

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。

Mexican experts have discovered that the main pyramid at the Mayan ruins of Chichen Itza is at least partially built atop an underground river.

Experts from Mexico's National Autonomous University said they found an underground cavity about 20 meters deep below the pyramid of Kukulcan, also known as El Castillo.

Geophysics expert Rene Chavez said Thursday the underground river chamber is naturally covered by rock. Such rivers often connect the open cenotes that dot Mexico's Yucatan Peninsula.

The discovery was made using an electrical resistance survey, not by excavating. Chavez said one corner of the pyramid rests on the underground chamber, so it is in danger of collapsing.

Archaeologist Guillermo de Anda said the discovery was important, as it may confirm that the Maya included symbolic maps of their cosmology in their temples and sacred sites.

The cenotes that surround the pyramid could represent the four points of the compass. The river at the center might represent the center of the Mayan universe, which they thought of as a tree with roots reaching below ground.

Also Thursday, the National Institute of Anthropology and History said research at another Mayan site, Uxmal, found an unusually high number of medicinal plants growing in an apparent garden near the structure known as the governor's palace.

<注> National Autonomous University 国立自治大学 geophysics 地球物理学 chamber 空洞
cenote ユカタン半島の低平な石灰岩地帯に見られる陥没穴に地下水が溜まった天然の井戸、泉のこと
archaeologist 考古学者 cosmology 宇宙学 anthropology 人類学

(設問)

A-1 How did Mexican experts make the discovery of an underground river cavity?

1. They found it after digging up the pyramid.
2. They discovered it by means of electrical resistance.
3. They happened to make the discovery when they surveyed the soil inside the pyramid.

A-2 What does Rene Chavez say about the state of the pyramid of Kukulcan?

1. There is a danger that it may fall down.
2. It is well-maintained by Mexican experts.
3. Every corner of the pyramid lies on the underground chamber.

A-3 What could the cenotes that surround the pyramid represent?

1. They could represent the center of the Mayan universe.
2. They could explain symbolic maps of the Mayan cosmology.
3. They could stand for four directions.

A-4 How many medicinal plants were found at Uxmal?

1. A large quantity of medicinal plants was found there.
2. Not many medicinal plants were found there.
3. The amount found there has declined year by year.

A-5 Which statement is true according to the article?

1. Mexico's Yucatan Peninsula is not dotted with open cenotes.
2. The main pyramid of Chichen Itza was entirely built atop an underground river.
3. The underground river at the center could have been thought of as a tree by the Maya.

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 Any aeronautical station or aircraft knowing of an emergency incident should relay the MAYDAY or transmit a distress message whenever immediate action is necessary to obtain assistance for the person, aircraft, or vessel in distress.

(設問) When an aeronautical station or aircraft discovers an emergency incident and immediate assistance is required, what should it do to help the person or mobile unit in distress?

1. It should immediately either relay the MAYDAY or transmit a distress message.
2. It should always relay the MAYDAY and transmit a distress message at the same time.
3. It should relay the MAYDAY or transmit a distress message immediately after the emergency incident is over.

A-7 Stations participating in MF DSC watchkeeping in the GMDSS should provide as complete a coverage of their immediate sea area as possible and be in continuous operation.

<注> DSC=Digital Selective Calling GMDSS=Global Maritime Distress and Safety System

(設問) How should stations cover their immediate sea area when engaged in MF DSC watchkeeping in the GMDSS?

1. They should only cover their immediate sea area partially.
2. They should cover their immediate sea area continuously and as fully as possible.
3. They should cover the designated sea area only when requested to keep watch.

A-8 When wreckage is located, it usually consists of debris, possibly with an oil slick. Should this have come from the distressed craft, survival craft will usually be found downwind from the debris.

<注> oil slick 油膜

(設問) In what situation would survival craft usually be found downwind from the debris?

1. When the debris comes from the distressed craft
2. When the debris belongs to the survival craft
3. When wind is blowing the debris faster than the survival craft

A-9 For ships carrying more than 36 passengers, an efficient patrol system shall be maintained so that an outbreak of fire may be promptly detected. Each member of the fire patrol shall be trained to be familiar with the arrangements of the ship as well as the location and operation of any equipment he may be called upon to use.

(設問) How should the fire patrol members on ships with more than 36 passengers be trained in case of fire?

1. They should be trained to be familiar with all of the onboard equipment.
2. They should only be required to have full knowledge of the patrol system.
3. They should be well-informed of the ship's arrangements and trained to operate all equipment they may have to use.

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 日本語の鳥に相当する英語が“bird”であることは小学生でも知っていることだが、先日、「じどり」というのはどんなbirdなのかと祖父に訊かれた。「じどり」は、つまり、主にスマートフォンで自分の写真を撮ることだが、祖父は鳥の名前と誤解したらしい。

Even elementary school children know that the English for the Japanese word “tori” is “bird”. The (ア) day, my grandfather asked me (イ) kind of bird a *Jidori* was. *Jidori* is, in (ウ), the Japanese word for the “selfies” which people (エ) mainly (オ) their smartphones but he thought it was the name of a bird.

- | | | |
|------------|-----------|----------|
| 1. another | 2. by | 3. draw |
| 4. fact | 5. on | 6. other |
| 7. take | 8. theory | 9. what |

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 今、東京湾沿岸では、港の施設の改良、拡張計画が広く進められている。臨海部の青海には、大型船が発着できる新客船ターミナルを開発中で、予定では2020年までに完成される。

Projects are now increasingly under (ア) to improve and (イ) the port and harbor (ウ) around the coast of Tokyo Bay. In the waterfront district of Aomi, a new passenger terminal (エ) large vessels is now under development with (オ) due by 2020.

- | | | |
|-----------------|---------------|---------------|
| 1. completion | 2. control | 3. exhibition |
| 4. expand | 5. facilities | 6. for |
| 7. organization | 8. stretch | 9. way |

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-3 300総トン以上の船舶は、SOLAS条約上、2182kHz（電話）で送受信可能な、救命ボートのための無線装置を搭載する必要があるが、この周波数は今後とも使用することが望まれる。

Ships of 300 (ア) tons and (イ) are not required by SOLAS to (ウ) radio apparatus for survival craft capable (エ) transmitting and receiving on 2182 kHz (telephony), but this frequency can still be (オ) to be used.

- | | | |
|-----------|-----------------|-------------|
| 1. across | 2. carry | 3. expected |
| 4. gross | 5. installation | 6. net |
| 7. of | 8. over | 9. with |