

1. 次の英文を読み、それに続く設問 **A-1** から **A-5** までに答えなさい。解答は、それぞれの設問に続く選択肢 1 から 3 までの中から答えとして最も適切なものを一つずつ選び、その番号のマーク欄を塗りつぶしなさい。

A small part of Antarctica turned green Saturday as the ice-covered continent's biggest wind farm, which can generate enough electricity to power 500 homes, was formally switched on.

The joint New Zealand-U.S. project's three huge turbines will provide 11 percent of the power needed to run the two nations' science bases on Antarctica's Ross Sea coast, cutting greenhouse gas output, lowering fossil fuel use and reducing the risk of fuel spilling in the continent's pristine environment, officials said.

The \$ 11 million wind farm is on Crater Hill, halfway between the United States' McMurdo Station and New Zealand's nearby Scott Base.

Noting the two countries share a commitment to increasing the world's use of renewable energy resources, New Zealand Foreign Minister Murray McCully said it was "fitting we have worked so hard together to get this wind farm up and running in Antarctica, one of the world's most pristine and fragile environments."

The farm has a power output of about 1 megawatt and could cut annual diesel use at the bases by 460,000 liters and reduce annual carbon dioxide output by 1,370 tons, said Alan Seay, spokesman for New Zealand's Meridian Energy, which installed the turbines.

Site work began in November 2008, when large precast concrete foundations were lowered into the ground and water was poured in to freeze them in place.

Each of the towers is designed to withstand wind gusts of up to 205 kph.

〈注〉 fossil 化石の kph kilometers *per hour* の略語 時速・・・キロ

precast (コンクリートが) 建築用に成型された pristine 原始時代の 俗化していない

(設問)

- A-1** What environmental change took place in a small part of Antarctica?
1. Environmentally friendly wind turbines started operation.
 2. A wind farm was switched on to power 500 homes.
 3. New Zealand and the United States started a green, wind-powered vegetable farm.
- A-2** What will the main power source for the two nation's bases on Antarctica be for the time being?
1. Wind.
 2. Fossil fuel.
 3. Greenhouse gas.
- A-3** What benefits does this farm bring to the area?
1. It can produce electric power and reduce the output of CO₂ and consumption of diesel.
 2. It can generate electric power and produce CO₂ by running a diesel engine.
 3. It can reduce CO₂ emissions and fuel by using solar power.
- A-4** Why have the two countries built the farm?
1. To use more fossil fuel.
 2. To produce CO₂ to heat the ice-covered continent.
 3. To protect the environment by cutting fuel use and harmful emissions.
- A-5** Which of the following statements is true?
1. Power generation began in November 2008.
 2. The bases could save 460,000 liters of diesel fuel a year.
 3. The towers of the farm are not strong enough to stand up to strong winds of 205 kph.

2. 次の英文 **A-6** から **A-9** までは、海上移動業務で守らなければならない事項に関する国際文書の規定の趣旨に沿って述べたものである。この英文を読み、それに続く設問に答えなさい。解答は、それぞれの設問に続く選択肢 1 から 3 までの中から答えとして最も適切なものを一つずつ選び、その番号のマーク欄を塗りつぶしなさい。

A-6 The distress alert may also contain information regarding the nature of the distress, the type of assistance required, the course and speed of the mobile unit, the time that this information was recorded and any other information which might facilitate rescue.

(設問) Which of these statements is true?

1. The distress alert should not contain much information.
2. The distress alert can include all information except the type of assistance required.
3. The distress alert can contain any information that is helpful for the rescue operation.

A-7 The radio operator performing radio watchkeeping duties shall ensure that watch is maintained on the frequencies specified in the Radio Regulations and the SOLAS Convention.

(設問) What is the duty of a radio operator on watch?

1. He should learn the radio rules well.
2. He should keep watching on the frequencies in accordance with the relevant rules.
3. He should keep watch on the handbooks of the Radio Regulations and the SOLAS Convention.

A-8 On receiving an urgency message, the radio operator on watch should alert the master and, if appropriate, the radio operator designated as having primary responsibility for radiocommunications during distress incidents.

(設問) What should the radio operator on watch do when he receives an urgency message?

1. Alert the operator responsible for distress incidents.
2. Let the master know and, in some cases, also the radio operator who has responsibility for radiocommunications during distress incidents.
3. Alarm the master and, if the situation permits, the radio operator who stands by for distress incidents.

A-9 In areas where reliable communications with one or more coast stations are practicable, ship stations in receipt of a distress alert or a distress call from another vessel should defer acknowledgement for a short interval so that a coast station may acknowledge receipt in the first instance.

(設問) What should the ship stations do when they receive a distress alert or a distress call from another vessel?

1. They should delay sending an acknowledgement to the vessel for a while in order to allow a coast station to do so first.
2. They should send a distress message to the specified coast station after a short interval.
3. They should send an acknowledgement to the vessel sending the distress alert or distress call immediately.

3. 次の設問 **B-1** の日本文に対応する英訳文の空欄（ア）から（オ）までに入る最も適切な語句を、その設問に続く選択肢 1 から 9 までの中からそれぞれ一つずつ選びなさい。解答は、選んだ選択肢の番号のマーク欄を塗りつぶしなさい。

（設問）

- B-1** 私は年に一、二度休暇で帰郷する。田舎は空気が新鮮で澄んでいる。そこでは、自分に合ったペースで、時間にとらわれない、自由に気ままな生活を楽しむことができる。

I return to my old home for a holiday (ア) or twice (イ) year. The air is fresh and (ウ) in the countryside. There is no (エ) of time, and I can have the freedom to enjoy life (オ) my own pace.

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|--------|-------------|----------|----------|---------|
| 1. a | 2. at | 3. clear | 4. force | 5. once |
| 6. one | 7. pressure | 8. the | 9. with | |

4. 次の設問 **B-2** の日本文に対応する英訳文の空欄（ア）から（オ）までに入る最も適切な語句を、その設問に続く選択肢 1 から 9 までの中からそれぞれ一つずつ選びなさい。解答は、選んだ選択肢の番号のマーク欄を塗りつぶしなさい。

（設問）

- B-2** 今年 2 月にチリの沖合で起きた大地震は、チリに甚大な被害をもたらしたが、遠く離れた日本の東北地方も地震によって発生した津波によって大きな被害を受けた。漁業関係の被害は、60 億円を超えると見積もられている。

The massive (ア) earthquake in Chile in February this year caused (イ) suffering in Chile and the tsunami even caused serious damage in the (ウ) Tohoku region of Japan, where the (エ) to fisheries have been (オ) at more than 6 billion yen.

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|------------------|------------|------------|--------------|------------|
| 1. coaster | 2. decided | 3. distant | 4. estimated | 5. extreme |
| 6. long separate | 7. lose | 8. losses | 9. offshore | |

5. 次の設問 **B-3** の日本文に対応する英訳文の空欄（ア）から（オ）までに入る最も適切な語句を、その設問に続く選択肢 1 から 9 までの中からそれぞれ一つずつ選びなさい。解答は、選んだ選択肢の番号のマーク欄を塗りつぶしなさい。

（設問）

- B-3** 船舶には、主電源及び非常電源が故障した場合に、遭難及び安全に関する無線通信を行うために無線設備に給電する補助電源を備える。

A reserve source or sources of energy shall (ア) on every ship, to supply radio installations, (イ) the purpose of (ウ) distress and safety radiocommunications, (エ) the event of (オ) of the ship's main and emergency sources of electrical power.

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|--------|-----------------|---------------------|---------------|------------|
| 1. at | 2. be preparing | 3. be provided | 4. conducting | 5. failure |
| 6. for | 7. in | 8. misunderstanding | 9. receiving | |