

I グラフを参照しながら英文を読み、下記の設問に答えよ。(配点 26)

New passenger car models will have to be equipped with a safety belt reminder system for all seats new transport ministry rules. The forthcoming requirement concerning seat belt reminder systems, which light a warning lamp when a car is driven without a belt fastened, will be applied to new car models to be released from September 2020. The measure is intended to help reduce injuries in traffic accidents to passengers in back seats who, as things stand now, often do not bother to belt up.

The ministry is planning to revise rules, based on the Road Transport Vehicle Law, as early as June. Rear-seat passengers, as well as those in the front seats, have been obligated to wear a seat belt since 2008. But only the driver's seat is currently required to have a reminder system that lights a warning lamp and beeps an alarm when a car runs without a seat belt fastened.

Many automakers provide a similar mechanism that works with the front passenger seat on a voluntary basis, but rear seats are seldom covered by a safety belt reminder system. A survey of about 300,000 vehicles, taken in October 2016 by parties including the *Japan Automobile Federation, found that only (ア) percent of rear-seat passengers were wearing seat belts on roads other than expressways. That ratio was significantly lower than the (イ) percent for those in the driver's seat and the (ウ) percent for those in the front passenger seat.

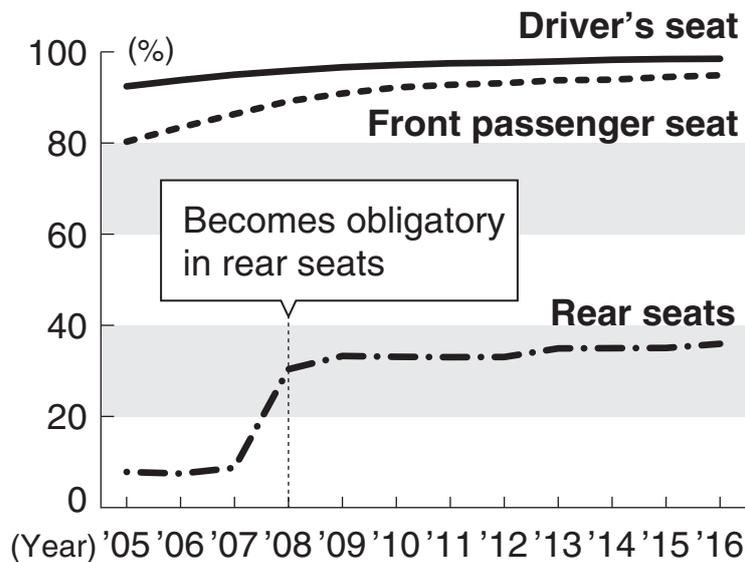
Rear-seat passengers who dispense with wearing a seat belt are increasingly vulnerable to being killed in road accidents. National Police Agency figures show that 105, or about 70 percent of all 152 fatalities in back seats in 2015, had no seat belts on. Of the 35 fatalities who were thrown of their cars from their rear seats, 32, or more than 90 percent, were not wearing a seat belt.

“The seat belt is a simple and excellent safety device,” said a transport ministry official. “You would be playing with your life if you did not wear a seat belt, even if your car came with *state-of-the-art safety (① such ② automatic ③ as ④ devices) emergency brakes. We hope our new requirement will help further reduce the number of fatal accidents.”

Japan's proposal for a mandatory warning system covering all seats was adopted last November for inclusion in an international safety regulation by a U.N. forum for discussing automotive safety technologies. trucks and buses have so far been exempt from regulations regarding seat belt reminder systems, new models to be released in and after September 2020 will be required to have a similar system that covers the driver's seat and the front passenger seat.

注 *Japan Automobile Federation (JAF) 日本自動車連盟 *state-of-the-art 最新の

Rates of seat belt use on non-expressways



(Source: Surveys by JAF, etc.)

(The Asahi Shimbun AJW 2017.04.12付 Safety belt alert systems for all seats in new cars from 2020)
承諾書番号 (18-0229)、朝日新聞社に無断で転載することを禁止する

- (1) 空所 ~ に入る最も適切なものを、次の中からそれぞれ1つ選び、その番号をマークせよ。

<input type="text" value="1"/>	① in	② on	③ with	④ under
<input type="text" value="2"/>	① ones	② one	③ its	④ it
<input type="text" value="3"/>	① out	② over	③ in	④ under
<input type="text" value="4"/>	① However	② While	③ But	④ Then

- (2) 空所 (ア) ~ (ウ) に入る数値の組み合わせとして最も適切なものを、次の中から1つ選び、その番号をマークせよ。

	(ア)	—	(イ)	—	(ウ)
①	94.9	—	98.5	—	36
②	98.5	—	36	—	94.9
③	36	—	98.5	—	94.9
④	36	—	94.9	—	98.5

(3) 下線部 (① such ② automatic ③ as ④ devices) を、文脈に合うように並び替えて英文を完成し、3番目にくるものの番号をマークせよ。

(4) 本文やグラフの内容に合わないものを、次の中から1つ選び、その番号をマークせよ。

- ① People in rear seats have also been required to fasten their seat belts since 2008.
- ② Today, if drivers do not wear a seat belt, the car tells them to fasten the belt using a warning light and sound.
- ③ According to National Police Agency figures, forty-seven people who passed away in back seats in 2015 were wearing seat belts.
- ④ The cars marketed from September 2020 will automatically stop when all passengers in the vehicle take their seat belts off.

Ⅲ 次のインタビューを読み、下記の設問に答えよ。(配点 20)

A teacher in a foreign country is being interviewed about her job by a student reporter.

Student: Can you tell me about your job?

Teacher: I work as a substitute high school teacher. That means that I cover for other teachers who can't work because of an emergency.

Student: What subjects do you teach?

Teacher: My main subject is math and that is what I teach of the time but sometimes I cover for teachers in other subjects. I think I've had to teach just about every subject at one time or another.

Student: Tell me about a typical day in your job?

Teacher: I don't really have a typical day. That is one feature of my job. I'm usually at a different school every week and sometimes every day. I have to get up very early. Earlier than a regular teacher. I get a message about six in the morning telling me where I'll be assigned that day. Then I have to find out how to get there and speedily prepare class. But apart from that, my day is quite like that of a regular teacher. I arrive at school ahead of time to get my things ready. I usually teach a couple of classes in the morning and then eat lunch with the other teachers in the staff room. After lunch, we have more classes. After classes have finished, I have to catch up on marking homework and writing notes for the regular teachers.

Student: How many hours a day do you work?

Teacher: Well, it feels like I'm starting early at six o'clock when I get my assignment even I'm not getting paid for that. My working day usually begins at eight-thirty and classes start at nine. Classes finish at three-thirty but I don't usually leave school until five.

Student: do you like about your job?

Teacher: I enjoy the variety. Every day, I can be at a different school, and can be teaching a different subject. I meet a lot of teachers and students. But I'm not so keen on getting up early, especially in winter.

(1) Which of the following words is best to fill in ~ ? Choose the best answer and mark the number on the answer sheet.

- | | | | | |
|---------------------------------|-----------|--------|----------|--------|
| <input type="text" value="13"/> | ① least | ② less | ③ more | ④ most |
| <input type="text" value="14"/> | ① at | ② for | ③ to | ④ with |
| <input type="text" value="15"/> | ① because | ② so | ③ though | ④ with |
| <input type="text" value="16"/> | ① How | ② What | ③ Which | ④ Why |

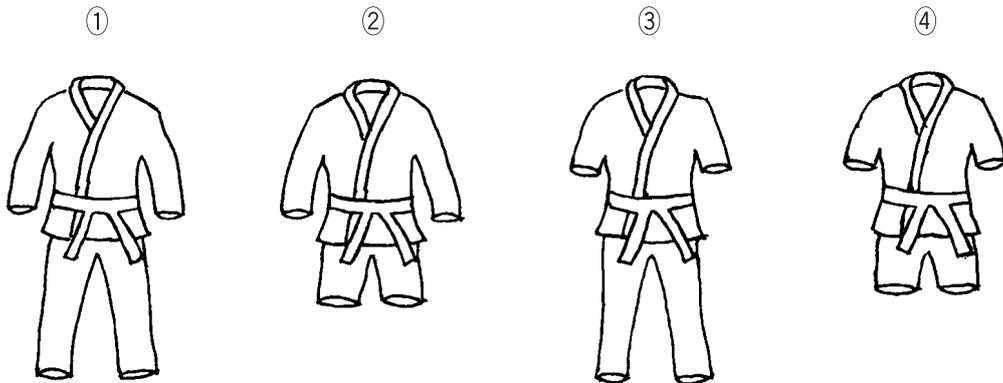
(2) Which of the following statements about the teacher is true according to the interview? Choose the best answer and mark the number on the answer sheet.

- ① She always teaches math classes.
- ② She teaches in the same location every day.
- ③ She always eats lunch with the students in the classroom.
- ④ She dislikes getting up early in winter.

(3) Which of the following people is most suitable to be a substitute teacher? Choose the best answer and mark the number on the answer sheet.

- ① Someone who is not able to get up early, hates having a varied work routine but does not mind children.
- ② Someone who does not mind getting up early, likes a varied work routine but cannot stand children.
- ③ Someone who hates getting up early, prefers a fixed working routine and does not like children.
- ④ Someone who has no problem getting up early, dislikes a fixed work routine and enjoys being with children.

- (2) 下線部2) The uniform top somewhat resembles a judo outfit with long sleeves, but the lower portion consists of shorts. に最も近いものを、次の中から1つ選び、その番号をマークせよ。 20



- (3) 本文の内容に合わないものを、次の中から1つ選び、その番号をマークせよ。 21

- ① One cricket match may take longer than a week to finish.
- ② *Sambo* allows players to use tough techniques which may cause some injuries.
- ③ *Takraw* is played between two teams with six players in total.
- ④ An Indonesian badminton gold medalist at the Olympics may find himself or herself a national sports star.

- (4) 本文の内容に合う国民的スポーツと国の正しい組み合わせを、次の中から1つ選び、その番号をマークせよ。 22

- ① American football — U.S.A.
- cricket — South Africa
- kick-boxing — Indonesia
- ② badminton — India
- American football — U.S.A.
- kick-boxing — Thailand
- ③ cricket — Australia
- kick-boxing — Thailand
- badminton — Indonesia
- ④ badminton — Indonesia
- cricket — England
- kick-boxing — New Zealand

V 次は、2016年11月15日付の電子楽器に関する新聞記事の抜粋である。次の英文を読み、下記の設問に答えよ。(配点 23)

If you want to try a new musical instrument, then an electronic one may be a good way to get started. Their prices are 23 reasonable, they are easy to learn and one may conveniently dial down the volume.

Roland Corp. last month released an electronic wind instrument. The saxophone-shaped device works on batteries and can reproduce the sounds of 40 different musical instruments, such as the saxophone, clarinet, violin and *shakuhachi* bamboo flute. At a recital in early September, a saxophone player said: “It’s easy to play the instrument and you can produce sounds just like a recorder. I’d recommend it for not only saxophone players but also beginners.”

Most electronic musical instruments generate synthetic sounds by sensing the motions of player’s fingers via in-built sensors 24, for example, under piano keyboards or saxophone keypads. Electronic instruments have evolved to their current state partly thanks to improved functions of the semiconductors used in sensors. A spokesperson for a major manufacturer said that these instruments approach the sounds of acoustic products and can now satisfy even quality-oriented adult players.

Electronic instruments are more affordable and more 25 than their acoustic counterparts. One company’s electronic piano is nearly half the price of a standard upright piano. It is about 70 percent as tall and deep, and its weight is no more than 30 percent of that of an ordinary piano. These factors increase its appeal for use even in apartment blocks or other types of housing complex.

Beginners are often concerned about the sounds of their practice bothering the neighbors. Such problems are solved with electronic instruments, as the volume can be adjusted downwards. Use of headphones further eases noise concerns and ① practice ② without ③ users ④ allows ⑤ to) hesitation even at night.

An electronic violin released by Yamaha Corp. plays at about one-tenth the volume of a standard violin. In April, Roland Corp. started selling an electronic drum kit with the volume produced by the bass drum more than 80 percent lower than that of a conventional one.

According to the Japan Musical Instruments Manufacturers’ Association, shipment-based domestic sales of domestic makers for fiscal 2015 were ¥52.4 billion — 20 percent lower than for fiscal 2006. Although sales of acoustic instruments fell by one-third to ¥26.5 billion, those of electronic instruments fell by only 4 percent to ¥25.9 billion.

An online survey, targeting 2,000 men and women aged 18 to 69 living in the Tokyo metropolitan area, found that 50.6 percent of respondents are not currently learning to play a musical instrument, despite expressing an interest. The reason cited by 60 percent of these respondents was lack of money and spare time in which to take lessons. Thus, it can be said that there are many potential instrument players.

2)

『The Japan News, Electronic musical instruments lower hurdles (2016年11月15日 掲載) をもとに作成』

(1) 空所 ～ に入る最も適切なものを、次の中からそれぞれ1つ選び、その番号をマークせよ。

① comparison ② compare ③ comparative ④ comparatively

① location ② located ③ locates ④ locate

① large ② wide ③ compact ④ tight

(2) 本文の内容に合うものを、次の中から1つ選び、その番号をマークせよ。

① The electronic instrument released by Roland Corp. is only for professional musicians.

② The use of headphones prevents people from enjoying musical instruments at night.

③ Domestic sales of musical instruments have been decreasing.

④ More than half of the people who responded to the online survey are now learning a musical instrument.

(3) 下線部1) (① practice ② without ③ users ④ allows ⑤ to) を、文脈に合うように並び替えて英文を完成し、3番目にくるものの番号をマークせよ。

(4) 下線部2) there are many potential instrument players の意味に最も近いものを、次の中から1つ選び、その番号をマークせよ。

① There are a lot of talented instrument players in action.

② There are many professional instrument players in poverty.

③ There are a lot of people who could start learning musical instruments.

④ There are many musical instrument players who want to own their own shops.