

2021年度

沖縄キリスト教短期大学

保育科

一般選抜試験問題

選択科目（英語・数学）

受験上の注意事項

願書提出時に選択した、いずれか1科目のみ解答してください。

（当日の変更はできません）

1. 監督者から試験開始の指示があるまでは、この問題を開いてはいけません。
試験時間 …… 13:10～13:50（40分）
2. この問題用紙は全部で11ページです。解答用紙は2種類あります。
 - ・英語：（1～7ページ） …… 解答用紙（マークシート）
 - ・数学：（8～11ページ） …… 解答用紙（A4サイズ）※監督者の指示により問題の枚数とページを確認し、間違いがあるときは交換を申し出てください。
※数学の計算は、問題用紙の余白を活用ください。
3. 解答用紙（マークシートもしくはA4サイズ）に、受験番号・氏名を記入してください。
4. マークシートの記入法と取り扱いについて（英語を選択した者のみ）
 - 1) 鉛筆（HBまたはB）を使用する。
※ シャープペンシルは使用しないこと。
 - 2) 解答カード番号は 3 をぬりつぶす。受験番号は4桁をぬりつぶす。
 - 3) マークシートに解答を記入した後の訂正はできるだけ避けること。
 - 4) やむを得ず解答を訂正するときは、二重解答と読み取られることのないように、消しゴムで完全に消してから新しい答えを書くこと。
 - 5) マークシートの読み取りは、機械処理します。カードを折ったり、落書したり、汚したりしないこと。
 - 6) マークシートへの記入は、試験時間内に行ってください。
5. この問題用紙はお持ち帰りください。

英 語

I. 次の文を完成するのに最も適切なものを、A, B, C, D の中から1つ選びなさい。 解答はマークシートに記入してください。

1. I would like _____ to France on holiday next summer.
A. going B. to go C. go D. will go
2. I should _____ you last week about my research on Okinawan music.
A. have contacted B. to contact C. contacting D. be contacted
3. Everyone in my class lives in Naha, _____ me – I live in Urasoe.
A. perhaps B. in spite of C. except D. without
4. The president _____ a heart attack last year.
A. died with B. died of C. killed D. was killed
5. According to the map on my phone, we will reach our _____ in ten minutes.
A. destination B. destruction C. destiny D. description
6. She _____ goes bowling.
A. frequents B. is frequenting C. will frequent D. frequently
7. I didn't really want to go to the party, but my friend _____ me it would be fun.
A. prevented B. forced C. focused D. persuaded

8. More than 200 people _____ at the demo by the police.
- A. was arrested B. arrested C. were arresting D. were arrested
9. Thanks for helping me with my homework. Here's a small gift to show my _____.
- A. involvement B. encouragement C. appreciation D. knowledge
10. Before we make a decision, please _____ about it.
- A. to think B. think C. will think D. thinking
11. I _____ the dishes. It took a long time, so now I am going to have a little rest.
- A. wash B. am washing C. had washed D. have washed
12. I got a shock when I saw _____ in the mirror. My face was completely red – I'd got sunburned.
- A. myself B. oneself C. this self D. mineself
13. I couldn't understand the movie. The story was too _____.
- A. confident B. complicated C. conscious D. common
14. She left _____ phone on the train.
- A. she's B. hers C. her D. she
15. Peace needs _____ maintained. Don't take it for granted.
- A. to have been B. to being C. to be D. to been

Ⅱ. 以下の文章（問 1-5）について、各問に答えなさい。最も適切な答えをそれぞれ 1 つ選び、マークシートに記入してください。

She has only just turned 18, but Greta Thunberg is already a household name. She has addressed a United Nations conference, met the Pope, and appeared on the front cover of Time magazine, but she's not a celebrity. She's an activist and she is fighting against climate change. She says the world is getting hotter and hotter, and this is the most important issue right now, even more important than the coronavirus.

Greta grew up in Sweden. Her father is an actor and her mother is an opera singer. Greta believes that airplanes are one of the main causes of climate change. As a child, Greta persuaded her parents to stop flying. She also got them to stop eating meat. Greta says that cows are also a cause of climate change because they produce methane gas.

After persuading her parents to change their lifestyle, Greta decided to target politicians next. In 2018, instead of going to school, she stood outside the Swedish parliament for three weeks. She wanted the government to reduce carbon dioxide emissions, which she said are a cause of climate change.

She later changed this protest into a weekly event, happening every Friday. Many school children around the world joined these protests. On Fridays, instead of doing their class work, they refuse to go to school.

1) Which of the following would make the best title for the article?

- a) Greta Thunberg doesn't go to school
- b) The reasons why Greta Thunberg is a celebrity
- c) Greta Thunberg - teenage activist
- d) Greta Thunberg persuades her parents

2) Which of the following is **not** true about Greta?

- a) She is not yet 18 years old.
- b) She has met the Pope.
- c) She has been on a magazine cover.
- d) She's given a speech at a major conference.

3) Which of the following is true about Greta's parents?

- a) They are both in entertainment.
- b) They are both professional athletes.
- c) They are both business people.
- d) They are both in medicine.

4) Which of the following is **not** mentioned in the passage as a cause of climate change?

- a) Cows
- b) Carbon dioxide
- c) Melting ice
- d) Planes

5) According to the passage, what do some school children all over the world do every Friday because of Greta?

- a) They don't go to school.
- b) They don't do their homework.
- c) They don't eat meat.
- d) They stand outside the Swedish parliament.

III. 次の対話文を完成するため、空所を補うのに最も適切なものを、A, B, C, Dの中から1つ選びなさい。解答はマークシートに記入してください。

1.

WOMAN: It feels like it's going to rain. You had better go at once.

MAN: _____

WOMAN: All right. Just a minute!

- A. Let's take a rain check?
- B. Can you get me an umbrella?
- C. I feel right as rain today.
- D. I feel sorry to rain on your parade.

2.

WOMAN: Would you mind lending me your bicycle?

MAN: _____

WOMAN: Great! Thanks a lot! I'll bring it back to you soon.

- A. Yes, can I borrow it?
- B. No, I don't think I can.
- C. Sorry, I can't rent it to you.
- D. Of course, not at all.

3.

MAN: Let's go to the newly opened shopping mall.

WOMAN: _____

MAN: We could, but it might be hard to find parking.

- A. Excellent! We're finally going!
- B. Fantastic! How are we getting there?
- C. Good idea! But our car is being repaired now.
- D. Sounds great! Shall we take my car?

4.

WOMAN: This restaurant is outstanding, isn't it?

MAN: It sure is! What's my share of the bill?

WOMAN: No, no, you're my guest tonight. _____

- A. It's on me.
- B. It's 5,000 yen each.
- C. I have no money.
- D. Let's split the bill.

5.

MAN: You don't look too good. Is anything the matter?

WOMAN: _____

MAN: You should get some rest then.

- A. I got a bad mark on an exam.
- B. I had my hair cut too short.
- C. I stayed up all night studying for an exam.
- D. I enjoyed singing songs at karaoke.

6.

MAN: Geez, I don't feel so well...

WOMAN: Why is that?

MAN: _____

- A. Today's lunch was fun.
- B. Yes, it was a very impressive movie.
- C. I don't know... it might be something I ate yesterday.
- D. Let's see what'll happen.

7.

WOMAN: _____

MAN: Good idea! What countries would you like to go to?

WOMAN: Vietnam, Thailand, and Cambodia.

- A. I've never been to Southeast Asia.
- B. How about visiting Southeast Asia together this summer?
- C. I don't have time for a holiday this year.
- D. I've just come back from Southeast Asia.

8.

MAN: They are a very handsome pair of boots, Lola!

WOMAN: Thank you, these are a present from the shoe company, *the Prices*.

MAN: _____

- A. I would do anything to get a pair of those.
- B. They cost 100,000 yen.
- C. I don't have any money.
- D. I never want to wear those.

9.

MAN: I'm in trouble... there's no way I can finish this essay by noon tomorrow!

WOMAN: Shut up and keep writing. I'll make some coffee and stay up with you.

MAN: _____

- A. That's incredibly strange that you were in the class.
- B. Sorry, I have to be at the meeting.
- C. Thank you for your explanation.
- D. Thanks. Can you help me complete it, too?

10.

MAN: _____

B: You won 10,000,000 yen in the lottery?

MAN: Sadly, no. But I've found the pocket money I thought I'd lost!

- A. Guess how?
- B. Guess when?
- C. Guess who?
- D. Guess what?

数 学

I-1 次の計算を行いなさい。

(ア) $7x^2 \times 8x^7$

(イ) $3\sqrt{2} + 5\sqrt{3} + 2\sqrt{2} + 7\sqrt{3}$

(ウ) $(\sqrt{3} - 2\sqrt{2})^2$

I-2 次の式を展開しなさい。

(ア) $(3x+1)(x-2)$

(イ) $(2x-5y)(x-2)$

(ウ) $(2x+3y)^2(2x-3y)^2$

I-3 次の式を因数分解しなさい。

(ア) $x^2 - 12x + 36$

(イ) $9x^2 - 4$

I-4 次の1次不等式および連立不等式を解きなさい。

(ア) $7x - 5 > 2x + 10$

(イ)
$$\begin{cases} 6x + 2 > 5x - 7 \\ -x + 4 > 2x - 2 \end{cases}$$

II 次の三角関数の値を求めなさい。

(ア) $\sin 30^\circ$

(イ) $\cos 135^\circ$

(ウ) $\tan 180^\circ$

III 次の問いに答えなさい。

2 次関数 $y = 2x^2 - 6x + 5$ についてグラフの頂点を求め、そのグラフを書きなさい。

IV 次の各問いに答えなさい。

下の表は9月1日から5日までの最高気温および最低気温である。

	1日	2日	3日	4日	5日
最高気温	28.7	30.9	32.3	32.0	29.4
最低気温	26.3	26.4	27.2	26.8	25.4

(ア) 1日から5日までの最高気温および最低気温の平均値を求めなさい。ただし、小数第2位を四捨五入しなさい。

(イ) 1日から5日までの最高気温および最低気温の中央値を求めなさい。