

航空無線通信士「英語」試験問題

5問 1時間30分

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 new clue in one of the 20th century's biggest mysteries could uncover the fate of Amelia Earhart, who famously went missing over the South Pacific 75 years ago. Analysis of a photograph taken just months after Earhart's plane vanished shows what may be the landing gear of the aircraft off the remote island of Nikumaroro. Historians and scientists from The International Group for Historic Aircraft Recovery are returning to the island in July in the hope of finding the wreckage of Earhart's plane. They also hope that they may even find the remains of the pilot and her navigator, Fred Noonan.

Ric Gillespie, executive director of the group, acknowledged that the evidence was "circumstantial" but "strong." Although fairly optimistic, he would not predict success. The new search is scheduled to last for 10 days in July. "The most important thing is not whether we find the ultimate answer or what we find, it is the way we look," he said.

Earhart and Noonan disappeared July 2, 1937, while flying from New Guinea to Howland Island as part of her attempt to become the first female pilot to circumnavigate the globe. Searches at the time uncovered nothing and many historians are convinced that they crashed into the ocean. Gillespie's group believes Earhart and Noonan may have managed to land on a reef near a place then known as Gardner Island and survived for a short time. They conclude that the plane was washed off the reef by high tides shortly after the landing and that the wreckage may be found in the deep waters nearby.

Their previous visits to the island have recovered objects that could have belonged to Earhart and Noonan. These objects suggest that they might have lived there for days or weeks. Now, they have the new analysis of the October 1937 photo of the shoreline of the island. Experts say an object sticking out of the water in the lower left corner of the black-and-white photo could be the strut and wheel of a Lockheed Electra landing gear. Renowned oceanographer Robert Ballard, who discovered the wreckage of the Titanic and the Bismarck, said the new analysis of the photograph could be the equivalent of a "smoking gun."

<注> **strut** 支柱 **smoking gun** 目に見えるような確実性の高い証拠

(設問)

A-1 What do the experts believe that the photograph shows?

1. The exact place where the plane crashed in the South Pacific 75 years ago.
2. A part of the aircraft that went missing.
3. The remains of Earhart and her navigator.

A-2 How does Ric Gillespie feel about the new evidence?

1. He is sure that it will help his team solve the mystery of what happened to Earhart.
2. He doesn't believe that the new evidence is very strong.
3. He thinks the evidence may help them solve the mystery but he is not completely sure.

A-3 Which of the following best summarizes Ric Gillespie's attitude toward the search in July?

1. It is essential that they find the answer to the mystery.

2. The results of their search will not be as important as the methods they use.
3. He believes that 10 days is not enough for the search to succeed.

A-4 Where does Gillespie's team believe Amelia Earhart and her navigator landed?

1. They almost certainly crashed into the ocean.
2. They may have landed close to a place known as Gardner Island and lived there for a short time.
3. Their plane probably landed in deep waters near New Guinea

A-5 What did the team find on their previous visits to the island?

1. They found various items that may have belonged to Earhart and Noonan.
2. They found a smoking gun that was part of the plane.
3. They found an old black-and-white photo of Earhart's plane

2. 次の英文 A-6 から A-9 までは、航空通信に関する国際文書の規定文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 With the selective calling system known as SELCAL, the voice calling is replaced by the transmission of coded tones to the aircraft over the radiotelephony channels.

(設問) What is SELCAL?

1. It is a system that uses coded tones instead of voice calling.
2. It is a system for selecting the appropriate radiotelephony channels to use for transmission.
3. It is a system for replacing coded tones with voice calling from an aircraft.

A-7 Should the pre-flight check reveal that either the ground or airborne SELCAL installation is inoperative, the aircraft should maintain a continuous listening watch on its subsequent flight until SELCAL again becomes available.

(設問) What should be done if the pre-flight check finds the SELCAL installation to be faulty?

1. The aircraft must not make any flights until SELCAL becomes available again.
2. The inoperative SELCAL must be uninstalled from the aircraft immediately.
3. On the flight after the check, the aircraft should keep a continuous listening watch until it can be used again.

A-8 As soon as the aircraft station has received the bearing, heading or position, it shall repeat back the message for confirmation or correction.

(設問) What must an aircraft station do upon receiving the bearing, heading or position?

1. It must wait for any corrections to the message.
2. It must repeat back the original message.

3. It must confirm that no message has been received.

A-9 When an aircraft station is unable to establish communication due to receiver failure, it shall transmit reports at the scheduled times, or positions, on the channel in use, preceded by the phrase "TRANSMITTING BLIND DUE TO RECEIVER FAILURE".

(設問) In which situations should an aircraft station use the phrase "TRANSMITTING BLIND DUE TO RECEIVER FAILURE"?

1. This phrase should be used at the end of a message.
2. This phrase can be used when visibility is very poor for the aircraft station.
3. This phrase is used before sending reports at the designated times and positions when unable to receive messages.

3. 次の設問 B-1 の日本語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 小惑星イトカワへの往復 7 年の旅を終え、地球に帰還した日本の無人宇宙探査機「はやぶさ」は、月以外の天体からサンプルを持ち帰った初めての宇宙船として、ギネス世界記録に認定された。このサンプルは、電子顕微鏡でしか見ることができないものであるが、このサンプルから宇宙の謎を解明する手がかりが見つかるかも知れない。

Japan's unmanned space probe Hayabusa, which (ア) a seven-year round trip to the Itokawa asteroid, has been listed in the Guinness Book of Records (イ) the first space vessel to bring samples (ウ) from a celestial body (エ) the moon. Though these samples can only be seen by electron microscope, they may provide (オ) to mysteries of the universe.

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|-------------|--------------|-----------|
| 1 as | 2 back | 3 clues |
| 4 completed | 5 other than | 6 settled |
| 7 solution | 8 to | 9 without |

4. 次の設問 B-2 の日本語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 日本の地方空港の経済情勢は厳しいが、事業の活性化を試みている空港も少なくない。たとえば、全面的にリニューアルされた北海道のある主要な空港には、飛行機利用者だけでなく、地元の人たちが利用できるシネ

コン、温泉、テーマパークがある。

Times may be (ア) for Japan's local airports but even so (イ) are (ウ) big efforts to increase their business. In Hokkaido, for example, a (エ) airport has been fully refurbished with a cinema complex, spa and theme park for use by (オ) passengers and residents.

- | | | |
|---------------|----------|--------------|
| 1 between | 2 both | 3 hard |
| 4 major | 5 making | 6 only a few |
| 7 quite a few | 8 strong | 9 trying |

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 飛行中の航空機局及び航空機地球局は、航空機の安全及び正常な飛行に不可欠な通信上の必要性を満たすために業務を維持し、また、権限のある機関が要求する聴守を維持する。さらに、航空機局及び航空機地球局は、安全上の理由がある場合を除くほか、関係の航空局又は航空地球局に通知することなく聴守を中止してはならない。

Aircraft stations and aircraft earth stations (ア) flight shall maintain service to (イ) the essential communications needs of the aircraft with respect (ウ) safety and regularity of flight and shall maintain watch as required by the competent authority and shall not cease watch, (エ) for reasons of safety, (オ) informing the aeronautical station or aeronautical earth station concerned.

- | | | |
|------------|------|-----------|
| 1 although | 2 at | 3 except |
| 4 expect | 5 in | 6 meet |
| 7 see | 8 to | 9 without |