

英 語

(解答番号 ~)

I Read the sentences and complete each one with the most appropriate vocabulary item.

次の文（問1～3）の空所に入れるのに最も適当なものを、それぞれ下の①～④のうちから一つずつ選べ。

問1 Physics 101 is very demanding. Although the content is interesting, the instructor usually gives students a lot of every week, and they are expected to spend hours completing them. Every year, at least 10% of the students who take the course drop out.

- ① assignments ② instruments ③ boarders ④ excuses

解答 1 _____

問2 Thank you very much for your interest in presenting at our conference. We have reviewed your proposal and are pleased to inform you that you have been selected as one of the presenters for this year's conference. If, for any reason, you are unable to , please let us know as soon as possible.

- ① attend ② pretend ③ establish ④ diversify

解答 2 _____

問3 Kent is a very student. Since he wanted to make sure that he understood all the material and felt prepared for the final exam, he spent the entire weekend studying, barely taking any breaks.

- ① arrogant ② diligent ③ meaningful ④ unmotivated

解答 3 _____

Ⅱ Read the dialogs and complete each one with the most appropriate choice.

次の対話文（問4～6）の空所に入れるのに最も適当なものを、それぞれ下の①～④のうちから一つずつ選べ。

問4 (At an office)

A: Hey, wasn't Stacy here? I got a call for her from ABC Company.

B: Yes, but she just left for a staff meeting.

A:

B: She should be back in about 30 minutes.

- ① When will the meeting be over? ② Who will take part in the meeting?
③ What are they going to discuss? ④ Where is it going to take place?

解答 4 _____

問5 (In the school library)

A: Excuse me. I'd like to borrow this book, but I'm not sure what to do since it's my first time using this library.

B: That's OK. Do you have your library card with you today?

A: Yes, I do. Here it is. I just got it issued last week.

B: Perfect, thank you. I'll check this out for you. The due date is two weeks from today, so please make sure to return it by then.

- ① I don't think it's too easy. ② I doubt you can do that.
③ I can tell you how to book. ④ I can help you with that.

解答 5 _____

問6 (At school)

A: Mike, how have you been? It's been a while!

B: Hey, Jordan! Yeah, it's been a long time. How was your summer?

A: Yeah, we went to Hawaii. It was amazing—beautiful beaches and great food. How about you? What did you do over the summer?

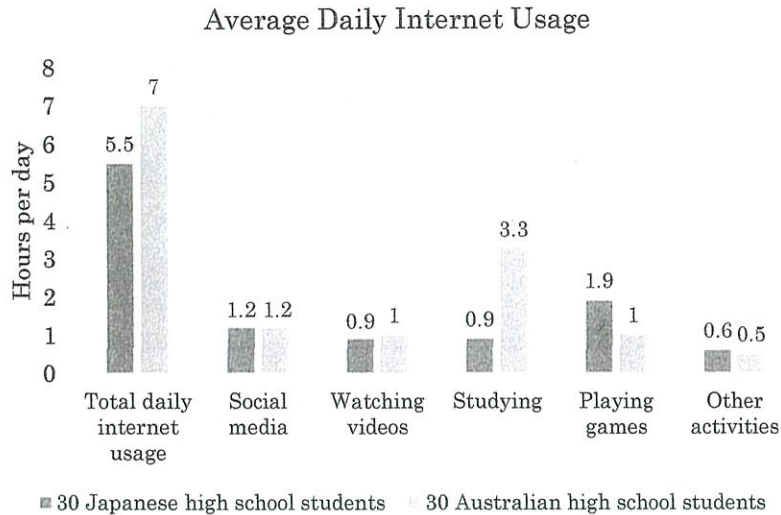
B: Nothing too exciting. I worked a part-time job to save up for university expenses.

- ① You went to Europe alone, right? ② I heard you went abroad for vacation.
③ This summer was so hot, wasn't it? ④ I bet you were busy working part-time.

解答 6 _____

III Read the graph and the passage, and answer the questions.

次の表と文章を読み、問の文（問7～10）の空所に入れるのに最も適当なものを、①～④のうちから一つずつ選べ。



Rikako's high school has a class where students communicate online with students in Australia every week. In this class, Japanese and Australian students form groups of six and discuss everyday issues. One day, while discussing how much time they spend on the internet and what they use it for, they noticed differences between the two countries. Therefore, they decided to conduct a survey, asking 30 classmates from each country about the amount of time they spend online and how they use it.

The survey found that Australian students spend more time on the internet than Japanese students, mainly due to the difference in how much time they use it for studying, as shown in the bar graph above. On average, Australian students spend 3.3 hours a day studying online, which is about three times as much as Japanese students. On the other hand, Japanese students spend an average of 1.9 hours a day playing games online, which is almost twice the amount of time spent by Australian students. Time spent on social media and watching videos is similar in both countries.

Using the results of the survey, Rikako had an online discussion with her group of Japanese and Australian students. She asked when, where and how the Australian students use the internet for studying since she doesn't use it much for that purpose herself. The Australian students explained that they frequently use the internet for research and reports both during and after class. In contrast, Rikako and her classmates tend to use their devices such as smartphones, tablets, or computers more for entertainment to relax after class. Rikako thought it was important to share how the Australian students are using the internet with her own class.

At the end of the discussion, Rikako's group became curious about internet usage in other countries as well. As a next step, they decided to conduct further research together.

問 7 The graph shows that .

- ① both Japanese and Australian students spend over 7 hours on the internet a day
- ② Japanese and Australian students spend less than 1 hour a day on social media
- ③ Australian students use the internet for studying more than Japanese students do
- ④ Japanese students don't play online games as much as Australian students

解答 7 _____

問 8 Rikako's group decided to carry out the survey because .

- ① they found differences in internet usage between Japanese and Australian students
- ② they were told to research internet usage for study purposes
- ③ they were interested in communicating with each other on the internet
- ④ they had a lot of knowledge about Japanese and Australian students' internet usage

解答 8 _____

問 9 Rikako found out that .

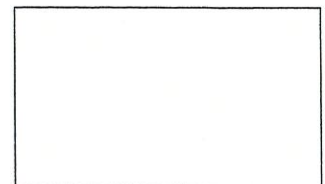
- ① Australian students rarely use the internet in class
- ② she and her classmates often study online during and after class
- ③ Australian students use the internet to write their reports
- ④ Australian students like using various devices to relax after studying

解答 9 _____

問 10 After discussing the survey results, Rikako and her group made up their minds to .

- ① share documents about the internet from websites with her class
- ② survey what students in other countries do on the internet
- ③ conduct a study on how their classmates use the internet
- ④ travel to other countries to investigate social media together

解答 10 _____



Ⅳ 以下の問い（問 1～20）について、解答を問いの下に書きなさい。

問 1 1973 年に採択された、絶滅のおそれのある動植物を保護するための条約を何と言うか。

問 2 半導体の材料などに使われる稀少金属を何と言うか。

問 3 統計法に基づき、総務大臣が国勢統計を作成するために、「日本国内の外国籍を含むすべての人及び世帯」を対象として実施されるものを何と言うか。

問 4 医療のデジタル化を推進する国の施策を何と言うか。

問 5 参議院議員の任期は何年か。

問 6 「慢性」の対義語を書きなさい。

問 7 「乖離」は何と読むか。ひらがなで書きなさい。

問 8 歯科医師が治療する部位で「コウクウ」を漢字で書きなさい。

問 9 サイコロを 2 つ同時に振るとき、2 つの目が同じ数になる確率を書きなさい。

問 10 単位時間当たりの速度の変化を何と言う。

問 11 太陽光線はいくつの色の可視光線からできているか。

問 12 不純物を取り除き、より純度の高い物質を得る操作を何と言うか。

問 13 分子間力の一つで、電荷を持たない中性の原子や分子間などで働く凝集力の総称を何と言うか。

問 14 細胞内で独自の DNA をもち、呼吸に関係する酵素をもつ糸粒体を何と言うか。

問 15 病原体に感染した細胞やがん細胞を認識し、その細胞を排除する役割をもつ細胞を何と言うか。

問 16 炭素の同素体を 1 つ書きなさい。

問 17 ヒトの血液凝固に必須のイオンは何か。

問 18 炭酸カルシウムの化学式を書きなさい。

問 19 人体に最も多く含まれる重金属の元素記号を書きなさい。

問 20 歯の構成要素のうち最外層の多くを占めるものは何か。

