# 令和 5 年度 金沢医科大学医学部入学者選抜試験問題 一般選抜(後期)【 英 語 】

1	Read the passage below and then answer the questions about it. Choose the most appropriate answers based on what is stated or implied in the passage. Boxes () in the passage indicate missing information.
	The two-way interaction between the natural environment and people is a key concept in the study of geography. This interaction provides a strong academic justification for physical geography and human geography remaining together in the same university department. Two major interconnected sub-themes can be identified: first, studying the complex effects of different natural environments on societies and <1>their activities; and second, understanding the nature and extent of positive as well as negative human impacts in different environments. Both sub-themes require enough knowledge of the related physical and human geographical patterns and processes 2 in both the natural environment and human society.
	Attempts by geographers to conceptualize and theorize how the environment interacts with society have had mixed success.  Environmental Determinism in the early 20th century described  Figure 1A: Environmental Determinism  9
	environmental effects as a simple, direct, cause-and-effect link between, for example, climate and human characteristics or the decline of civilizations (Figure 1A). Since then, the complex, indirect, and two-way nature of the environmental relations of society has been recognized and alternative, more advanced models
	have been proposed, two of which are shown in Figures 1B and 1C.  Technological Materialism recognizes the important role of technology in bringing about both the way the environment affects  Figure 1B: Technological Materialism
	technology in bringing about both the way the environment affects society and how society affects the environment. The way people view their environment often reflects the extent 3 the use of resources
	is possible given the technological aids available to them. In other words, technology can be an enabling factor. The invention of the plow*, for example, enabled farming societies to intensify land
	use and increase productivity. This in turn led to greater human impacts on soil richness and erosion*. Similarly, almost every technological innovation has the potential to affect human-environment relationships in some way.
	In the Adaptive Systems model interactions between the environment and society are brought about by many more social,
	cultural, economic, and political factors. Thus there are many paired Goals/Desires
	relationships with feed-back and feed-forward loops, as indicated by the direction of the arrows between sections in Figure 1C. These features of the model and the results of the results
	perceived and used, and the ability of society to develop adaptive Defines Resource Creates/
	processes and modify their strategies over time. Human adjustment to
	more often than not, takes the form of engineering schemes such as the Cultural Landscape Strategies
	construction of canals and dams that protect against floods likely to occur again once in a century or two. This solution has been adopted as a result
	of the interaction of social demands, economic costs, and political pressures. It represents one possible response to flooding —not necessarily the best strategy—that has evolved over time.
	<2>Geographical work focusing on the effects of the environment on society contributes, for example, to understanding
	the use of natural resources, and the risks of natural dangers to people. A natural resource includes anything in the natural environment that is capable of use by society, but what is used as a resource in a particular place depends not only
	on its availability but also on what that society values and chooses to use. Societies in different places or at different times may see resources differently because of different cultural values, levels of technology, or economic or political
	considerations. The position of wildlife is a good example in this 4 to some it is regarded as a source of food, such as
	wild animal meat, whereas to others it must be protected or used in different ways by tourists. The geography of natural resources therefore draws on both the biophysical nature of the resource and many aspects of the associated human
	environment.
	The distinction between renewable and non-renewable resources is important in this context. The former, such as soils, freshwater, forests, and fishing grounds, are restored by biological or environmental processes and may be harvested without limit 5 that they are not overused. However, the use of such resources is increasing at a faster rate than
	the world's population: since the 1950s, world demand for water has increased by three, catches of fishes have increased by four, and consumption of food has increased by six times more. Technological innovations in agriculture, water supply,
	forest <3>management, and fishing industries have proved capable of both increasing outputs and overusing resources,
	which can lead to <a>\extrm{extrm} \text{exhausting} resources and damaging the whole geo-ecosystems. There are often domino effects throughout economic and political systems, as shown by the so-called 'Water Wars' in the Middle East and elsewhere,</a>
	where upstream removal of water from rivers and groundwater has led to limited downstream supply. Reserves of non-
	renewable resources, such as fuels, natural gas, and metals, which are in limited supply because of their slow rate of formation by geological processes, may be reduced and completely used up.
	*Vocabulary
	plow = large farming equipment with one or more blades, often used for digging soil erosion = 浸食
	1. 1 What does <1>their refer to? Choose ONE answer.

2 academic justification 5 complex effects

① natural environment and people ④ interconnected sub-themes 

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2.	Choose the n	nost appropria	ate answers.						
	3 ① 4 ①	operate that respect	② operates ② which ② means ② such	<ul><li>③ operat</li><li>③ in whi</li><li>③ proced</li><li>③ as if</li></ul>	.ch ④ of w	prehension	⑤ are op ⑤ to whic ⑤ biology ⑤ provid	ch V	
3.	6 For	<2>Geographi	cal work focusing	z find the	MAIN VERB	f the sentenc	e.		
	① work ⑦ understa	② focu		ects	4 environme 9 resources	nt ⑤ s	ociety risks	6 contribu 1 dangers	tes
4.	Identify the	most stressed	l vowel. Then cho	ose ONE w	ord for each tha	it has the san	ne vowel pr	ronunciation	
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6.		15 Comple examples are	te the table by cl NOT in the pass	100sing an a age.	ppropriate sun	ımary and ex	ample for	each model.	
	Model	Environme	ental Determinis	sm Te	chnological Ma	terialism	A	daptive Syst	tems
	Summary		10		11	]		12	
	Example		13		14	]		15	
<ol> <li>Planting trees and grasses on a beach help reduce sand erosion, but prevent tourists from enjoying the beach.</li> <li>Technology changes the way nature affects people and also the way people affect nature.</li> <li>Countries located in hotter climates are less developed than countries with a more variable climate.</li> <li>The invention of the automobile has given people freedom to move great distances quickly, but cars are a major cause of air pollution.</li> <li>The natural environment influences human characteristics and behaviors.</li> <li>Social, cultural, economic, and political factors play a role in the interaction between nature and humans.</li> </ol>									
Re sta	Read the passage below and then answer the questions about it. Choose the most appropriate answers based on what is stated or implied in the passage. Boxes ( ) in the passage indicate missing information.								
for light ord ord me tire bet dis wo eat	six hours. Y a bit, so you hting. The co dly." You rea linary cheap ou offers a w Food like tl ed of New Yo ween orderi hes at the tr uld you be w ting the same The answe	ou are tired a walk into who offee-stained to ach for the marestaurant. In whole range of his would be north, moved to for grench for the stop, wou illing to pay for food in New res are simple.	. Atmosphere and	ong drive alta simple restou a bit caut ly stashed lined lin	nead of you. You taurant. It has tious. Still, you behind an empi gers and chicke dishes. ne-dining restan tow cooks for [ g it at an isola ry them? Suppo 17 it, wou ons add a great	a need a bite the usual cra think, "Fine, ty napkin dis a sandwiches urant in New 16 happes ted truck sto se the prices ald you enjoy deal to our e	to eat and acked vinyl- no one car spenser, or s, you are a York. It is no through op? If you e were not le it as much enjoyment.	want to be of-covered boom make a handly to discovered boom astonished to possible that. Is there a kencountered listed on the asyou might you would expressive to be a second or the second of the second or the se	the car the and plain mburger that er this is no esee that the the chef got tey difference such French menu. What at if you were
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A few years ago the <1>folks at the Washington Post were curious about the same basic topic and decided to write an article about it. They decided to use music instead of food. The experimental question was this: Can <2>outstanding art shine through a filter of boring and dull expectation?

[2]

quality ones, you would enjoy it much less.

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Journalist Gene Weingarten asked Joshua Bell, generally considered one of the best violinists in the world, to spose as a street performer and play some of the finest music ever composed at a Metro station in Washington, D.C., during the morning rush hour. Would people notice that this guy was better than most street performers? Would they take a moment to listen? Would they throw a dollar or two his way? Would you? If you were like 98 percent of the people who passed through L'Enfant Plaza Station that morning, you would have hurried by, not noticing the performance at all. Only 27 out of 1,097 put money into Bell's open Stradivarius violin case and only 7 18 for more than a minute. Bell played for a little less than an hour and made about \$32, which is probably not bad for a basic street performer, but no doubt (4) humbling to a man used to making far, far more for one minute of playing. Weingarten interviewed a number of people who passed through the station that morning.  $[ \hspace{.1cm} igttee ig$ stopped, one recognized Bell from a performance the night before. [ 2 ] Another was a serious violinist himself. [ 3 ] Another was a Metro worker who, after years of listening to ordinary, even though occasionally talented, street performers, recognized that Bell was better than average. [ @ ] Many didn't even look at Bell. [ ⑤ ] When interviewed, some of them said either that they didn't notice the music, or that it sounded like a slightly better than average street performer playing everyday classical music. No one expected a world-class musician to be playing technically extraordinary pieces in a Metro station. Accordingly, and for the most part, they didn't hear one. Sometime later, I met Joshua Bell and asked him about this experience. In particular, I wanted to know how he felt about being overlooked and ignored by so many people. He responded that he was really not all that surprised, and admitted that expectation is an important part of the way we experience music. Bell told me that it takes an appropriate setting to help people appreciate a live classical music performance—a listener needs to be sitting in a comfortable seat and surrounded by the sound effects of a concert hall. Also, when people put on silk, perfume, and cashmere, they seem to appreciate the costly performance much more. What if we did the opposite experiment?" I asked. "What if we put an average player in Carnegie Hall with the Berlin Philharmonic? The expectations would be very high but the quality would not. Would people recognize the difference and would their pleasure be crushed?" Bell thought for a moment. "In this case," he said, "the expectations would triumph over the experience." Furthermore, he said he could think of a few people who were not great violinists but received wild applause because they were in the right environment. 1. Choose the most appropriate answers. (1) who 4 what (5) whether (2) whom (3) whoever 16 17 ⑤ have eaten ① eat 3 will eat 4 would eat 1 stopped listening 18 2 stopped to listen 3 stopping for listening 4 have stopped listening ⑤ were stopped by listening 2. Choose ONE answer that is closest in meaning. (5) relatives 19 (1)folks artists ② composers 3 journalists 4 audience 20 <2>outstanding 1 respective 2 advanced 3 precious 4 preceding ⑤ distinguished advertise as 21 ① presume as 3 rest as d constitute to be ⑤ pretend to be <3>pose as 5 stimulating <4>humbling ① embarrassing ② respectful ③ moderate 4 angry The following sentence was taken from the passage. Which location indicated by [ ① ]-[ ⑤ ] was it taken from? [Aside from these few, people did not stop at all.] 4. 24 What does the author mean in stating "this is no ordinary cheap restaurant" in paragraph 1? Choose ONE ① The waiting time at this restaurant is long. ② There is no one to cook a simple dish like a hamburger. 3 The tabletops and napkin dispensers are guite unique. The restaurant appears to be simple but provides refined dishes. (5) The hamburgers and sandwiches are too expensive for a small restaurant. 5. 25 In paragraph 2, the author asks, "Is there a key difference between ordering French food in New York and ordering it at an isolated truck stop?" Which ONE of the following represents the author's answer? ① A chef can make better quality food if working in a larger city. ② The price of the food is more important than where the food is served. 3 It is common to find truck stops that serve high quality French food. 4 The environment of a restaurant affects a customer's dining experience. (5) If the ingredients are the same, then the taste will be the same. 6. 26 In the last two paragraphs, what reason does Joshua Bell give to explain his experience in the subway station music experiment? Choose ONE answer.

① People's expectations are an important part of music appreciation. ② Professional musicians can play music well in any location.

Most people generally do not like classical music.
 Professional musicians should dress appropriately.
 There are average violinists who play professionally.

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Read the passage below and then answer the questions about it. Choose the most appropriate answers based on what is stated or implied in the passage. Boxes ( ) in the passage indicate missing information.

On the first day of class, a professor at the University of Florida divided his film photography students into two groups. Everyone on the left side of the classroom, he explained, would be in the "quantity" group. They would be graded <1>solely on the amount of work they produced. On the final day of class, he would count the number of photos <2>submitted by each student. One hundred photos would rate an A, ninety photos a B, eighty photos a C, and so on. Meanwhile, everyone on the right side of the room would be in the "quality" group. They would be graded only on the excellence of their work. They would only need to produce one photo during the semester, but it had to be a nearly perfect image to get an A.

At the end of the term, he was surprised to find that all the best photos were produced by the quantity group. During the semester, these students were busy taking photos, experimenting with composition and lighting, testing out various methods in the darkroom, and learning from their mistakes. In the process of creating hundreds of photos, they perfected their skills. Meanwhile, the quality group sat around 3>wondering about perfection. In the end, they had little to show for 4>their efforts other than unproven theories and one very ordinary photo.

It is easy to get trapped trying to find the ideal plan for change: the fastest way to lose weight, the best program to build muscle, the perfect idea for a side job. We are so focused on figuring out the best approach that we never get around to taking action. As the French philosopher Voltaire once wrote, "The best is the enemy of the good." I refer to this as the difference between being in motion and taking action. The two ideas sound similar, but they are not the same. When you are in motion, you are planning and strategizing and learning. Those are all good things, but they don't produce a result. Action, on the other hand, is the type of behavior that will deliver an outcome. If I outline twenty ideas for articles I want to write, that's motion. If I actually sit down and write an article, that's action. If I search for a better diet plan and read a few books on the topic, that's motion. If I actually eat a healthy meal, that's action.

Sometimes motion is useful, but it will never produce an outcome by itself. It doesn't matter how many times you go talk to the personal trainer, that motion will never get you in shape. Only the action of working out will get the result you are looking to achieve. If motion doesn't lead to results, why do you do it? Sometimes you do it because you actually need to plan or learn more, but more often than not, you do it because motion allows you to feel like 32. Most people are experts at avoiding criticism. It doesn't feel good to fail or to be judged publicly, so 33. That's the biggest reason why you slip into motion rather than taking action: you want to delay failure.

you slip into motion rather than taking action: you want to delay failure.

It's easy to be in motion and convince yourself that 34. You think, "I've got conversations going with four potential clients right now. This is good. We are moving in the right direction," or "I brainstormed some ideas for that book I want to write. This is coming together." Motion makes you feel like you are getting things done, but 35. When preparation becomes an act of delay, you need to change something. You don't want to merely be planning. You want to be practicing. If you want to master a habit, the key is to start with repetition, not perfection. You don't need to map out every feature of a new habit. You just need to practice it.

#### How long does it actually take to form a new habit?

Habit formation is the process by which a behavior becomes progressively more automatic through repetition. The more you repeat an activity, the more the structure of your brain changes to become efficient at that activity. Neuroscientists (scientists who study the brain and nerves) call this long-term potentiation, which refers to the strengthening of connections between neurons in the brain based on recent patterns of activity. With each repetition, cell-to-cell signaling improves and the nerve connections tighten. First described by neuropsychologist Donald Hebb in 1949, this phenomenon is commonly known as Hebb's Law: "Neurons that fire together wire together."

Repeating a habit leads to clear physical changes in the brain. In musicians, the part of the brain critical for physical movements like picking a guitar string or pulling a violin bow, is larger than it is in non-musicians. Mathematicians, meanwhile, have increased volume in another part of the brain which plays a key role in computation and calculation. Its size is directly correlated with the amount of time spent in the field; the older and more experienced the mathematician, the greater the increase in volume.

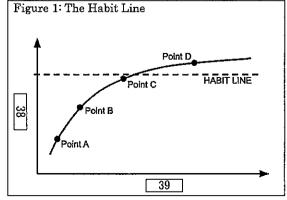
When scientists analyzed the brains of taxi drivers in London, they found that the hippocampus, a region of the brain involved in spatial memory, was <5>significantly larger in their subjects than in non-taxi drivers. Even more fascinating, the hippocampus decreased in size when a driver retired. Like the muscles of the body responding to regular weight training, particular regions of the brain adapt as they are used and decline as they are abandoned.

Of course, the importance of repetition in establishing habits was recognized long before neuroscientists began looking into it. In 1860, the English philosopher George H. Lewes noted, "In learning to speak a new language, to play on a musical instrument, or to perform unaccustomed movements, great difficulty is felt because the channels through which each sensation has to pass have not become established, but no sooner has frequent repetition cut a pathway, than this difficulty vanishes. The actions become so automatic that they can be performed while the mind is otherwise engaged." Both common sense and scientific evidence agree: repetition is a form of change.

Each time you repeat an action, you are activating a particular neural circuit associated with that habit. This means that simple repetition is one of the most critical steps you can take in developing a new habit. It is why the students who took tons of photos improved their skills while those who merely theorized about perfect photos did not. One group engaged in active practice, the other in passive learning. One in action, the other in motion.

All habits follow a similar course from effortful practice to automatic behavior, a process known as automaticity. Automaticity is the ability to perform a behavior without thinking about each step, which occurs when the nonconscious mind takes over.

Figure 1 shows what it looks like when researchers track the level of automaticity for an actual habit like going for a walk for ten minutes each day. The shape of the chart, which scientists call a



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learning curve, reveals an important truth about behavior change: habits form based on frequency, not time.

One of the most common questions I hear is, "How long does it take to build a new habit?" However, what people really should be asking is, "How many repetitions does it take to make a habit automatic?" There is nothing magical about time passing with regard to habit formation. It doesn't matter if it's been twenty-one days or thirty days or three hundred days. What matters is the rate at which you perform the behavior. You could do something twice in thirty days, or two hundred times. It's the frequency that makes the difference. Your current habits have been internalized over the course of hundreds, if not thousands, of repetitions. New habits require the same level of frequency. You need to string together enough successful attempts until the behavior is firmly fixed in your mind and you cross the Habit Line as shown in Figure 1. In practice, it doesn't really matter how long it takes for a habit to become automatic. What matters is that you take the

ac	ctions you	need to take to	make progress. W	hether an	action is	fully automatic	is of less	importan	ce.	
1.	Choose (	ONE answer tha	ıt is closest in mea	ning.						
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2.	30	What does <4>th	neir refer to? Choos	se ONE an	ıswer.					
	① the best photos ② the quantity group ⑤ composition and lighting ⑤ creating hundreds of photos ⑥ skills ⑥ ordinary photo									
3.	Which is	the most stress	ed syllable in the	following w	vord?					
	31	<5>significantly	sig-nif-i-ca ① ②③ ④							
4.		the sentences.	ragraphs 4 and 5, j	parts of th	e sentenc	es are missing.	Choose (	NE answ	er for each to	
	② you a ③ you a	re really just pr re still making <sub>l</sub>	uations where that reparing to get som progress ress without runni	ething do	ne	re				
5.	36 of Florid	At the beginning la? Choose ONE	g of this passage, v answer.	vhy does tl	he author	write about the	e photogr	aphy stud	ents at the University	
	① to define the characteristics of a student who can take high quality photographs ② to illustrate the difference between taking action and planning to take action ③ to explain the importance of taking lessons when learning something new ④ to contrast digital photography methods with older film photography methods ⑤ to criticize the common belief that quantity is more important than quality									
3.	37	Which TWO of t	he following are N	OT true of	f the effec	t that a habit b	as on phy	sical char	iges in the brain?	
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7.	For Figur	re 1, choose the	correct axis titles.							
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	① Autor	maticity 2	Time 3 Dif	ficulty	④ Rep	etitions ⑤	Importa	nce		
В.	For Figur	re 1, choose the	correct explanatio	ns about tl	he points	on the line (Poi	nt A – Po	int D).		
	41 V	Which explanati Which explanati	ion matches Point ion matches Point ion matches Point ion matches Point	B? C?						
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