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- 148- It is rumored that dogs have a great ..... for cats, yet Lois's two dogs and three cats get along famously.
- 1) compromise
  - 2) antipathy
  - 3) consequence
  - 4) hesitation
- 149- Given how hot it had been all day, someone was bound to ..... the idea of going swimming.
- 1) provoke
  - 2) apply
  - 3) confirm
  - 4) broach
- 150- Because the scientist knew his solution was not evident, he tried to offer his investors a ..... alternative so they would continue to fund his research.
- 1) derivative
  - 2) plausible
  - 3) customary
  - 4) puzzling

## PART C: Reading Comprehension

Directions: Read the following two passages and decide which choice (1), (2), (3), or (4) best answers each question. Then mark the correct choice on your answer sheet.

### Passage 1:

The most basic definition of work is “energy and effort expended in performance of a task.” Essentially, all jobs and tasks require you to spend energy and effort in some form, be it physical or mental. But even at this crude and simple level, work has an appreciable effect on the brain that can, and probably does, make us happier. Copious evidence shows the more physically active you are, the better your brain works. Makes sense; the brain, a biological organ, needs energy and nutrients (more than other organs). Increased physical activity strengthens and improves the heart, reduces fat and cholesterol, speeds up metabolism, all of which improves the supply of blood and nutrients to the brain, increasing its ability to do ... anything, really.

Physical activity seems to have an even more “direct” effect on the brain, by increasing output of Brain Derived Neurotrophic Factor, BDNF, a protein that stimulates growth and production of new brain cells. This could explain the many reported neurological benefits of physical activity, such as enhancing learning ability and memory, increased hippocampal volume and higher levels of gray matter throughout the brain. Studies also suggest that children who engage in more physical, sporting activity often do better on academic tests.

So if our work compels us to engage in physical activity, the positive effects this has on the brain could well make us happier. Boosting our learning and related faculties makes us smarter (arguably), and despite the term “blissful ignorance,” evidence suggests that greater intelligence makes you (slightly) happier. Also, physical exercise releases endorphins, which is the “happiness chemical”. And, of course, improved general physical health means we have greater capacity to do things that make us happy, as we aren't held back by poorer health and stress resulting from no exercise.

- 151- What is the primary purpose of the passage?
- 1) To compare two explanations for the same phenomenon
  - 2) To present a commonplace idea and its inaccuracies
  - 3) To clarify the function of a phenomenon
  - 4) To explore the implications of a finding

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- 152- Which of the following rhetorical devices is used to advance the argument presented in the passage?
- 1) Appeal to authority
  - 2) Analogy
  - 3) Chronological time order
  - 4) Physical description
- 153- Which of the following statements about fat and cholesterol is supported by the passage?
- 1) Increased levels of blood fat and cholesterol block the supply of energy and nutrients to the brain.
  - 2) The amount of fat and cholesterol is invariably low in highly intelligent people.
  - 3) Any attempt to lower fat and cholesterol in the blood promotes metabolism.
  - 4) Reduced fat and cholesterol positively affects brain power.
- 154- Which of the following best reveals the author's attitude towards the concept of "blissful ignorance"?
- 1) Reluctant acceptance
  - 2) Amused tolerance
  - 3) Highly skeptical
  - 4) Studied neutrality
- 155- What is the author's main purpose in the last sentence of the passage?
- 1) To contrast the role played by general physical health and mental health in promoting happiness
  - 2) To shed light on the meaning of "happiness chemical" cited in an earlier statement
  - 3) To further bolster the relationship between physical activity and intelligence
  - 4) To allude to some indirect effects of physical activity on happiness

**Passage 2:**

Thousands of people died from the heat that baked western Europe in the summer of 2003. The heat wave also devastated the region's agricultural sector: In France, where temperatures were 3.6°C above normal, the country's corn and fruit harvests fell more than 25%. Thirty-one years earlier, another very hot summer shrank harvests in south-west Russia and Ukraine and led to a tripling in world grain prices.

By the end of the century, those summers may seem like cool ones and the impact on agriculture will be even greater. Two researchers applied 23 global climate models used by the Intergovernmental Panel and on Climate Change to estimate end-of-century temperatures. Their conclusions with regard to agriculture are sobering. They correctly argue that in the past heat waves, drought, and food shortages have hit particular regions, but the future will be different: Yields are going to be down every place. Heat will be the main culprit. If you look at extreme high temperatures so far observed—basically since agriculture started—the worst summers on record have been mostly because of heat, not drought.

The models predict that by 2090, the average summer temperature in France will be 3.7°C above the 20th century average. Elevated temperatures not only cause excess evaporations but also speed up plant growth with consequent reductions in crop yields. Although rising temperatures may initially boost food production in temperate altitudes by prolonging the growing season, crops will eventually suffer unless growers develop heat-resistant versions that don't need a lot of water. You have to go back at least several million years before you find temperatures comparable to those being predicted.

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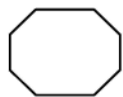
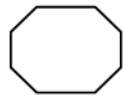
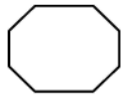
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- 156- According to the passage, the tripling of world grain prices occurred .....**
- 1) sometime in the 20<sup>th</sup> century
  - 2) when the land under cultivation diminished
  - 3) when Russia and Ukraine colluded together to abuse the situation generated by an exceptional heat wave
  - 4) due to a reason completely different from the one leading to a drop in corn and fruit harvests in France in 2003
- 157- The word “sobering” in paragraph 2 could best be replaced by which of the following?**
- 1) Incredulous
  - 2) Alarming
  - 3) Exaggerated
  - 4) Fascinating
- 158- Which of the following is true based on the findings of the study carried out by the two researchers mentioned in paragraph 2?**
- 1) Overpopulation would cause people to put more strain on land, leading to more soil erosion.
  - 2) In the future heat waves would turn out to be as severe as drought and food shortages.
  - 3) The past heat waves are likely to follow a similar pattern of spread worldwide.
  - 4) Almost all the countries in the world would be affected by future heat waves.
- 159- The word “those” in paragraph 3 refers to .....**
- 1) years
  - 2) crop versions
  - 3) temperatures
  - 4) crop growers
- 160- It can be inferred from paragraph 3 that the development of heat-resistant versions of crops is .....**
- 1) viable
  - 2) idealistic
  - 3) fat-fetched
  - 4) out of the question

This is the end of section 5.

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