

Instructions

Read the following passage and answer the questions that follow.

A ⁽¹⁾legacy of humans' evolutionary past is the fact that extensive brain development occurs after a child is born. Other creatures have a genetic ⁽²⁾inheritance that includes a specialized body and mind fitted to a specific environment, but humans have a brain that grows [while / to / exposed / the / environment / has]. Brain development and the environment ⁽³⁾interact. A child is born with an ability to grasp complex patterns and learn from a wide number of possible environments. Interaction with the environment shapes a child's brain, narrowing its learning potential to fit the actual community in which the child lives.

Questions

Q1. Vocabulary(6 points)

Choose the word that is closest in meaning to the boldfaced word in each sentence.

(1) legacy

- ① heritage ② method ③ discovery ④ problem

(2) inheritance

- ① possession ② character ③ genetic gift ④ wealth

(3) interact

- ① exchange influence ② fight against
③ separate from ④ copy

Q2. Sentence Order(6 points)

Rearrange the following words to complete the phrase meaningfully. One word is unnecessary.

Write the correct phrase and identify the unnecessary word.

[while / to / exposed / the / environment / has]

Q3. Grammar/Usage(6 points)

Choose the sentence in which the double-underlined word is used in the same way as the underlined word in the sentence:

“A legacy of humans’ evolutionary past is the fact that extensive brain development occurs after a child is born.”

- ① The knowledge that he was able to finish the project in time surprised everyone in the office.
- ② It is the book that I was looking for all day yesterday.
- ③ I know that she is telling the truth about the incident.
- ④ It is not that I dislike him, but I find him difficult to talk with.

Q4. Translation(20 points)

Translate the underlined part into natural Japanese.

Q5. Reading Comprehension(12 points)

Choose the most appropriate answer to each question.

- (1) What does the passage mainly explain?
- ① How human brain development differs from that of other creatures.
 - ② Why genetic inheritance is more important than the environment.
 - ③ How animals adapt to complex societies.
 - ④ Why the human brain stops growing after birth.
- (2) According to the passage, what makes humans unique?
- ① Their complete genetic design at birth.
 - ② Their ability to learn from various environments.
 - ③ Their instinctive behavior patterns.
 - ④ Their lack of interaction with the environment.
- (3) What does the passage suggest about the relationship between brain and environment?
- ① The environment has little influence on human learning.
 - ② Brain development is shaped through interaction with surroundings.
 - ③ Children’s brains are fixed before birth.
 - ④ Genetic inheritance determines all human abilities.

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