

2019年度 経済学部

一般入学試験 (A日程) 問題

コミュニケーション英語 I・II (2月2日)

第1問 次の英文を読み、**1**～**10**の質問への答え、あるいは文に続く最も適切な語(句)をそれぞれ**1**～**4**から選びマークせよ。

著作権の関係により本文は省略します。

(<https://www.echonet.org/the-echo-update-blog/2014/2/4/thailand-travel-journal> より作成)

1 In the beginning, what is indicated about Rick?

- ① He has just arrived in this area.
- ② He is not sure of the way.
- ③ He is an expert on trees.
- ④ He knows the area well.

2 As the trail became harder for the people, _____.

- ① they decided to turn back
- ② they did not talk
- ③ they fell into a ravine
- ④ they called for help

3 What was the “unfamiliar place” they came to?

- ① A village in Northern Thailand
- ② A muddy ravine
- ③ A path of trees
- ④ An NGO office

4 they¹ means

- ① agricultural techniques
- ② the author’s group
- ③ Northern Thailand
- ④ village farmers

5 What does the author imply in the second paragraph?

- ① He knew all the plants he saw.
- ② Some farmers did not use Rick’s teachings.
- ③ He is also a farmer.
- ④ The farmers could not grow anything.

6 The author realized that the farmers have trouble because _____.

- ① the land is too dry
- ② their machines are too old
- ③ the hills are too steep
- ④ the farms are too small

7 What does the author mean by the sentence with hit me²?

- ① What he saw surprised and affected him.
- ② What he saw was mostly what he expected.
- ③ He was physically hurt during the trip.
- ④ He got new ideas for techniques during his visit.

8 When the author writes “I do not think I would be able to successfully feed my family,” he means _____.

- ① his family would not like the food
- ② he would not have enough help
- ③ he does not understand farming techniques
- ④ farming is much too difficult there

9 According to the author, poor farmers _____.

- ① are forced to work on land that should not be farmed upon
- ② are increasing their yields thanks to new techniques
- ③ should receive more assistance from their governments
- ④ will do better when their soil erodes

10 them³ means

- ① poor farmers
- ② new perspectives
- ③ soil erosion rates
- ④ lower yields

第 2 問 次の[A]～[C]の英文を読み、11～20に入る最も適切な語をそれぞれ①～④（[B]は①～⑤）から選び、マークせよ。

[A]

著作権の関係により本文は省略します。

(<http://www.tulsahistory.org/wp/wp-content/uploads/2009/11/2009-September.pdf> より作成)

- ① makes
- ② from
- ③ of

- ④ get

[B]

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(<http://www.tulsaahistory.org/wp/wp-content/uploads/2009/11/2009-September.pdf> より作成)

- ① hard
- ② great
- ③ most
- ④ over
- ⑤ blend

[C]

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(<http://www.tulsaahistory.org/wp/wp-content/uploads/2009/11/2009-September.pdf> より作成)

- ① kind
- ② ever
- ③ recently
- ④ special

第3問 次の21~30の文の下線部に入るもっとも適切な語（句）をそれぞれ①~④から選びマークせよ。

- 1) The population of the world in 20th century became very much 21 than that in 19th.
- ① bigger
 - ② larger
 - ③ greater
 - ④ more
- 2) The magazines are 22 easy that the children can read them well.
- ① such
 - ② so
 - ③ too
 - ④ very
- 3) The math problem is so hard that 23 students can work it out.
- ① a few
 - ② a little
 - ③ many
 - ④ few
- 4) It's spring now. The students 24 trees these weeks.
- ① plant
 - ② are planting
 - ③ will plant
 - ④ planted
- 5) We can't do it 25 your help.
- ① with
 - ② of
 - ③ under
 - ④ without
- 6) If you have lost a library book, you have to 26 it.
- ① find out
 - ② look after
 - ③ pay for
 - ④ take care

7) "How many books ___27___ ?"

"Five. But they haven't finished reading even one."

- ① did they borrow
- ② had they borrowed
- ③ will they borrow
- ④ do they borrow

8) "What can I do for you?"

"I'd like two ___28___."

- ① box of apple
- ② boxes of apples
- ③ box of apples
- ④ boxes of apple

9) He knows ___29___ French. But he's very good at Japanese.

- ① either English or
- ② both English and
- ③ neither English nor
- ④ either English nor

10) He never does his work ___30___ Mary.

- ① as careful as
- ② so careful as
- ③ as carefully as
- ④ carefully as

第 4 問 次の 31~40 の文にそれぞれ誤りがある。①~④のうちどれか、マークせよ。

31 He made ①many mistakes in his ②composition ③because of ④careless.

32 You'll find this map of ①great valuable in ②helping you to ③get around of ④London.

33 I have seen ①a lot after ②five thousand mile of journey, but ③have learned ④very little.

34 The teacher ①told ②that the sun ③rose ④in the east.

35 My mother ①promised me that she ②will ③buy me ④a bike.

36 Tom, ①together with Mary and Alice, ②are ③going to play basketball this ④afternoon.

37 ①It is ②a long time ③after I ④saw you last time.

38 All ①what is ②needed ③is ④a supply of oil.

39 ①What ②good time we ③had ④last night!

40 The tree ①was put ②into a Christmas stand that ③held the tree up ④straightly.

第 5 問 次の①～④の語（句）を並べかえて完全な文にしたとき、41～50 に入る語（句）をマークせよ。

1) He always _____ 41 _____ his _____ 42 _____.

- ① has
- ② by
- ③ promises
- ④ abided

2) When you go to a new country, you _____ 43 _____ _____ 44 _____ new manners and customs.

- ① to
- ② must
- ③ adapt
- ④ yourself

3) I _____ 45 _____ 46 _____ hurting her _____.

- ① feelings
- ② of
- ③ afraid
- ④ was

4) Negotiations _____ the two _____ 47 _____ have _____ 48 _____.

- ① broken
- ② countries
- ③ between
- ④ down

5) We must _____ _____ the that he is young.

- ① into
- ② take
- ③ account
- ④ fact

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一般入学試験問題 (A日程) 問題

数学 I

(2月2日)

第1問

次の空欄に当てはまる数字をマークしなさい。

[1] $\frac{\sqrt{2}}{\sqrt{2}+2} = \sqrt{\boxed{1}} - \boxed{2}$

[2] $|x+6| = -2x$ を解くと $x = -\boxed{3}$ が得られる。

[3] 右図はとある国の道路標識で、水平距離 $100m$ に対して $23m$ の割合で高くなる斜面を表している。このとき、水平面と斜面のなす角として、次の①～⑤の中で最も妥当なのはどれか。 $\boxed{4}$ にマークしなさい。なお、必要であれば以下の表を用いてもよい。



θ	11°	12°	13°	14°	15°
$\sin \theta$	0.1908	0.2079	0.2250	0.2419	0.2588
$\cos \theta$	0.9816	0.9781	0.9744	0.9703	0.9659

- ① 11° ② 12° ③ 13° ④ 14° ⑤ 15°

第2問

次の空欄に当てはまる数字をマークしなさい。

集合 $U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ の部分集合

$$A = \{1, 3, x^2 - 5x + 4\}$$

$$B = \{2, x + 3, x^2 - 7x + 12\}$$

について、 $A \cap B = \{0\}$ となる。次の問に答えよ。

・ $x = \boxed{5}$ である。

・ $B = \{0, 2, \boxed{6}\}$ である。

・ $\overline{A} \cap B$ を満たす要素は $\boxed{7}$ 個ある。

・ $\overline{A} \cap \overline{B}$ を満たす要素は $\boxed{8}$ 個ある。

・ $\overline{A} \cup \overline{B}$ を満たす要素は $\boxed{9}$ 個ある。

第3問

次の空欄に当てはまる数字をマークしなさい。

「4次関数 $y = (x^2 - 2x + 2)^2 + x^2 - 2x + 2$ の最小値を求めよ」という問題を次のような手順で解いた。

$t = x^2 - 2x + 2$ とおき、 $y = t^2 + t$ の最小値を求める。

ただし、

$$t = x^2 - 2x + 2 \\ = (x-1)^2 + \boxed{10}$$

なので、 $t \geq \boxed{11}$ となることに気を付けなくてはならない。

$$y = t^2 + t \\ = \left(t + \frac{1}{2}\right)^2 - \frac{1}{4}$$

となるが、 $t \geq \boxed{11}$ なので、最小値は $\boxed{14}$ となる。

第4問

次の空欄に当てはまる数字をマークしなさい。

$a=BC$, $b=AC$, $c=AB$ の三角形 ABC が次の [1] ~ [3] の関係を満たしているとき、それぞれの三角形の形状として確実にいえるものを①~⑥の中から選び ~ にマークしなさい。

[1] $c \cdot \cos B = b \cdot \cos C$ が成り立つとき、三角形 ABC は である。

[2] $\sin A \cos B = \sin B \cos A$ が成り立つとき、三角形 ABC は である。

[3] $\cos B \sin C = \sin A$ が成り立つとき、三角形 ABC は である。

① $a=b$ の二等辺三角形

② $b=c$ の二等辺三角形

③ $c=a$ の二等辺三角形

④ $\angle A=90^\circ$ の直角三角形

⑤ $\angle B=90^\circ$ の直角三角形

⑥ $\angle C=90^\circ$ の直角三角形