

# Doctoral Program of Veterinary Science

獣医学専攻

帯広畜産大学大学院畜産学研究科

科目名：英語

博士課程

平成 30 年度 (第 1 回)

English

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## Question 1.

Read the passage below and choose the most appropriate word or phrase from the four choices for each blank. Write the corresponding letter (a—d) on your answer sheet.

著作権の関係上、公開できません。

[Source: Molecular Biology of the Cell 6th Edition, 2014.]

- |      |                  |                  |                   |                  |
|------|------------------|------------------|-------------------|------------------|
| (1)  | a. off           | b. on            | c. up             | d. down          |
| (2)  | a. amino acid    | b. cell          | c. nucleotide     | d. animal        |
| (3)  | a. of            | b. off           | c. up             | d. down          |
| (4)  | a. calcium       | b. calmodulin    | c. cytosine       | d. cytokine      |
| (5)  | a. glucose       | b. glycine       | c. glutamine      | d. guanine       |
| (6)  | a. thymine       | b. trypsin       | c. thrombin       | d. tubulin       |
| (7)  | a. which         | b. which in      | c. what           | d. in which      |
| (8)  | a. DNA           | b. RNA           | c. amino acid     | d. cell          |
| (9)  | a. transmembrane | b. transcription | c. translation    | d. transplant    |
| (10) | a. polypeptide   | b. poly A        | c. polysaccharide | d. polypropylene |

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## Question 2.

### Question 2-1.

Read the passage and choose the most appropriate word from the four choices for each blank. Write the corresponding letter (a–d) on your answer sheet referring to Figure 1.

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[Source: From Neuron to Brain 4th edition, 2001]

- |     |                    |                   |               |                         |
|-----|--------------------|-------------------|---------------|-------------------------|
| (1) | a. are controlling | b. are controlled | c. control    | d. have been controlled |
| (2) | a. evidences       | b. reactions      | c. results    | d. causes               |
| (3) | a. causes          | b. due to         | c. results in | d. results from         |
| (4) | a. up              | b. down           | c. away       | d. out                  |
| (5) | a. up              | b. down           | c. forward    | d. back                 |

- |     |            |                |            |            |
|-----|------------|----------------|------------|------------|
| (6) | a. form    | b. former      | c. formest | d. forming |
| (7) | a. smaller | b. larger      | c. lower   | d. higher  |
| (8) | a. late    | b. later       | c. latest  | d. latter  |
| (9) | a. and     | b. even though | c. whereas | d. if      |

Question 2-2.

Figure 1 shows the pathway for glutamate synthesis and release. Answer which is appropriate, glutamate or glutamine, for blanks A and B.

Figure 1

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[Source: From Neuron to Brain 4th edition, 2001]

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## Question 3.

Read the following sentences and choose the most appropriate word or phrase from the five choices for each blank. Write the corresponding letter (a–e) on your answer sheet.

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[Source: <http://www.who.int/topics/zoonoses/en/>, <http://www.who.int/zoonoses/en/>]

- |     |  |   |               |
|-----|--|---|---------------|
| (1) | a. experimentally<br>d. generally              | b. internationally<br>e. horizontally           | c. naturally  |
| (2) | a. warm-blooded animals<br>d. domestic animals | b. vertebrate animals<br>e. terrestrial animals | c. mammals    |
| (3) | a. however<br>d. while                         | b. although<br>e. thus                          | c. once       |
| (4) | a. maintaining<br>d. assuming                  | b. regulating<br>e. substituting                | c. preventing |
| (5) | a. much<br>d. a little                         | b. many<br>e. less                              | c. few        |

- |      |                                   |                                   |              |
|------|-----------------------------------|-----------------------------------|--------------|
| (6)  | a. facilitate<br>d. enhance       | b. accelerate<br>e. prevent       | c. support   |
| (7)  | a. advantages<br>d. privileges    | b. benefits<br>e. security        | c. obstacles |
| (8)  | a. to<br>d. with                  | b. on<br>e. in                    | c. between   |
| (9)  | a. resulted in<br>d. relied on    | b. referred to as<br>e. stand for | c. served as |
| (10) | a. require<br>d. comprise         | b. initiate<br>e. observe         | c. conclude  |
| (11) | a. absolutely<br>d. alternatively | b. completely<br>e. partly        | c. hardly    |
| (12) | a. at<br>d. for                   | b. to<br>e. of                    | c. on        |

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## Question 4.

### Question 4-1.

Read the passage below and choose the most appropriate word or phrase from the four choices for each blank. Write the corresponding letter (a–d) on your answer sheet.

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[Source: The Veterinary Clinics of North America: Food Animal Practice—Metabolic Diseases of Ruminant Livestock, W. B. Saunders Company, 1988.]

- |     |             |           |            |          |
|-----|-------------|-----------|------------|----------|
| (1) | a. who      | b. which  | c. when    | d. where |
| (2) | a. by       | b. in     | c. for     | d. to    |
| (3) | a. by       | b. in     | c. for     | d. to    |
| (4) | a. although | b. during | c. through | d. while |
| (5) | a. who      | b. which  | c. when    | d. where |

- (6) a. cranially      b. caudally      c. dorsally      d. ventrally  
(7) a. colts      b. fillies      c. mares      d. stallions

Question 4-2. Look at the underlined phrase [A]. What does this phrase refer to in the passage? Write your answer on the sheet in English or Japanese.