

基礎素養検査

「英語」、「国語」、「現代社会」、「数学」の4科目から2科目を選択し、解答すること。

注意事項

1. 試験開始の合図があるまで問題冊子を開かないこと。
ただし、マーク記入上の注意は裏表紙にあるので、問題冊子を裏返して読んでおくこと。
2. 監督者の指示に従い、別紙解答用紙の所定欄に氏名、受験番号を記入すること。さらに受験番号の下のマーク欄に受験番号をマークすること。
3. 解答する科目を2つ選び、解答用紙の解答科目にマークすること。マークされていない場合、3科目以上にマークされている場合、または3科目以上を解答した場合は採点の対象にならないので注意すること。
解答用紙は表が「数学」、裏が「英語」、「国語」、「現代社会」となっている。
4. 解答はすべて、解答用紙の解答欄にマークすること。
5. 「数学」において分数形で解答が求められているときは、既約分数で答えること。根号を含む形で解答が求められているときは、根号の中に現われる自然数が最小となる形で答えること。
6. 試験時間は90分。出題科目、ページ数はつぎのとおり。

出題科目	ページ
英 語	1 ~ 11
国 語	13 ~ 29
現代社会	31 ~ 50
数 学	51 ~ 55

※裏表紙に続く。

英 語

第1問 次の英文の空欄に最も適切なものを一つ選べ。

1 He () in Tokyo for two years before moving to Osaka last year.

- ① had lived ② has lived ③ lives ④ is living

2 You () be joking. I can't speak Chinese.

- ① can ② should ③ must ④ are able to

3 Speaking English is not as () as he said.

- ① easier ② easily
③ the easiest ④ easy

4 This is () he told me yesterday.

- ① whom ② what ③ which ④ that

5 The library is open every day () Sunday.

- ① on ② during ③ except ④ unless

6 Our flight () because of the bad weather.

- ① was cancelled ② cancelled
③ will cancel ④ is cancelling

7 It's difficult for me () this job by myself.

- ① of finishing ② finishing
③ finish ④ to finish

8 () too much dessert is bad for your health.
① Eating ② Eat ③ Eats ④ Have eaten

9 You must choose () math or English for your examination.
① neither ② either ③ nor ④ both

10 Do you think that is a good excuse for () your homework?
① don't do ② haven't done
③ not doing ④ not done

第2問 次の会話文の空欄に最も適切なものを一つ選べ。

11

A : What do you think about climate change?

B : It is a big problem. (), there is still time to limit global warming.

- ① Unfortunately
- ② Besides
- ③ However
- ④ Therefore

12

A : I called customer support on the phone, but they didn't answer.

B : () don't you try again tomorrow?

- ① What if
- ② Why
- ③ How much
- ④ When

13

A : We have a problem.

B : ()?

A : The projector in the classroom is broken.

- ① Who says that
- ② How much is it
- ③ What sort of problem
- ④ When did you find out

14

A : I got a score of 100 in the English proficiency test.

B : (). How did you do that?

A : I studied every day.

- ① I can't believe it
- ② I don't care
- ③ I think so
- ④ I agree

15

A : Can you organize a birthday party for Mr. Johnson?

B : No problem. ().

- ① I never thought I could do it
- ② I have done it before
- ③ I take your point
- ④ I don't think so

第3問 次の(1), (2)の英文を読んで, 空欄に最も適切なものを一つ選べ。

(1) **70 to 80% of People Refuse Plastic Bags Since a Charge was Introduced, Says the Ministry of the Environment**

Since introducing a charge for plastic bags in July of 2020, the percentage of people refusing them at supermarkets and such has to 80%, according to a report by the Ministry of the Environment. One estimate suggests that the volume of plastic bags in actual circulation has declined by 35%. The ministry believes that introducing a charge has had a effect on reducing the use of plastic bags.

Single-use plastics such as plastic bags have a large environmental in terms of global warming, because they emit greenhouse gases when burned and also have a harmful effect on the ecosystems of fish, birds, and other animals when the spills into the ocean. The Ministry of the Environment introduced the charge in July 2020, as a change in consumer was necessary to reduce the use of plastic bags.

【出典：日経 LissN 編集部『日経 LissN 2021年上半期 注目ニュース100』

InteLingo 株式会社, 2021。ただし, 出題のために一部改変した。】

- | | | | | |
|---------------------------------|---------------|---------------|--------------|------------|
| <input type="text" value="16"/> | ① converted | ② risen | ③ forecasted | ④ compared |
| <input type="text" value="17"/> | ① protective | ② significant | ③ special | ④ negative |
| <input type="text" value="18"/> | ① performance | | ② ability | |
| | ③ impact | | ④ change | |
| <input type="text" value="19"/> | ① element | ② waste | ③ poison | ④ gas |
| <input type="text" value="20"/> | ① feeling | ② view | ③ confidence | ④ behavior |

(2) **FamilyMart Preps*1 1,000 Unstaffed*2 Stores**

Convenience store operator FamilyMart looks to open about 1,000 unstaffed shops by the end of fiscal 2024 [21] the same products as the chain's regular outlets.

Japan loosened regulations last year that required stores to have employees on staff. The country's labor shortage is becoming serious as the population [22] to decline, and more businesses are improving their operational efficiency using digital technology.

Japan's labor productivity [23] the lowest among the G7*3 and only 21st among the 37 members of the OECD*4.

Payment systems are another [24] element of automated stores. FamilyMart will use artificial intelligence-equipped ceiling cameras*5 as well as weight sensors on the shelves*6 to monitor which products a customer [25]. When customers stand in front of a payment terminal, the product names and prices are displayed on a monitor, and they pay electronically or with cash.

【注】 * 1. prep 準備する

* 2. unstaffed 無人の

* 3. G7 (Group of Seven) 先進7カ国

* 4. OECD (Organization for Economic Cooperation and Development)
経済協力開発機構

* 5. artificial intelligence-equipped ceiling camera(s) 人工知能 (AI)
を搭載した天井カメラ

* 6. shelves 棚 (shelf) の複数形

【出典：日経 LissN 編集部『日経 LissN 2021年下半期 注目ニュース100』

InteLingo 株式会社, 2022。ただし, 出題のために一部改変した。】

- | | | | | |
|----|--------------|------------|-------------|------------|
| 21 | ① developing | | ② making | |
| | ③ using | | ④ offering | |
| 22 | ① continues | ② refers | ③ leads | ④ appears |
| 23 | ① takes | ② has | ③ ranks | ④ moves |
| 24 | ① rejected | ② coupling | ③ important | ④ similar |
| 25 | ① views | ② wants | ③ picks up | ④ receives |

第4問 次の英文を読んで、以下の問いに答えよ。

In the 1860s, a creative engineer named John Roebling had the surprising idea of building an enormous bridge 26 the East River connecting New York with Brooklyn. Nothing like it had ever been tried before, and many bridge-building experts claimed that it was an impossible task. They told Roebling to forget the idea. The engineering was too difficult, and the river was much too wide.

Roebling did not listen. He thought about the bridge all the time. He could see in his head how it had to be built, and he wanted to try. But first he needed help. Roebling began talking about the project with his son Washington. Washington was an up-and-coming engineer as well, and after some discussion he decided to join his father. Working together, the father and son developed several new ways that such a long bridge could be made strong enough to carry so much weight. Full of excitement for the challenge ahead of them, the two Roeblings hired a crew. Then they began to measure the land and choose the exact place 27 the bridge would stand.

Unfortunately, early in the project, John Roebling was injured in an accident. At first, his injury seemed minor, but soon, it caused an infection which became worse and worse. The infection took John Roebling's life, but before he died, he put Washington in charge of the Brooklyn Bridge project. Sadly, Washington's luck was not much better. Only three years after his father's death, Washington also became ill and, as a result, was forced to stay in bed. Unable to leave the house, Washington was only able to watch the bridge being built through a telescope at his window. And the project wasn't even close to being finished.

Washington's wife, Emily Roebling, became both his nurse and his

assistant. Emily fought her husband's right to continue as chief engineer for the bridge project. She helped to convince everyone that Washington was still able to do the engineering work that the bridge needed. With Washington's help, Emily studied engineering and mathematics until she too had become an expert. She traveled back and forth from the bridge, giving Washington's ^(c)instructions to the workers, and returning to Washington with information about the bridge's progress.

For the next 11 years, Washington and Emily worked together to finish the Brooklyn Bridge. Emily spoke to workers, politicians and engineers, and earned the respect of many people. When the bridge was ^(d)opened in 1883, Washington wasn't able to go to the opening ceremony. However, he watched with pride as his wife became the very first person to cross the bridge. Today the beautiful Brooklyn Bridge stands as a symbol of patience and perseverance. It started only as John Roebling's dream. Yet, despite the accidents and setbacks, the bridge was eventually built through hard work, the understanding and drive of a family, and the love that held them together even in difficult times.

【出典：ちょっといい話制作委員会 “Determination and Persistence” アルク，2021年。ただし，出題のために一部改変した。】

問1 空欄 ・ ・ ・ に入る最も適切なものを一つ選べ。

- | | | | | |
|---------------------------------|-------------|-------------|--------------|-----------|
| <input type="text" value="26"/> | ① between | ② excluding | ③ across | ④ except |
| <input type="text" value="27"/> | ① when | ② where | ③ how | ④ who |
| <input type="text" value="28"/> | ① for | ② as | ③ to | ④ so |
| <input type="text" value="29"/> | ① extremely | ② wrongly | ③ frequently | ④ finally |

問2 下線部(a)~(d)に最も意味の近いものを一つ選べ。

- | | | | |
|----|-----|----------------|--------------|
| 30 | (a) | ① contrary | ② huge |
| | | ③ fundamental | ④ moderate |
| 31 | (b) | ① rare | ② surprising |
| | | ③ near | ④ gradual |
| 32 | (c) | ① president | ② teacher |
| | | ③ psychologist | ④ specialist |
| 33 | (d) | ① obtained | ② examined |
| | | ③ destroyed | ④ submitted |

問3 本文の内容として最も適切なものを一つ選べ。 34

- ① John Roebling decided to start the project with his wife and son to save on costs.
- ② Washington was happy to join his father's project because he didn't have any jobs in engineering.
- ③ Bridge-building experts suggested that John Roebling should forget about building the bridge.
- ④ Unfortunately, John Roebling was killed in a traffic accident just before finishing the project.

問4 本文の内容として最も適切なものを一つ選べ。 35

- ① Washington and Emily were very proud that they were the first to cross the bridge.
- ② Emily only concentrated on helping her husband as a nurse.
- ③ An assistant who was hired by Washington reported on the bridge's progress.
- ④ Washington could not leave his house to work after getting ill.

問5 本文のタイトルとして最も適切なものを一つ選べ。

36

- ① The Story of a Politician
- ② The Great Achievement of a Family
- ③ The New Technology for Bridges
- ④ The Development of Engineering Skills