	 (1) A: I'm attending tonight's lecture on DNA structure and function. How about you? B: Me, too. It's supposed to be very interesting. Is Tim coming, too? A: No, he isn't, 1 he's changed his mind. 						
		① although	② as soon as	3 sooner or later	④ so that	(5) unless	
	 (2) A: Oh, hi Jane. I heard that you are leaving for Atlanta tomorrow to attend the conference. B: Yes, early tomorrow morning. I have to work hard on this project all day today. A: Who will 2 your responsibilities while you're away? 					ence.	
		① take over	② take off	③ take into account	① take care	(5) take turns	
	(3) A: Lungs and kidneys purify our body by 3 waste matter. B: Are those the only organs in our body that do that?						
		① polluting	2 eliminating	③ securing	4 assigning	(5) fastening	
	(4) A: I'm going to Australia for the spring break and I need someone to feed my cat while I'm gone. B: 4						
		① Of course not! ④ Don't count on n		nesitate to say no. it right away.	3 She's already be	een fed.	
	(5) There 5 no hospital on the island, the injured were transported to a hospital across the bay by helicopter.					the bay by helicopter.	
		① being	② to be	③ were	4 has been	⑤ have been	
	(6) All newborn mammals are designed to be nourished with mother's milk, which contains lactose as its primary carbohydrate. Appropriately called milk sugar, lactose is a double sugar molecule 6 one glucose and one galact molecule linked together.						
		① to consist	② that consists	3 consist of	(4) consisting of	⑤ are consisted of	
	(7)	(7) Language is many things. It's a system of communication, a 7 for thought, a vehicle for literary expression, a matter for political controversy, and a factor in nation building. All normal human beings speak at least one language and it is hard to imagine much significant social or intellectual activity taking place in 8.					
		7 ① mean 8 ① absences	 medium his absence	3 conduct 3 its absence	4 recognition4 the absent	 developing those absences	
$\overline{2}$	次の	英文を読み,問いに答	答えなさい。				
	次の英文を読み、問いに答えなさい。 Chemistry is the study of matter and energy and the interactions between them. This is an extremely broad a inclusive 9, but quite an accurate one. There is no aspect of the description of the material universe which does not depend on chemical concepts, both practical and theoretical. Although chemistry is as old as the history of humankind, it remained a speculative and somewhat mysterious a until about 300 years ago. [①] At that time it became clear that matter comes in many different forms and kind [②] Therefore, some kind of classification was needed, if only to organize data. [③] There was red matter a white matter, liquid matter and solid matter, but it did not take long to realize that such broad qualitative descriptional although important, were not sufficient to differentiate one kind of matter from another. [④] It was found that the properties could be separated into two basic classes: physical and chemical. [⑤] Changes in physical propert involve only changes in form or appearance of a substance; its fundamental nature remains the same. [⑥] He example, the freezing of water involves only its conversion from liquid to solid. The fact that its fundamental nature remains the same is easily demonstrated by melting the ice. By passing an electric current through water, however, to new substances are created: hydrogen and oxygen. The fundamental nature of water is changed; it is 10 water, but he been transformed into new substances through chemical change.						

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Without knowing anything about the fundamental nature of matter, chemists were also able to establish that matter could be separated into simpler and simpler substances through physical separation methods and through chemical reactivity. They developed methods for measuring physical properties such as density, hardness, color, physical state, and melting and boiling points to help (7)them decide when these operations could no longer change the nature of the

	•			on composition. In this scheme,
matter is divided into tw				1. (II (be gongwated
				bstance that cannot be separated
				ning simpler substances. All the
				hen elements are combined, they
				ts with none of the properties of
the individual elements,				
				and depend on composition. An
				ss, which varies depending on its
				at least two pure substances. In
				ally 12 throughout the sample.
Heterogeneous* mixture	es reveal visual diffe	rences throughout the	sample (pepper and sa	lt, sand and water, whole blood).
注*: Homogeneous 同種の	O, 同質の; Heteroger	ieous 異種の,異質の		
問1 文章中の空欄 9		適切な語句を、それぞ	れ①~⑤から1つ選び	なさい。
9 ① possibility				⑤ issue
10 1 somewhat	② similar	3 not any mo		⑤ no longer
11 ① By the way		③ In contrast	-	⑤ As a matter of fact,
12 ① form	② forms	③ format	4 uniform	⑤ transform
間2 次の文が入る最も	適切な箇所を,文章「	=0[①]~[⑥	】から1つ選びなさい	· 13
Additional crite	ria, now called prop	erties, were required.		
問3 下線部 (ァ) <u>them</u> が	指しているものを,(D~⑦から 1 つ選びなさ	(V) 14	
① operations	② methods	③ chemists	4) substances	
(5) reactivities	6 properties	7 points	<u> </u>	
		5 1		
問4 文脈から下線部 い) <u>emerged</u> に意味の上	で最も近い語句を,①	~⑤から1つ選びなさ <i>V</i>	`。 15
① became vague	② discharged	③ was developed	④ was cleared	(5) abandoned
問5 本文の内容に一致	した英文を完成させる	るのに最も適切な選択肢	を、それぞれ①~⑤か	ら1つ選びなさい。
Charlet and his ha	1 10			
Chemists establishe	α [10].			
① that physical	separation methods	are used to cause che	nical reactivity	
		ture of ice changes whe		
-		nature of matter could		ime
•		e not important for sep		
~ 1	•	less complex substanc	_	

Compounds are substances 17.

- ① with specified combinations of hydrogen and oxygen
- 2 that have different properties at the same level
- 3 that have individual sets of chemical and physical properties
- 4 made by combining three or more mixtures
- (5) composed of several elements and cannot be separated into simpler forms

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3 次の英文を読み、問いに答えなさい。

Driving is one of the most momentous steps that a teenager will take toward personal independence. Being able to drive 18 mobility, the gratification of not having to rely on parents or friends for a ride, and a definite sense of prestige. Like every other new freedom that beckons the adolescent moving toward adulthood, there are a number of risks and responsibilities that must be acknowledged and addressed. Because of the safety issues that ())accompany taking the wheel for the first time, new drivers and their parents should prepare for this next phase of life with the utmost diligence.

The fact that automobile insurance rates are greatly increased for adolescent drivers, especially for males, is no accident. Motor-vehicle accidents are the leading cause of death of young people ages fifteen through twenty, killing more than five thousand youths in America each year. Even though this age group comprises less than 7 percent of the driving population, it accounts for 14 percent of vehicle-related deaths. Over the past decade, over sixty-eight thousand teens have died in car crashes.

Indeed, an important factor (7) contributing to accidents involving teens is their willingness to engage in risky behaviors. Speeding is a factor in about 30 percent of all traffic deaths, and putting pedal to the metal* is a major temptation for teenage drivers, especially males. Alcohol is involved in more than a third of all traffic deaths for young people ages sixteen through twenty. One survey found that at least 12 percent of high school students reported driving after drinking (2) alcohol, and more than 30 percent of teens 19 with a driver who had been drinking.

Teenagers love to hang out and drive around with their friends, but for a sixteen-year-old driver having one other passenger in the car increases the chance of being killed by 39 percent. If there are two riders, the likelihood of a fatal accident is 86 percent greater, and for three or more passengers it is 282 percent higher than if that teenager is driving solo (or with a parent). Eighteen percent of high school students report that they never or hardly ever use a safety belt when riding in a car driven by someone else. [V]

After reading such discouraging information, some parents may vow never to let their children sit behind the wheel of a car until they are in their twenties and living on their own. Aside from being unrealistic, such a mind-set is counterproductive* and 20 to teens who really want to learn to drive safely. A more constructive outlook is to view the adolescent years as a time when adults can teach safe driving habits and sinfluence a young driver's behavior for life, passing on skills and knowledge that will perhaps save lives many years in the future. Becoming an expert driver requires years of experience, and overseeing the first few years of that experience is a wonderful, though at times very stressful, privilege.

As a parent you can pass on a wealth of driving wisdom in many ways. [5] Their learning to drive may be stressful for you, but it's much more so for them. Second, as with other behaviors they want their children to adopt, parents must model safe driving habits; children will imitate their parents. Also, parents should not only learn the traffic laws but also be prepared to 21 additional limits and expectations based on their adolescents' attitude and skill.

Always require your children to fasten their seatbelt before the engine is started, whether driving or riding. Your children should never drive if they are drowsy. Additionally, while there are many good reasons for them to abstain from alcohol and drugs, make sure they understand that drinking kills thousands of people every year, many of them teens. I λ And no matter how strongly you might feel about the use of alcohol, let your children know that they can always call you for a ride in order to avoid being in a car with a drunk driver—whether themselves or someone else.

Unfortunately, no matter how calmly and rationally you explain the conditions you are placing on your children, they may see these restrictions as unreasonable. If they protest against your limitations, stand your ground. And if you see unsafe driving patterns or habits that your children refuse to correct, don't let them have the keys. The first commandment for potential drivers to learn is that driving is a privilege, not a right. Your first priority is to keep them and others on the road alive and well 22 they learn to operate an automobile safely and skillfully.

注*: putting pedal to the metal ペダルを思い切り踏み込む(全速力で走る); counterproductive 逆効果

間1 文章中の空欄 $\boxed{18}$ ~ $\boxed{22}$ に入る最も適切な語句を,それぞれ $\mathbb{1}$ ~ $\mathbb{5}$ から1つ選びなさい。

18	① verifies	2 proposes	③ provides	4 regards	⑤ specifies
19	① ridden	② was riding	③ was ridden	④ had ridden	⑤ had been ridden
20	① insulting	② declining	3 depending	4 forcing	⑤ destroying
21	① enforce	② dominate	③ persist	(4) insist	⑤ qualify
22	① during	② while	③ by	④ whether	⑤ in which

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問 2	下線部 (1) ~ (3) の記	吾において, <u>最も強く</u> 矛	発音される母音と同じ母音	を持つ語を,それぞれ①	〕~⑩から1つ選びなさい。	o	
	(1)accompany 23 (2)alcohol 24 (3)influence 25						
	① feel ② wrist	3 head 4 hand	5 short 6 cut (7) face 8) eye 9) ı	nose ⑩ tooth		
問3	次の(A)~(D)の英	文は文章中の【 あ 】	~【 え 】に入る。その最	とも適切な順番を, ①~⑩	から1つ選びなさい。 20	6	
	(A) All of these behaviors increase the odds of a teenager being involved, injured, and/or killed in an automobil accident.						
	(B) Not only should your teenage children never drink and drive, but they should also never get into a car if the driver has been drinking.						
		with your teenage chi	ldren.				
	(D) If you're a little a	ınxious about your tee	enager becoming a driver,	, your concerns are not	unfounded.		
	① (A)·(C)-(B)·(D)	② (A)-(D)-(C)-(B)	③ (B)-(A)-(C)-(D)	(B)-(D)-(C)-(A)	(g) (C)-(A)-(D)-(B)		
	(C)-(B)-(D)-(A)	⑦ (C)-(D)-(A)-(B)	(B) (D)-(V)-(C)-(B)	(D)-(A)-(B)-(C)	(D)·(C)·(B)·(A)		
問4	文脈から下線部 (ア)c	ontributing to に意味の	の上で最も近い語を,①~	-⑤から1つ選びなさい。	27		
	① addressing	② drawing ③	donating 4 occu	urring ⑤ causing			
問 5	本文の内容と <u>一致し</u>	<u>ない</u> 英文を,①~⑦か	ら <u>2つ</u> 選びなさい。 28]			
	① Car insurance rates are reduced for young male drivers because they are not involved in accidents as much as						

- Description Car insurance rates are reduced for young male drivers because they are not involved in accidents as much as elderly drivers.
- ② Drivers ages fifteen through twenty are less than 7 percent of the driving population, but this group accounts for more than 10 percent of traffic deaths.
- ③ It is possible that the motor skills and coordination of teens are better than those of their parents.
- About a third of all vehicle-related deaths involve speeding.
- ⑤ Teenage drivers' risk of being killed in a car accident is higher when they are driving alone than when they are carrying passengers.
- 6 Some parents might think that they should not let their children drive until they are over twenty.
- Teenagers should be told that they can always call their parents to give them a ride if they drink.

4 次の英文を読み、問いに答えなさい。

It is probably possible to lead an inactive life and still experience healthy aging, but it isn't likely. Maintenance of physical activity throughout life and successful aging go hand in hand; this was one of the strongest correlations found in the MacArthur Foundation's Study of Aging in America, 29 reported in 1998 in the book Successful Aging. Almost all of the healthy seniors I know were physically active throughout life, and many of them still are. They walk, dance, play golf, swim, lift weights, and do yoga. Some of them are more engaged in physical activity than their middle aged counterparts.

In Japan, which still boasts the world's highest (7) longevity at an average of almost eighty years, not only are numbers of centenarians* increasing but so are the numbers of "super seniors," extraordinarily fit old persons. Here is a description of one:

As dawn breaks over the world's largest metropolis, Keizo Miura, a powerfully built centenarian, is already dressed in his charcoal gray tracksuit and ready to run. Before a healthy breakfast of seaweed and eggs, Miura races through his indoor exercises. He winces* as his neck, still tender from a collarbone* injury, momentarily reminds him that he was born in 1904. The man who has become a role model in graying Japan* ignores the pain the way he did last year when he skied down Europe's Mont Blanc at age ninety-nine. In no time, he is out the front door for his daily two-mile power walk. "I still feel good," said Miura, who in 1981 became the oldest man to climb Mount Kilimanjaro, Africa's tallest peak, and is training for an expedition to the Italian Alps next year. "There's really nothing so amazing about me...but my son, now he is amazing." That would be Yuichiro Miura, seventy-two, who in May 2003 became the oldest man to climb the summit of Mount Everest.

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I could 30 with accounts of old people who are setting records and astonishing the rest of us with their physical achievements, people in their eighties and nineties still lifting weights, surfing, competing in triathlons, and otherwise showing us that the human body can keep going in ways our ancestors 31 able to imagine. As friends and acquaintances learned that I was writing on healthy aging, they invited me to meet American super seniors and watch them doing power yoga, dance marathons, and other (4) extraordinary achievements. All of this is inspiring and of special interest to anti-aging enthusiasts, but it is secondary to what I have to tell you now. I am concerned with ordinary life and with 32 all of us need to know about physical activity and aging, even if we are not planning to climb mountains. In traditional cultures, (4) [
注*	: centenarians = peopl graying Japan 日本	-	ars old or more; wince	es たじろぐ; collarbone	鎖骨;		
問1	文章中の空欄 29) ~ 32 に入る最	も適切な語句を,それ	ぞれ①~⑤から1つ選び	なさい。		
	29 ① that 30 ① go on 31 ① haven't 32 ① them	② as ② go out ② wouldn't ② that	3 which3 put on3 couldn't3 what	4 who4 put off4 hasn't been4 which	⑤ by whom⑤ figure out⑥ might not have been⑥ where		
問2				,る部分(第1強勢のある せは(ア)-(イ)の順番	らところ)の位置の組み合わせとし まとすること。 <mark>[33]</mark>		
	(ア)lon-gev-i 1 2 3		(イ)ex-traor-di-n 1 2 3	ar-y 4 5			
	① 1-1 ② 1	-2 ③ 1 -3	④ 2 - 1 ⑤ 2 -	2 62-3 73	-1 8 3 -2 9 3 -3		
問3	間3 (か)【						
	(あ) of daily li	ving (V) that co	ondition (5) the	physical body (え)t	he activities (お) it is		
	① (あ) - (お) ⑥ (え) - (い)	②(う)- (あ) ⑦(え)- (お)	③ (う) – (え) ⑧ (お) – (あ)	④ (う) - (お) (⑨ (お) - (い) (⑤(え)-(あ) ⑩(お)-(え)		
問4]4 下線部 (エ) it が指しているものを,①~⑧から1つ選びなさい。 35						
	① life ⑤ limitation	② purpose⑤ body	3 activity7 requirement	 exercise age			
問5	5 本文の内容と <u>一致する</u> 英文を,①~⑥から <u>1つ</u> 選びなさい。 <mark> 36</mark>						
	 ① MacArthur Foundation's Study of Aging is the name of a book published in 1998. ② The author knows almost all of the healthy seniors in America who play golf, swim, and do yoga. ③ The author says that eating a healthy breakfast is essential to become a super senior. ④ Keizo Miura was born in 1904 and is proud of his father, Yuichiro Miura. ⑤ American super seniors invited the author to do power yoga with them. ⑥ The author met old people in Okinawa who were healthy and did physically active work. 						