

第二級総合無線通信士「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黒く塗りつぶしなさい。

Explorers have recently found that a cave in the eastern part of the Czech Republic is the world's deepest flooded fissure, going at least 404 meters (1,325 feet) down.

Polish explorer Krzysztof Starnawski, who led the team, said on Friday that he felt like a "Columbus of the 21st century" to have made the discovery near the Czech town of Hranice.

Starnawski, 48, determined Tuesday that the flooded limestone Hranice Abyss (Hranicka Propast), which divers have explored for decades in its upper parts, is at least 404 meters deep. He scuba dived to a narrow slot in the rock formation at 200 meters down, then sent a remotely operated underwater robot that went to the depth of 404 meters — the maximum length of its cord — but still did not hit the bottom.

In 2015, Starnawski passed through the slot and went to 265 meters down without reaching the cave's bottom, which made him want to do more exploring. But after diving that far down, he had to spend over six hours in a decompression chamber, and decided he needed a robot instead.

Speaking on the phone from his home in Krakow, southern Poland, Starnawski said Tuesday's discovery makes Hranice Abyss the world's deepest known underwater cavity, beating the previous record-holder, a flooded sinkhole in Italy called Pozzo del Merro, by 12 meters (39 feet).

The Czech Speleological Society said it thinks the cave is even deeper and will yield additional records. When the robot was 404 meters deep, "it was as deep as its rope could go, but the bottom was still nowhere in sight," the society said.

<注> fissure 裂溝 limestone 石灰石 decompression chamber 減圧室 sinkhole 石灰岩台地の陥没による穴
speleological 洞窟学の

(設問)

A-1 How did Krzysztof Starnawski feel after having discovered the world's deepest underwater cavity in the eastern part of the Czech Republic?

1. He said that he felt like a "Columbus."
2. He remembered Columbus had discovered the cave a long time ago.
3. He felt disappointed to have found the cave was not so deep as he imagined.

A-2 How has Starnawski recently explored the cave to measure its depth?

1. He reached the cave's bottom by himself.
2. He asked other divers to explore the upper parts and then used a remotely operated underwater robot.
3. He scuba dived down to 200 meters and then used a remotely operated underwater robot from there.

A-3 What was discovered in the 2015 exploration?

1. That the bottom was more than 265 meters deep.
2. Starnawski set a world scuba diving record of over 404 meters.
3. That Pozzo del Merro was 12 meters (39 feet) deeper than Hranice Abyss.

A-4 What did the Czech Speleological Society say about the depth of the cave?

1. It said the cave was deeper than 404 meters.
2. It said the cave was 404 meters at its deepest point.
3. It said the cave was less than 404 meters deep.

A-5 Which of the following statements is true according to the article?

1. The researchers found the cave's depth when the robot hit the bottom.
2. In this exploration, Starnawski lowered the robot as far as its rope could go.
3. This was the first time divers had explored the flooded limestone Hranice Abyss.

2. 次の英文A-6からA-9までは、無線通信業務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黒く塗りつぶしなさい。

A-6 The service of a ship station is placed under the supreme authority of the master or of the person responsible for the ship or other vessel carrying the station. The person holding this authority shall require that each operator should comply with the Radio Regulations and that the ship station for which the operator is responsible is used, at all times, in accordance with the Radio Regulations.

(設問) What does the above Regulation specify about what the person with this authority shall require?

1. The person with this authority shall require that enough operators should be employed as laid down in the Regulations.
2. The person with this authority shall require each operator to use the radio station in the manner laid down in the Regulations.
3. The person with this authority shall require that the ship's manufacturer should install radio stations in accordance with the Regulations.

A-7 Every ship shall be provided with a satellite emergency position-indicating radio beacon which shall be capable of floating free if the ship sinks and of being automatically activated when afloat.

(設問) What capability or capabilities should the satellite emergency position-indicating radio beacon have?

1. The radio beacon should be capable of keeping the ship afloat.
2. The radio beacon should be capable of being activated automatically before it sinks.
3. The radio beacon should be capable of floating free and working without manual activation if the ship goes down.

A-8 Certificates shall be in the official language or languages of the issuing country. If the language used is not English, the text shall include a translation into that language.

(設問) In what language shall the texts of certificates be written?

1. Certificates shall only be issued or endorsed in countries where English is the official language.
2. Certificates shall be written only in English if they are issued in countries whose official language is not English.
3. Certificates shall be written in the official language or languages of the issuing country with an English translation attached when English is not used.

A-9 A pilot who for any reason becomes apprehensive for the safety of the flight should immediately report the encountered difficulty and his or her intention to the ATC controller and request assistance by radio communications, radar pick-up or any other practical means.

(設問) When a pilot becomes apprehensive for the safety of the flight, which of the following actions is NOT included in the above description?

1. The pilot should look for other aircraft by radar.
2. The pilot should inform the ATC controller of the difficulty.
3. The pilot should ask the ATC controller for help by any available method.

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黒く塗りつぶしなさい。

(設問)

B-1 日本の技術者グループは、位置情報のためのGPS受信機と緊急の救助を必要としている生存者のビデオ映像用のカメラが付いたベストを救助犬が着るというロボドッグシステムを開発した。犬は人を発見することができるが、救助隊が救助の優先度を判断しなければならないと、リーダーは説明している。

A group of Japanese engineers has (ア) a Robo-Dog system (イ) the rescue dog wears a vest with a GPS receiver for locational information and a camera for video footage of survivors (ウ) urgent help. The leader explains that dogs can find people (エ) that the rescue teams must decide the order of rescue (オ).

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| 1. but | 2. developed | 3. goods |
| 4. in need of | 5. offering | 6. priority |
| 7. progressed | 8. where | 9. which |

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黒く塗りつぶしなさい。

(設問)

B-2 船舶自動識別装置(AIS)は、もともと大型船の安全のために導入された。船舶のAISは船舶の位置を自動的に送信し、その位置情報は、他の船舶によって受信され、レーダーと同じように表示される。AISは今や小型船舶にも用いられている。

The Automatic Identification System (AIS) was originally (ア) for the safety of large vessels. A ship's AIS (イ) transmits the ship's location, (ウ) is received by other ships and displayed in the same manner (エ) radar. AIS is now used (オ) by small vessels.

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| 1. as | 2. automatically | 3. even |
| 4. introduced | 5. manually | 6. unlike |
| 7. welcome | 8. which | 9. who |

5. 次の設問B-3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黒く塗りつぶしなさい。

(設問)

B-3 旅客船において、遭難アラームパネルは操舵を指揮する場所に設置されなければならない。この遭難アラームパネルは、船上で受信した遭難警報を視覚的かつ聴覚的に示すとともに、その遭難警報がどの無線通信業務を通じて得たものかを示すものでなければならない。

In passenger ships, a distress alarm panel shall be installed (ア) the conning position. The distress alarm panel shall provide (イ) and aural indication of any distress alert or alerts received on (ウ) and shall also indicate (エ) which radiocommunication service the distress alerts (オ) been received.

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| 1. aboard | 2. at | 3. audible |
| 4. board | 5. has | 6. have |
| 7. near | 8. through | 9. visual |