

# 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

English 1 / 4

令和2年度4月入学(第2回)

Question 1.

Read the passage below and answer the questions.

著作権の関係上、表示できません。

[Source: Handbook of Equine Radiography, 2009]

Question 1-1

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

- |              |             |            |          |
|--------------|-------------|------------|----------|
| (1) a. into  | b. through  | c. onto    | d. over  |
| (2) a. on    | b. to       | c. in      | d. for   |
| (3) a. on    | b. to       | c. in      | d. for   |
| (4) a. on    | b. to       | c. in      | d. for   |
| (5) a. what  | b. when     | c. which   | d. while |
| (6) a. other | b. another  | c. over    | d. one   |
| (7) a. also  | b. although | c. already | d. alter |
| (8) a. on    | b. to       | c. in      | d. for   |

Question 1-2

Which is whiter in the radiography?

- (1) iron or water
- (2) bone or muscle

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Question 2-1.

Read the passage below and choose the most appropriate word from the four choices for each blank (1) – (14). Write the corresponding letter (a–d) on your answer sheet.

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[Source: Molecular Cell Biology, 6th edition, W.H. Freeman and company, 2008]

- |                                    |                                |                                       |                                      |
|------------------------------------|--------------------------------|---------------------------------------|--------------------------------------|
| (1) a. more                        | b. a low                       | c. a high                             | d. few                               |
| (2) a. anion antiporter            | b. anion uniporter             | c. cation antiporter                  | d. cation uniporter                  |
| (3) a. contraction                 | b. relaxation                  | c. contracture                        | d. immobility                        |
| (4) a. increase                    | b. increases                   | c. reduce                             | d. reduces                           |
| (5) a. intracellular               | b. plasma                      | c. Mitochondrial                      | d. nuclear                           |
| (6) a. antiporter                  | b. uniporter                   | c. symporter                          | d. ATPase                            |
| (7) a. PM $\text{Ca}^{2+}$ -ATPase | b. SR $\text{Ca}^{2+}$ -ATPase | c. $\text{Na}^+ / \text{K}^+$ -ATPase | d. $\text{H}^+ / \text{K}^+$ -ATPase |
| (8) a. raise                       | b. raises                      | c. lower                              | d. lowers                            |

- (9) a. decrease                      b. decreases                      c. increase                      d. Increases
- (10) a. from                      b. to                      c. on                      d. in
- (11) a. imported                      b. sequestered                      c. exported                      d. retained
- (12) a. increases                      b. increase                      c. decreases                      d. Decrease
- (13) a. PM  $\text{Ca}^{2+}$ -ATPase                      b. SR  $\text{Ca}^{2+}$ -ATPase                      c.  $\text{Na}^+ / \text{K}^+$ -ATPase                      d.  $\text{H}^+ / \text{K}^+$ -ATPase
- (14) a. myocardial infraction                      b. angina                      c. cardiac hypertrophy  
d. congestive heart failure

Question 2-2.

Question about underline (A1) – (A3). Choose the combination of the appropriate words from the four choices for each blank. Write the corresponding letter (a–d) on your answer sheet.

- a. A1:  $2 \times 10^{-7}$ , A2:  $2 \times 10^{-3}$ , A3: 10,000
- b. A1:  $2 \times 10^{-3}$ , A2:  $2 \times 10^{-7}$ , A3: 10,000
- c. A1:  $2 \times 10^{-1}$ , A2:  $2 \times 10^{-3}$ , A3: 100
- d. A1:  $2 \times 10^{-3}$ , A2:  $2 \times 10^{-1}$ , A3: 100

Question 2-3.

Question about underline [B]. What is “their” referring to? Please answer one appropriate word on your answer sheet.

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Question 3.

Read the passage below and specify your consideration on how to deal with this issue in English.

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[CNN News Digest in CNN ENGLISH EXPRESS (Vol. 11, 2019) (Partial modification)]

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English 4 / 4

令和2年度4月入学（第2回）

Question 4.

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

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[Source : FAO homepage, [www.fao.org/3/a-ag273e.pdf](http://www.fao.org/3/a-ag273e.pdf)]

- |      |             |               |              |                |
|------|-------------|---------------|--------------|----------------|
| (1)  | a. question | b. questioned | c. threat    | d. threatened  |
| (2)  | a. require  | b. required   | c. necessary | d. necessity   |
| (3)  | a. question | b. a question | c. threat    | d. a threat    |
| (4)  | a. so       | b. such       | c. much      | d. for         |
| (5)  | a. tool     | b. right      | c. good      | d. hygiene     |
| (6)  | a. on       | b. in         | c. of        | d. under       |
| (7)  | a. diseases | b. services   | c. farmers   | d. governments |
| (8)  | a. the best | b. best       | c. the worst | d. worst       |
| (9)  | a. higher   | b. lower      | c. stronger  | d. weaker      |
| (10) | a. as       | b. for        | c. that      | d. like        |