

# 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

博士課程

科目名：英語

平成 30 年度 10 月入学

平成 31 年度 4 月入学（第 1 回）

English 1 / 4

### Question 1-1.

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: Veterinary Toxicology, Basic and Clinical Principles, 2<sup>nd</sup> edition, 2012]

- |                  |                |                 |               |
|------------------|----------------|-----------------|---------------|
| (1) a. on        | b. by          | c. for          | d. to         |
| (2) a. being     | b. to          | c. help         | d. prevent    |
| (3) a. result in | b. result from | c. refer to     | d. consist of |
| (4) a. excretion | b. metabolism  | c. distribution | d. absorption |
| (5) a. excretion | b. metabolism  | c. distribution | d. absorption |
| (6) a. on        | b. by          | c. for          | d. to         |
| (7) a. promote   | b. prevent     | c. result in    | d. mediate    |

Question 1-2.

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: Veterinary Toxicology, Basic and Clinical Principles, 2<sup>nd</sup> edition, 2012]

- |     |              |                |                       |                   |
|-----|--------------|----------------|-----------------------|-------------------|
| (1) | a. on        | b. by          | c. for                | d. but            |
| (2) | a. sensitive | b. insensitive | c. specific           | d. nonspecific    |
| (3) | a. absent    | b. activated   | c. present            | d. normal         |
| (4) | a. normal    | b. fertile     | c. infertile          | d. lethal         |
| (5) | a. Due to    | b. Owing to    | c. In consistent with | d. In contrast to |

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English 2 / 4

## Question 2.

Read the passage below and choose the most appropriate word, phrase or sentence 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。)

- (1) a. characterized by    b. characterized with    c. characterizing by    d. characterizing with
- (2) a. accompanied by    b. accompanied with    c. accompanying by    e. accompanying with
- (3) a. partial occlusion leads to a variety of degenerative cell changes  
b. total occlusion of an artery produces an area of coagulative necrosis  
c. a rapid circulatory collapse leads to impaired cellular metabolism and death  
d. it can be caused by an imbalance of the perfusion pressures or osmotic pressures
- (4) a. although            b. because            c. but            d. due to
- (5) a. dependent from    b. dependent with    c. dependent on    d. dependency
- (6) a. although            b. because            c. but            d. due to
- (7) a. although            b. because            c. but            d. due to
- (8) a. adequacy            b. adequate            c. inadequacy    d. inadequate
- (9) a. although            b. because            c. but            d. due to
- (10) a. reflected with    b. reflected in        c. reflecting with    d. reflecting in

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English 3 / 4

### Question 3-1

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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[Adapted from Molecular Biology of the Cell 6th Edition, 2014]

- |                     |                |                |               |
|---------------------|----------------|----------------|---------------|
| (1) a. a prokaryote | b. prokaryotes | c. a eukaryote | d. eukaryotes |
| (2) a. other        | b. another     | c. neither     | d. no         |
| (3) a. yeasts       | b. molds       | c. bacteria    | d. archaea    |
| (4) a. yeasts       | b. molds       | c. bacteria    | d. archaea    |
| (5) a. rarely       | b. frequently  | c. precisely   | d. never      |
| (6) a. little       | b. most        | c. less than   | d. more than  |
| (7) a. fly          | b. mosquito    | c. flea        | d. tick       |

Question 3-2

Read the words and their meanings 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.

1. ATP (adenosine 5'-triphosphate):

(著作権の関係上, 公開できません。)

- |                    |                 |                 |                 |
|--------------------|-----------------|-----------------|-----------------|
| (1) a. at          | b. on           | c. in           | d. of           |
| (2) a. deoxyribose | b. ribose       | c. fucose       | d. galactose    |
| (3) a. sensation   | b. making sense | c. in the sense | d. sensitivity  |
| (4) a. take place  | b. takes place  | c. taken place  | d. taking place |

2. Protein:

(著作権の関係上, 公開できません。)

- |                |             |             |            |
|----------------|-------------|-------------|------------|
| (5) a. monomer | b. dimer    | c. pentamer | d. polymer |
| (6) a. neither | b. together | c. either   | d. ether   |

3. Virus:

(著作権の関係上, 公開できません。)

- |             |           |            |            |
|-------------|-----------|------------|------------|
| (7) a. on   | b. off    | c. of      | d. out     |
| (8) a. with | b. within | c. without | d. witness |

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

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English 4 / 4

### Question 4

Read the passage below and answer the following questions.

(著作権の関係上、公開できません。)

(Abbreviations)

GnRH: Gonadotropin releasing hormone

CIDR: Controlled internal drug release which is a progesterone-releasing intravaginal device

[Source: Veterinary Clinics of North America: Food Animal Practice-Bovine Theriogenology, Elsevier Inc., 2016]

Question 4-1

Choose the most appropriate word from the four choices for each blank (1-5). Write the corresponding letter (a-d) on your answer sheet.

- |     |          |          |         |        |
|-----|----------|----------|---------|--------|
| (1) | a. which | b. where | c. when | d. who |
| (2) | a. which | b. where | c. when | d. who |
| (3) | a. in    | b. of    | c. to   | d. by  |
| (4) | a. in    | b. of    | c. to   | d. by  |
| (5) | a. in    | b. of    | c. to   | d. by  |

Question 4-2

Explain the older definitions of cystic ovarian follicles. Write your answer on the sheet in English or Japanese.

Question 4-3

How long is the period of progesterone treatment necessary to normalize the hypothalamic response to estradiol? Write your answer on the sheet in English or Japanese.