پی اچ دی تست ؛ نخستین وب سایت تخصصی آزمون دکتری

بخش پنجم ۵

راهنمایی:

این بخش، مربوط به سوالات آزمون زبان انگلیسی ـ عمومی است.

Part A. Grammar
Directions: Select the answer choice (1), (2), (3), or (4) that could best complete the blank in the following questions. Then mark your answer on your answer sheet.

131- In countless shacks and shanties across the country, she had tied the shoes of children, wiped their noses, hugged them ....., scrambled to find food for them, and fought for their rights.
1) to be crying
2) when they cried
3) cried
4) had cried

132- Superstitions were not the only Japanese things in my life. A lot more of me was Japanese ....., whether I liked it or not.
1) to realize
2) realized
3) than I realized
4) to be realized

133- Perhaps the most unusual office is the one ..... who, in 2007, decided to move closer to nature by creating an office in a tree.
1) used by David Smith
2) which used David Smith
3) David Smith used
4) is used by David Smith

134- ..... are rich in a wide variety of species is well known, something no one ever disputes.
1) The Earth's some regions
2) There are some regions of the Earth
3) What are the regions of the Earth
4) That some regions of the Earth

135- A team led by Mark Tuszynski injected brain-derived neurotrophic factor (BDNF) into the entorhinal cortex and the hippocampus, ..., and where Alzheimer's strikes first.
1) in which the parts of the brain where memories are formed and consolidated
2) they being the parts of the brain where memories are formed and consolidated
3) to form and consolidate the parts of the brain where memories
4) the parts of the brain where memories are formed and consolidated

136- I heard the car is the deadliest weapon created by humans and ..... exceeds the death toll from atomic weapons, guns or bombing. Is this true?
1) and the number of lives claimed
2) claims that the number of lives
3) that the number of lives it has claimed
4) it has claimed the number of lives

137- Many top athletes now find mental training indispensable—and ..... for performing on race or game day but for getting the most out of daily workouts.
1) only
2) not just
3) both
4) either

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138- **Leonardo's unique labelling of the ventricles reflects the tremendous importance he accorded to the sense of vision, which he described as the window to the soul and the most important basis ..... .**

1) of all experience
2) on which experience
3) ever to experience
4) on that is experiencing

Part B. Vocabulary
Directions: Select the answer choice (1), (2), (3), or (4) that could best complete the blank in the following questions. Then mark your answer on your answer sheet.

139- **If we analyze food consumption based on body size, we find that ants eat their full body weight everyday while a whale eats the ..... of only one-thousandth of its body weight each day.**

1) absorption 2) equivalent 3) synonymy 4) shortage

140- **A clown is a similar comic character of pantomime and circus, known by his distinctive makeup and costume, ... antics, and buffoonery, whose purpose is to induce hearty laughter.**

1) mercenary 2) unconscious 3) audacious 4) ludicrous

141- **Besides ..... about 40,000 homes, the worst natural disaster in memory destroyed countless businesses and jobs.**

1) coinciding 2) annihilating 3) refurbishing 4) precluding

142- **Jeff was so ..... in his views that it was impossible to have a rational debate with him.**

1) boisterous 2) substantial 3) intransigent 4) indulgent

143- **Since Kelly was so ....., we asked her to proofread our group's report.**

1) meticulous 2) frugal 3) impulsive 4) impetuous

144- **I was so happy when I got the acceptance letter from the University of Tehran that I sprinted home with great ..... to share the good news.**

1) dexterity 2) improvisation 3) alacrity 4) avarice

145- **Ted ..... any allegations of his involvement in the bank robbery that had just happened.**

1) refuted 2) suspended 3) confessed 4) deduced

146- **The fact that some fish ..... their offspring illustrates that these fish lack a nurturing instinct.**

1) mitigate 2) devour 3) withdraw 4) pursue

147- **Because the company was forced to recall the faulty product and stop distribution, it soon had ..... of useless inventory.**

1) a recession 2) a denial 3) an abundance 4) an aptitude

148- **Walters cannot be sent to jail now; we still have no ..... proof that he was at the scene of the crime.**

1) demonstrative 2) conclusive 3) redundant 4) immaterial

149- **Lord Astor's racing horses possess speed but not .....; they consistently lead at the start of a race and fall behind at the end.**

1) elation 2) boldness 3) proximity 4) stamina

150- **The regulations ..... that everything has to comply with the relevant safety standards.**

1) evoke 2) contribute 3) vow 4) stipulate

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Part C. Reading Comprehension
Directions: Read the following two passages and select the best choice (1), (2), (3), or (4) that best answers each question. Then mark your answer on your answer sheet.

Passage 1:

You can drop cigarettes. Avoid pollution. But there's one toxin you just can't dodge: oxygen. With every gulp of air, oxygen gives you life. Some of it, however, gets converted inside your cells into a radical molecule that can wreak havoc, degrading those same cells and others. A growing number of scientists say this damage is what causes aging. They also think they may one day be able to fend off oxygen's ill effects and help us live a lot longer.

Scientists have long known that oxygen is capricious. As molecules go, it gets around, reacting with all kinds of things. Mostly, that's good. Oxygen combines with fats and carbohydrates, in a part of cells known as the mitochondrion, to churn out the energy that gets you through the day. But the conversion isn't perfect. A small amount of oxygen is regenerated in a nasty form called a free radical, or oxidant—the very critter that causes metal to rust. The oxidants careen about, binding to and disrupting
the membranes, proteins, DNA and other cell structures that make your body work. Over time, this damage adds up, and the result just might be an older, frailer you.

According to one estimate, oxidants bombard the DNA inside every one of our cells roughly 10,000 times a day. Thankfully, most of the assailants are intercepted by a small army of antioxidant chemicals. Proteins also patch up the damage caused by the radicals that do get through. "The house is always getting dirty, and we're always trying to clean it up," remarks John Carney, chief technical officer at Centaur Pharmaceuticals in Sunnyvale, Calif, which is developing drugs to fight various diseases of aging. But eventually, the theory goes, our tired cells get less efficient at repelling free radicals and mopping up oxidative messes, and the damage accumulates. We begin to rust from the inside out.

151- What is the subject of the passage?
1) The role of one aging variable
2) Ways to stop aging
3) A misconception about aging
4) The process of aging

152- All of the following are FALSE about the scientists mentioned in paragraph 1 EXCEPT that they ..... .
1) think there would come a day that a radical molecule would be discovered to offset oxygen's ill effects
2) believe what is accelerating aging is the havoc wreaked on human cells by the impact of oxygen deficiency caused by smoking and pollution
3) are optimistic about the chances of humans' being able to live a longer life in the future
4) are losing hope about preventing oxygen from doing damage to human cells as it does now

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153- The author states that oxygen is capricious in that it ..... .

1) generates free radicals inside cells that inflict damage
2) gets around, reacting with all kinds of things
3) results in the production of more energy than we need for our daily needs
4) combines with fats and carbohydrates to produce energy

154- The word "assailants" in paragraph 3 refers to ..... .

1) estimates
2) cells
3) 10,000 times a day
4) oxidants

155- The author has brought in a quotation from John Carney to bolster the fact that we ..... .

1) are to do everything possible to ascertain that our environment is clean enough to prolong our life
2) have some natural defense mechanisms that work to lessen the havoc that oxidants wreak on our cells
3) spend more energy than we should to counter the effects of free radicals
4) have bodies that are similar to houses and thus are to be clinically examined and replaced

Passage 2:

So why should we care about how many different kinds of organisms there are, as long as the ones we care about are still around? For one thing, no organism lives in isolation from its environment and the other living things in it. Creatures like whales, pandas, sea turtles, and tigers that capture our imagination cannot survive without countless other species. Organisms are bound together in complex food webs, nutrient cycles, symbioses, and other ecological interactions. The loss of even the "lowliest" of species could have profound effects on many others. Biologists simply do not understand ecosystems well enough to predict what these effects might be.

Another reason to conserve biodiversity is that it represents a hidden treasure trove. Most pharmaceuticals are derived from natural chemicals in organisms, but only a tiny fraction of species have been tested. The wild plants from which our farm plants were derived contain genes for pest resistance, faster growth, and higher quality that could be used to improve our food crops or develop new ones. New materials—a substitute for petroleum, perhaps, or industrial chemicals or better fibers for clothing—also remain undiscovered. There are so many different kinds of organisms, however, that scientists have not had time to even identify most of them, much less evaluate their usefulness. The next species that goes extinct might hold the cure for cancer, a solution to hunger, or maybe just the makings of an elegant new perfume—a secret that will be lost forever.

156- The question with which the passage opens is ..... .

1) actually what the passage mainly deals with
2) intended to display our insufficiency of knowledge
3) one that is disputed
4) a rhetorical question

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157- The profound effects cited in paragraph 1 are the effects ..... .

1) come up only when the lowliest of species are neglected
2) that are around now but not fully understood by scientists
3) the environment has on living creatures
4) scientists are not yet able to pinpoint in advance

158- What is the function of paragraph 2 in relation to what paragraph 1 is mainly concerned with?

1) It yet introduces another reason in support of the main theme of paragraph 1.
2) It uses paragraph 1 as a basis to make a prediction about what human nutrition would be like without biodiversity.
3) It qualifies the chief claim presented in paragraph 1.
4) It casts doubt on the validity of the main point of paragraph 1.

159- The passage provides information that answers which of the following questions?

1) Why has a tiny fraction of species been tested for their pharmaceutical value?
2) Why did humans first use the wild plants to derive the ones we now grow?
3) Why is it that the author contends that biodiversity is actually a hidden treasure trove?
4) Why have biologists not yet been able to understand ecosystems well enough?

160- The tone of the passage could best be described as ..... .

1) informative and cautionary
2) enthusiastic and partial
3) scholarly and noncommittal
4) skeptical and questioning

This is the end of Section 5.

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