

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4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。

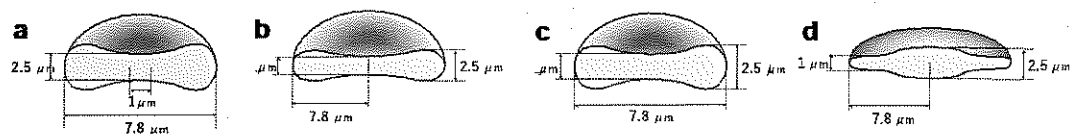
[Source: Guyton and Hall Textbook of Medical Physiology, 12th edition]

Question 1-1. Choose the most appropriate word or phrase from the four choices for each blank (1-8). Write the corresponding letter (a—d) on your answer sheet.

- | | | | |
|-------------------------|--------------------|-------------------|-------------------|
| (1) a. neutrophils | b. erythrocytes | c. leukocytes | d. lymphocytes |
| (2) a. kidney | b. liver | c. lung | d. heart |
| (3) a. However | b. Because | c. Thereafter | d. Therefore |
| (4) a. another | b. other | c. no more | d. the others |
| (5) a. carbon dihydrate | b. carbon monoxide | c. carbonic acid | d. carbon dioxide |
| (6) a. carbon dihydrate | b. carbon monoxide | c. carbonic acid | d. carbon dioxide |
| (7) a. for | b. of | c. as | d. to |
| (8) a. for | b. of | c. as | d. to |
| (9) a. that | b. which | c. where | d. whose |
| (10) a. meaningless for | b. responsible for | c. negligible for | d. depending on |

Question 1-2. Question about underline [A]. What is "it" referring to? Please answer one appropriate word on your answer sheet.

Question 1-3. Question about underline [B]. According to this sentence, which figure is the most suitable for representing the shape and size of a normal red blood cell? Write the corresponding letter (a—d) on your answer sheet. (Note that these figures show the cross section of cells.)



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Question 2

Question 2-1. Read the passage below and chose the appropriate word from the four choices for each blank.

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[Source: Med. vet. entomo., 3rd edition, Gary R. Mullen and Lance A. Durden, 2019]

- | | | | |
|----------------------------|--------------------------|------------------|--------------------|
| (1) 1. mites | 2. millipedes | 3. centipedes | 4. insects |
| (2) 1. symphylans | 2. millipedes | 3. crustaceans | 4. ticks |
| (3) 1. araneology | 2. arachnology | 3. carcinology | 4. myriapodology |
| (4) 1. insects | 2. mites | 3. arthropods | 4. scorpions |
| (5) 1. Arthropod/arthropod | 2. Arthropods/arthropods | 3. Insect/insect | 4. Insects/insects |
| (6) 1. unrecognized | 2. unrecognized | 3. recognized | 4. recognizing |
| (7) 1. unknown | 2. promoted | 3. accelerated | 4. suppressed |

Question 2-2. Related to Question 2-1, answer a word/term for the following definitions.

- (1) An organism, usually an arthropod, which transmits a disease agent from an infected to a noninfected animal.
- (2) A compound or substance that kills mites and ticks.
- (3) A disease of humans caused by the rickettsial organism *Orientia tsutsugamushi* transmitted by chiggers.
- (4) The transfer of a pathogen or parasite via the external surface of the mouthparts, appendages, or other body parts, without involving biological development of the organism.
- (5) A vector in which biological development of the vector-borne pathogen/parasite under consideration occurs.

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Question 3

Read the following sentences 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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- | | | | | |
|-----|---------------|----------------|--------------|---------------|
| (1) | a. that | b. who | c. until | d. because |
| (2) | a. faster | b. earlier | c. slower | d. later |
| (3) | a. eternal | b. unstoppable | c. stable | d. seasonal |
| (4) | a. warming | b. lighting | c. lightning | d. twinkling |
| (5) | a. birth date | b. birth place | c. sex | d. coat color |
| (6) | a. bred | b. bread | c. blade | d. spread |
| (7) | a. spring | b. summer | c. autumn | d. winter |
| (8) | a. short | b. long | c. weak | d. strong |
| (9) | a. positive | b. negative | c. poor | d. good |

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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: Prichard, K. R., International Journal for Parasitology, 2021]

- | | | | |
|--------------------|------------------|----------------|--------------|
| (1) a. dogs | b. crows | c. snakes | d. cows |
| (2) a. Animals | b. Humans | c. Birds | d. Viruses |
| (3) a. spider | b. tick | c. mosquito | d. scorpion |
| (4) a. envelope | b. alveolus | c. vein | d. artery |
| (5) a. right | b. left | c. center | d. front |
| (6) a. male | b. neutral | c. female | d. androgyny |
| (7) a. sporozoites | b. microfilariae | c. bradyzoites | d. miracidia |
| (8) a. lactone | b. amine | c. alcohol | d. ketone |