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ویرایش نیتو مقالات با ارائه گواهی معتبر

مشاوره در تدوین مقالات انگلیسی و پایان نامه ها و اخذ پذیرش از مجلات و همایش ها

MHLE, TOEFL, TOLIMO, IELTS, EPT, MCHE, MSRT

کنکور کارشناسی، ارشد و دکتری (مبحث زبان)
بسته های آموزشی متنوع با تخفیف های ویژه
با ارائه مدرک معتبر از آکادمی شریف زاده

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Directions: Select the answer choice (a), (b), (c), or (d) that could best complete the blank in the following questions. Then mark your answer on your answer sheet.

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Part C. Reading Comprehension

Directions: Read the following two passages and select the choice (a), (b), (c), or (d) that best answers each question. Then mark your answer on your answer sheet.

Passage 1:

The human ABO blood groups were discovered by Austrian-born American biologist Karl Landsteiner in 1901. Landsteiner found that there are substances in the blood, antigens and antibodies, that induce clumping of red cells when red cells of one type are added to those of a second type. He recognized three groups -- A, B, and O -- based on their reactions to each other. A fourth group, AB, was identified a year later by another research team. Red cells of the A

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group clump with donor blood of the B group; those of the B group clump with blood of the A group; those of the AB group clump with those of the A or the B group because AB cells contain both A and B antigens; and those of the O group do not generally clump with any group, because they do not contain either A or B antigens. The application of knowledge of the ABO system in blood transfusion practice is of enormous importance, since mistakes can have horrible consequences. In 1914 sodium citrate was added to freshly drawn blood to prevent clotting. Blood was occasionally transfused during World War I, but three-quarters of a pint was considered a large amount. These transfusions were given by directly linking the vein of a donor with that of the recipient. The continuous drip method, in which blood flows from a flask, was introduced by Hugh Marriott and Alan Kekwick at the Middlesex Hospital, London, in 1935.

The discovery of the Rh system by Landsteiner and Alexander Wiener in 1940 was made because they tested human red cells with antisera (animal or human serum containing antibodies specific for one or more antigens) developed in rabbits and guinea pigs by immunization of the animals with the red cells of the rhesus monkey *Macaca mulatta*. Other blood groups were identified later, such as Kell, Diego, Lutheran, Duffy, and Kidd. The remaining blood group systems were first described after antibodies were identified in patients. Frequently, such discoveries resulted from the search for the explanation of an unexpected unfavorable reaction in a recipient after a transfusion with formerly compatible blood.

151- What is the passage mainly about?

- a) Blood transfusion in World War I
- b) Early attempts at blood transfusion
- c) Great medical achievements in the 20th century
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152- Which of the following is NOT true about the AB blood group?

- a) AB cells carry both A and B antigens.
- b) It was discovered by Karl Landsteiner.
- c) It was discovered in the early 20th century.
- d) The red cells of the AB group clump with those of the A or the B group.

153- What does "that" in paragraph 1 refer to?

- a) Vein
- b) Linking
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154- Which of the following animals does the author NOT mention in the passage?

- a) Guinea pigs
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- c) Rats
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155- Which of the following can be inferred from the passage?

- a) Adding sodium citrate to fresh blood to prevent clotting resulted in discovery of the Rh system.
- b) The continuous dip method was first practiced during World War I to transfuse three-quarters of a pint of blood.
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- d) Other blood groups were later identified because the outcome of a number of blood transfusions was not successful.

Passage 2:

At the start of his career, Albert Bandura focused on learning. Most of the research at that time was concerned with learning from direct experience. At that time it was widely assumed that learning could only occur by responding to stimuli and experiencing their effects. Bandura felt that this line of theorizing was at odds with informal evidence that virtually all learning resulting from direct experience occurs on a vicarious basis -- by observing other people's behavior and its consequences for them. Whereas behaviorism tended to emphasize the influence of the environment on behavior, Bandura was interested in the influence of behavior on the environment. In this respect his position is closer to that of Jacob Kantor, whose "interbehaviorism" argues that the organism and stimulus objects surrounding it should be treated as equally important, a position that presaged the emergence of ecological psychology. Bandura referred to his concept of environment -- behavior interaction as "reciprocal determinism" -- the notion that the environment and a person's behavior cause one other. He developed this idea to a point where he began to consider the interaction between environment, behavior and the person's psychological processes. Once he started to consider a role for mental imagery, he ceased to be a strict behaviorist and became a cognitive psychologist. Indeed, he is often regarded as a "founding father" of cognitive behaviorism. His theoretically ambitious *Social Learning Theory* (1977) set out to "provide a unified theoretical framework for analyzing human thought and behavior" (p. vi). While his introduction of cognitive concepts into behaviorism marked a clear departure from traditional behaviorism, it also marked a point where Bandura began to consider observational learning (modelling) and self-regulation. This interest led to a program of research on the determinants and mechanisms of observational learning and modelling of rule-governed behavior. He distinguished between three kinds of models: live (e.g. the behavior of a friend); symbolic (e.g. the behavior of an actor on TV); and verbal (e.g. the behavior of someone described in a short story or novel). The enormous advances in communication technology through the last century (from radio to television and the internet) mean that the symbolic environment plays an increasingly powerful role in shaping values, ideas, attitudes and lifestyles, so Bandura's work is particularly relevant to contemporary developments in the growth of information and communication technology.

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156- Which of the following is TRUE about Bandura's early research?

- a) He believed that learning occurs by responding to external stimuli.
- b) He was interested in collecting informal evidence to prove his learning theories.
- c) He argued that the organism is much more important than the stimulus objects surrounding it.
- d) He was interested in studying the mutual relationship between the behavior and the environment.

157- Why is Bandura known as a founding father of cognitive behaviorism?

- a) He was inspired by research findings in ecological psychology.
- b) He was under the influence of Jacob Kantor's interbehaviorism.
- c) He shifted his attention to the role of human thought and mental imagery.
- d) He was an ambitious theoretician who had grown tired of classical behaviorism.

158- What does "he ceased to be a strict behaviorist" in line 15 mean?

- a) He was no more a strong supporter of behaviorism.
- b) He continued to be a faithful advocate of behaviorism.
- c) He tried to be a conservative follower of behaviorism.
- d) He strongly updated his behavioristic views.

159- Which of the following can be inferred from the passage?

- a) Bandura worked on the concepts of modelling and self-regulated learning.
- b) Though a psychologist, Bandura contributed significantly to information technology.
- c) Bandura directed a research program that led to the discovery of rule-governed values.
- d) The importance of Bandura's findings are highlighted by advances in communication technology.

160- Which of the following would the paragraph following the passage most probably discuss?

- a) The values that communication technology cannot aptly address
- b) The relevance of symbolic behavior to an aspect of communication technology
- c) The variables that attracted Bandura to directly work in information and communication technology
- d) The difference between the symbolic environment and the one created by the growth of information and communication technology

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- d) Other blood groups were later identified because the outcome of a number of blood transfusions was not successful.

Passage 2:

At the start of his career, Albert Bandura focused on learning. Most of the research at that time was concerned with learning from direct experience. At that time it was widely assumed that learning could only occur by responding to stimuli and experiencing their effects. Bandura felt that this line of theorizing was at odds with informal evidence that virtually all learning resulting from direct experience occurs on a vicarious basis -- by observing other people's behavior and its consequences for them. Whereas behaviorism tended to emphasize the influence of the environment on behavior, Bandura was interested in the influence of behavior on the environment. In this respect his position is closer to that of Jacob Kantor, whose "interbehaviorism" argues that the organism and stimulus objects surrounding it should be treated as equally important, a position that presaged the emergence of ecological psychology. Bandura referred to his concept of environment -- behavior interaction as "reciprocal determinism" -- the notion that the environment and a person's behavior cause one other. He developed this idea to a point where he began to consider the interaction between environment, behavior and the person's psychological processes. Once he started to consider a role for mental imagery, he ceased to be a strict behaviorist and became a cognitive psychologist. Indeed, he is often regarded as a "founding father" of cognitive behaviorism. His theoretically ambitious *Social Learning Theory* (1977) set out to "provide a unified theoretical framework for analyzing human thought and behavior" (p. vi). While his introduction of cognitive concepts into behaviorism marked a clear departure from traditional behaviorism, it also marked a point where Bandura began to consider observational learning (modelling) and self-regulation. This interest led to a program of research on the determinants and mechanisms of observational learning and modelling of rule-governed behavior. He distinguished between three kinds of models: live (e.g. the behavior of a friend); symbolic (e.g. the behavior of an actor on TV); and verbal (e.g. the behavior of someone described in a short story or novel). The enormous advances in communication technology through the last century (from radio to television and the internet) mean that the symbolic environment plays an increasingly powerful role in shaping values, ideas, attitudes and lifestyles, so Bandura's work is particularly relevant to contemporary developments in the growth of information and communication technology.

156- Which of the following is TRUE about Bandura's early research?

- a) He believed that learning occurs by responding to external stimuli.

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- b) He was interested in collecting informal evidence to prove his learning theories.
- c) He argued that the organism is much more important than the stimulus objects surrounding it.
- d) He was interested in studying the mutual relationship between the behavior and the environment.

157- Why is Bandura known as a founding father of cognitive behaviorism?

- a) He was inspired by research findings in ecological psychology.
- b) He was under the influence of Jacob Kantor's interbehaviorism.
- c) He shifted his attention to the role of human thought and mental imagery.
- d) He was an ambitious theoretician who had grown tired of classical behaviorism.

158- What does "he ceased to be a strict behaviorist" in line 15 mean?

- a) He was no more a strong supporter of behaviorism.
- b) He continued to be a faithful advocate of behaviorism.
- c) He tried to be a conservative follower of behaviorism.
- d) He strongly updated his behavioristic views.

159- Which of the following can be inferred from the passage?

- a) Bandura worked on the concepts of modelling and self-regulated learning.
- b) Though a psychologist, Bandura contributed significantly to information technology.
- c) Bandura directed a research program that led to the discovery of rule-governed values.
- d) The importance of Bandura's findings are highlighted by advances in communication technology.

160- Which of the following would the paragraph following the passage most probably discuss?

- a) The values that communication technology cannot aptly address
- b) The relevance of symbolic behavior to an aspect of communication technology
- c) The variables that attracted Bandura to directly work in information and communication technology
- d) The difference between the symbolic environment and the one created by the growth of information and communication technology

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- b) to be in
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- a) vigilant
- b) deft
- c) prodigious
- d) feasible

Part C. Reading Comprehension

Directions: Read the following two passages and select the choice (a), (b), (c), or (d) that best answers each question. Then mark your answer on your answer sheet.

Passage 1:

These days the popular mantras for stimulating creativity frequently extol the virtues of thinking outside the box: "There are no wrong answers." "Consider all options." "Break the boundaries that prevent you from innovating." But not all boundaries should be broken. Some are real and need to be respected. Sometimes it is best to know how to think creatively inside the box.

If you identify constraints that any solution to a specific problem must obey, you can channel your search into more productive directions. Eventually you must always figure out which of your possible solutions are workable and which are not. By imposing constraints on your solution search -- in effect, understanding what box they will ultimately have to fit into -- you can filter out unworkable ideas before they take shape and see the real solutions more easily.

Becoming aware of the relevant constraints can be powerfully liberating. Filtering out your thoughts this way may at first seem as though it would censor potentially good ideas. But, on the contrary, identifying the underlying attributes of real solutions can actually help generate ideas.

When you are faced with a difficult problem, it's all too easy to get caught up in what you don't know. So instead begin by figuring out what you do know about the solution, even if it is incomplete. Identify all the attributes that will be a necessary part of any workable solution. These necessary attributes are the principles (mathematicians call them axioms) that will serve

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as problem-solving catalysts. A great advantage of this principle-centered approach is that it helps to focus your search by preventing you from having to start from scratch every time you run into a roadblock.

151- What is the best title for the passage?

- a) How to Be Creative
- b) Principled Problem Solving
- c) Virtues of Brainstorming
- d) Thinking Outside the Box: Pros and Cons

152- Which of the following best describes the author's attitude towards the quoted statements in paragraph 1?

- a) Pointed opposition
- b) Skeptical but resigned
- c) Reproachful and disturbed
- d) Partial endorsement

153- The author implies that if you try to solve problems on the basis of the axiom according to which all boundaries that prevent you from innovating are to be broken, you would then -----.

- a) come up with a number of workable and unworkable plans between which you cannot make a distinction
- b) never be able to extricate yourself from popular, non-academic approaches to problem solving
- c) beat more about the bush due to not having channeled your search already
- d) find yourself imprisoned within a hypothetical box of limited viable options

154- Which of the following statements is the author more likely to agree with?

- a) Letting constraints filter and guide your thinking can often be the best way to reach truly creative solutions.
- b) Becoming aware of the relevant constraints may adversely affect the generation of certain pragmatic solutions.
- c) When faced with a difficult problem, getting caught up in a web of relevant and irrelevant constraints is inevitable.
- d) When solving problems, make no use of that part of your background knowledge that is part of folk culture.

155- According to the passage, the "necessary attributes" mentioned in paragraph 4 ---- -----?

- a) can be the end result of work in mathematics
- b) may at times prove to be too difficult to identify in the first place
- c) can help accelerate the search for the right solution to a problem
- d) are organic to the integrity of not only mathematics but also chemistry

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Passage 2:

The world's honeybees appear to be dying off in horrifying numbers, and now consensus is starting to emerge on the reason why: it seems there is no one cause. Infections, lack of food, pesticides and breeding -- none catastrophic on their own -- are having a synergistic effect, pushing bee survival to a lethal tipping point. A somewhat anti-climactic conclusion it may be, but appreciating this complexity -- and realizing there will be no magic bullet -- may be the key to saving the insects.

A third of our food relies on bees for pollination. Both the US and UK report losing a third of their bees last year. Other European countries have seen major die-offs too: Italy, for example, said it lost nearly half its bees last year. The deaths are now spreading to Asia, with reports in India and suspected cases in China.

But while individual "sub-lethal stresses" such as infections are implicated, we know little about how they add together. The situation should become clearer in the next few years as the US government, the EU and others are pouring money into bee research. The UK, for example, has doubled its annual research budget, allocating £400,000 a year for the next five years.

On top of that, the UK National Bee Unit will get £2.3 million to map the problem. This money is urgently needed, says Peter Neumann of the Swiss Bee Research Centre in Berne, who runs COLLOSS, a network of researchers studying colony loss in 36 countries. "We don't have the data to assess the situation in Europe, never mind the world," he says.

The main stress facing bees is the varroa mite, a parasite from Siberia that has now spread everywhere but Australia. Mite infestations steeply reduce bees' resistance to viral infection. Worryingly, the mites are developing resistance to the pesticides used to control them, forcing beekeepers to use methods that are often less effective.

French and German beekeepers blame their losses on insecticides called neonicotinoids -- but France banned them 10 years ago and its bees are still dying. Neumann suspects a wider problem, citing experiments showing that agricultural chemicals that are safe for bees when used alone are lethal in combination. "Farmers increasingly combine sprays," he says. They also leave few flowering weeds, depriving bees of essential nutrients from different kinds of pollen, he adds.

156- Which of the following best describes "this complexity" as it is used in paragraph 1?

- a) Honeybee's survival being uncertain
- b) Honeybees' being attacked on many fronts
- c) The unpromising prospect for saving honeybees
- d) The intricate relationship between saving all insects and saving honeybees

157- What is the function of paragraph 2 in relation to paragraph 1?

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- a) It qualifies the conclusion made in paragraph 1.
- b) It provides specific information lending support to the problem portrayed in paragraph 1.
- c) It questions the possibility of finding a solution to the problem described in paragraph 1.
- d) It brings in facts and figures disproving the claim made in paragraph 1 to the effect that honeybees are actually being pushed to a lethal tipping point.

158- The passage provides sufficient information to answer which of the following questions?

- a) Why did Italy lose fewer honeybees than the US and the UK?
- b) Why does the author state that each single cause of honeybee die-offs is not catastrophic on its own?
- c) Why is Siberia a good place for the growth of a parasite that is said to be the main culprit for honeybees' dying off across the world?
- d) Why is it that the author claims that the synergistic effect of various causes of honey bee losses would be clearer in the near future?

159- The word "them" in paragraph 5 refers to -----.

- a) mites
- b) pesticides
- c) infestations
- d) bees

160- Why does the author mention "France" in the last paragraph of the passage?

- a) To emphasize the inefficacy of current anti-parasite strategies
- b) To refer to the length of the existence of a persistent problem
- c) To introduce a country with a novel solution
- d) To refute an earlier assertion

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- f) to be in
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Becoming aware of the relevant constraints can be powerfully liberating. Filtering out your thoughts this way may at first seem as though it would censor potentially good ideas. But, on the contrary, identifying the underlying attributes of real solutions can actually help generate ideas.

When you are faced with a difficult problem, it's all too easy to get caught up in what you don't know. So instead begin by figuring out what you do know about the solution, even if it is incomplete. Identify all the attributes that will be a necessary part of any workable solution. These necessary attributes are the principles (mathematicians call them axioms) that will serve

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as problem-solving catalysts. A great advantage of this principle-centered approach is that it helps to focus your search by preventing you from having to start from scratch every time you run into a roadblock.

151- What is the best title for the passage?

- e) How to Be Creative
- f) Principled Problem Solving
- g) Virtues of Brainstorming
- h) Thinking Outside the Box: Pros and Cons

152- Which of the following best describes the author's attitude towards the quoted statements in paragraph 1?

- e) Pointed opposition
- f) Skeptical but resigned
- g) Reproachful and disturbed
- h) Partial endorsement

153- The author implies that if you try to solve problems on the basis of the axiom according to which all boundaries that prevent you from innovating are to be broken, you would then -----.

- e) come up with a number of workable and unworkable plans between which you cannot make a distinction
- f) never be able to extricate yourself from popular, non-academic approaches to problem solving
- g) beat more about the bush due to not having channeled your search already
- h) find yourself imprisoned within a hypothetical box of limited viable options

154- Which of the following statements is the author more likely to agree with?

- e) Letting constraints filter and guide your thinking can often be the best way to reach truly creative solutions.
- f) Becoming aware of the relevant constraints may adversely affect the generation of certain pragmatic solutions.
- g) When faced with a difficult problem, getting caught up in a web of relevant and irrelevant constraints is inevitable.
- h) When solving problems, make no use of that part of your background knowledge that is part of folk culture.

155- According to the passage, the "necessary attributes" mentioned in paragraph 4 ---- -----?

- e) can be the end result of work in mathematics
- f) may at times prove to be too difficult to identify in the first place
- g) can help accelerate the search for the right solution to a problem
- h) are organic to the integrity of not only mathematics but also chemistry

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Passage 2:

The world's honeybees appear to be dying off in horrifying numbers, and now consensus is starting to emerge on the reason why: it seems there is no one cause. Infections, lack of food, pesticides and breeding -- none catastrophic on their own -- are having a synergistic effect, pushing bee survival to a lethal tipping point. A somewhat anti-climactic conclusion it may be, but appreciating this complexity -- and realizing there will be no magic bullet -- may be the key to saving the insects.

A third of our food relies on bees for pollination. Both the US and UK report losing a third of their bees last year. Other European countries have seen major die-offs too: Italy, for example, said it lost nearly half its bees last year. The deaths are now spreading to Asia, with reports in India and suspected cases in China.

But while individual "sub-lethal stresses" such as infections are implicated, we know little about how they add together. The situation should become clearer in the next few years as the US government, the EU and others are pouring money into bee research. The UK, for example, has doubled its annual research budget, allocating £400,000 a year for the next five years.

On top of that, the UK National Bee Unit will get £2.3 million to map the problem. This money is urgently needed, says Peter Neumann of the Swiss Bee Research Centre in Berne, who runs COLLOSS, a network of researchers studying colony loss in 36 countries. "We don't have the data to assess the situation in Europe, never mind the world," he says.

The main stress facing bees is the varroa mite, a parasite from Siberia that has now spread everywhere but Australia. Mite infestations steeply reduce bees' resistance to viral infection. Worryingly, the mites are developing resistance to the pesticides used to control them, forcing beekeepers to use methods that are often less effective.

French and German beekeepers blame their losses on insecticides called neonicotinoids -- but France banned them 10 years ago and its bees are still dying. Neumann suspects a wider problem, citing experiments showing that agricultural chemicals that are safe for bees when used alone are lethal in combination. "Farmers increasingly combine sprays," he says. They also leave few flowering weeds, depriving bees of essential nutrients from different kinds of pollen, he adds.

156- Which of the following best describes "this complexity" as it is used in paragraph 1?

- e) Honeybee's survival being uncertain
- f) Honeybees' being attacked on many fronts
- g) The unpromising prospect for saving honeybees
- h) The intricate relationship between saving all insects and saving honeybees

157- What is the function of paragraph 2 in relation to paragraph 1?

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- e) It qualifies the conclusion made in paragraph 1.
- f) It provides specific information lending support to the problem portrayed in paragraph 1.
- g) It questions the possibility of finding a solution to the problem described in paragraph 1.
- h) It brings in facts and figures disproving the claim made in paragraph 1 to the effect that honeybees are actually being pushed to a lethal tipping point.

158- The passage provides sufficient information to answer which of the following questions?

- e) Why did Italy lose fewer honeybees than the US and the UK?
- f) Why does the author state that each single cause of honeybee die-offs is not catastrophic on its own?
- g) Why is Siberia a good place for the growth of a parasite that is said to be the main culprit for honeybees' dying off across the world?
- h) Why is it that the author claims that the synergistic effect of various causes of honey bee losses would be clearer in the near future?

159- The word "them" in paragraph 5 refers to -----.

- e) mites
- f) pesticides
- g) infestations
- h) bees

160- Why does the author mention "France" in the last paragraph of the passage?

- e) To emphasize the inefficacy of current anti-parasite strategies
- f) To refer to the length of the existence of a persistent problem
- g) To introduce a country with a novel solution
- h) To refute an earlier assertion

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- g) but cancer remains of
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137- Oil spills can occur on land or in rivers and lakes, but the most serious spills tend to involve tankers ----- the open seas.

- e) when travel
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- h) that they travel

138- Although Freud himself was primarily concerned with research and psychoanalytic theory rather than with therapy, many people would like to know ----- today, and whether it is considered an effective treatment for neurotic disorders.

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- f) how psychoanalysis stands
- g) that how psychoanalysis stands
- h) that how does psychoanalysis stand

Part B. Vocabulary

Directions: Select the answer choice (a), (b), (c), or (d) that could best complete the blank in the following questions. Then mark your answer on your answer sheet.

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- e) inundated
- f) simulated
- g) duplicated
- h) accumulated

140- Anorexia nervosa, self-induced starvation out of an intense fear of becoming -----, was first described 100 years ago.

- e) obese
- f) gullible
- g) maniac
- h) skeptical

141- Located between Germany and France and in ----- of other European nations, the region known as Alsace has attracted travelers as well as invader through history.

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- e) immunity
- f) diversity
- g) proximity
- h) superiority

**142- The defense attorney was not able to find a witness whose version of the incident ---
----- with that of the accused.**

- e) concurred
- f) contended
- g) congregated
- h) contemplated

**143- The airplane crash was tragic, killing many people immediately and inflicting
injuries on others that would eventually prove -----.**

- e) hostile
- f) stealthy
- g) cynical
- h) fatal

**144- The pioneers who lived through the first bitter winters in the rugged wilderness must
have had remarkable -----.**

- e) precision
- f) magnificence
- g) stamina
- h) seclusion

**145- With ----- it is easy to say that they should not have released the man. I wonder
how they could ever trust such a person.**

- e) humility
- f) hindrance
- g) hindsight
- h) homogeneity

**146- While there are numerous talks and courses that focus on presentation techniques,
the best way to ----- presentation skills is through practice and experience.**

- e) exploit
- f) hone
- g) divulge
- h) curtail

**147- Although no one was interested in buying Vincent Van Gogh's paintings during hi
lifetime, they now sell for ----- prices.**

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- e) eccentric
- f) equivocal
- g) exuberant
- h) exorbitant

148- The ability of the Wright brothers to analyze a mechanical problem and move toward a solution was apparent from the ----- of their work in aeronautics.

- e) outset
- f) vigilance
- g) foresight
- h) charisma

149- Mr. Collins was fast becoming an ----- member of the office, so they had no choice but to offer him a higher salary to stay on.

- e) inadvertent
- f) indispensable
- g) indomitable
- h) incompatible

150- The open-minded minister who disagreed with the monarch's views was inevitably ousted and replaced by someone more -----.

- e) subservient
- f) superfluous
- g) sumptuous
- h) superficial

Part C. Reading Comprehension

Directions: Read the following two passages and select the choice (a), (b), (c), or (d) that best answers each question. Then mark your answer on your answer sheet.

Passage 1:

The human ABO blood groups were discovered by Austrian-born American biologist Karl Landsteiner in 1901. Landsteiner found that there are substances in the blood, antigens and antibodies, that induce clumping of red cells when red cells of one type are added to those of a second type. He recognized three groups -- A, B, and O -- based on their reactions to each other. A fourth group, AB, was identified a year later by another research team. Red cells of the A

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group clump with donor blood of the B group; those of the B group clump with blood of the A group; those of the AB group clump with those of the A or the B group because AB cells contain both A and B antigens; and those of the O group do not generally clump with any group, because they do not contain either A or B antigens. The application of knowledge of the ABO system in blood transfusion practice is of enormous importance, since mistakes can have horrible consequences. In 1914 sodium citrate was added to freshly drawn blood to prevent clotting. Blood was occasionally transfused during World War I, but three-quarters of a pint was considered a large amount. These transfusions were given by directly linking the vein of a donor with that of the recipient. The continuous drip method, in which blood flows from a flask, was introduced by Hugh Marriott and Alan Kekwick at the Middlesex Hospital, London, in 1935.

The discovery of the Rh system by Landsteiner and Alexander Wiener in 1940 was made because they tested human red cells with antisera (animal or human serum containing antibodies specific for one or more antigens) developed in rabbits and guinea pigs by immunization of the animals with the red cells of the rhesus monkey *Macaca mulatta*. Other blood groups were identified later, such as Kell, Diego, Lutheran, Duffy, and Kidd. The remaining blood group systems were first described after antibodies were identified in patients. Frequently, such discoveries resulted from the search for the explanation of an unexpected unfavorable reaction in a recipient after a transfusion with formerly compatible blood.

151- What is the passage mainly about?

- e) Blood transfusion in World War I
- f) Early attempts at blood transfusion
- g) Great medical achievements in the 20th century
- h) Discovery of human blood groups and the Rh system

152- Which of the following is NOT true about the AB blood group?

- e) AB cells carry both A and B antigens.
- f) It was discovered by Karl Landsteiner.
- g) It was discovered in the early 20th century.
- h) The red cells of the AB group clump with those of the A or the B group.

153- What does "that" in paragraph 1 refer to?

- e) Vein
- f) Linking
- g) Donor
- h) Recipient

154- Which of the following animals does the author NOT mention in the passage?

- e) Guinea pigs
- f) Monkeys
- g) Rats

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h) Rabbits

155- Which of the following can be inferred from the passage?

- e) Adding sodium citrate to fresh blood to prevent clotting resulted in discovery of the Rh system.
- f) The continuous dip method was first practiced during World War I to transfuse three-quarters of a pint of blood.
- g) The Rh system was discovered by Karl Landsteiner and his colleague at the Middlesex Hospital, London.
- h) Other blood groups were later identified because the outcome of a number of blood transfusions was not successful.

Passage 2:

At the start of his career, Albert Bandura focused on learning. Most of the research at that time was concerned with learning from direct experience. At that time it was widely assumed that learning could only occur by responding to stimuli and experiencing their effects. Bandura felt that this line of theorizing was at odds with informal evidence that virtually all learning resulting from direct experience occurs on a vicarious basis -- by observing other people's behavior and its consequences for them. Whereas behaviorism tended to emphasize the influence of the environment on behavior, Bandura was interested in the influence of behavior on the environment. In this respect his position is closer to that of Jacob Kantor, whose "interbehaviorism" argues that the organism and stimulus objects surrounding it should be treated as equally important, a position that presaged the emergence of ecological psychology. Bandura referred to his concept of environment -- behavior interaction as "reciprocal determinism" -- the notion that the environment and a person's behavior cause one other. He developed this idea to a point where he began to consider the interaction between environment, behavior and the person's psychological processes. Once he started to consider a role for mental imagery, he ceased to be a strict behaviorist and became a cognitive psychologist. Indeed, he is often regarded as a "founding father" of cognitive behaviorism. His theoretically ambitious *Social Learning Theory* (1977) set out to "provide a unified theoretical framework for analyzing human thought and behavior" (p. vi). While his introduction of cognitive concepts into behaviorism marked a clear departure from traditional behaviorism, it also marked a point where Bandura began to consider observational learning (modelling) and self-regulation. This interest led to a program of research on the determinants and mechanisms of observational learning and modelling of rule-governed behavior. He distinguished between three kinds of models: live (e.g. the behavior of a friend); symbolic (e.g. the behavior of an actor on TV); and verbal (e.g. the behavior of someone described in a short story or novel). The enormous advances in communication technology through the last century (from radio to television and the internet) mean that the symbolic environment plays an increasingly powerful role in shaping values, ideas, attitudes and lifestyles, so Bandura's work is particularly relevant to contemporary developments in the growth of information and communication technology.

156- Which of the following is TRUE about Bandura's early research?

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- e) He believed that learning occurs by responding to external stimuli.
- f) He was interested in collecting informal evidence to prove his learning theories.
- g) He argued that the organism is much more important than the stimulus objects surrounding it.
- h) He was interested in studying the mutual relationship between the behavior and the environment.

157- Why is Bandura known as a founding father of cognitive behaviorism?

- e) He was inspired by research findings in ecological psychology.
- f) He was under the influence of Jacob Kantor's interbehaviorism.
- g) He shifted his attention to the role of human thought and mental imagery.
- h) He was an ambitious theoretician who had grown tired of classical behaviorism.

158- What does "he ceased to be a strict behaviorist" in line 15 mean?

- e) He was no more a strong supporter of behaviorism.
- f) He continued to be a faithful advocate of behaviorism.
- g) He tried to be a conservative follower of behaviorism.
- h) He strongly updated his behavioristic views.

159- Which of the following can be inferred from the passage?

- e) Bandura worked on the concepts of modelling and self-regulated learning.
- f) Though a psychologist, Bandura contributed significantly to information technology.
- g) Bandura directed a research program that led to the discovery of rule-governed values.
- h) The importance of Bandura's findings are highlighted by advances in communication technology.

160- Which of the following would the paragraph following the passage most probably discuss?

- e) The values that communication technology cannot aptly address
- f) The relevance of symbolic behavior to an aspect of communication technology
- g) The variables that attracted Bandura to directly work in information and communication technology
- h) The difference between the symbolic environment and the one created by the growth of information and communication technology

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- i) immunity
- j) diversity
- k) proximity
- l) superiority

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- i) eccentric
- j) equivocal
- k) exuberant
- l) exorbitant

148- The ability of the Wright brothers to analyze a mechanical problem and move toward a solution was apparent from the ----- of their work in aeronautics.

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150- The open-minded minister who disagreed with the monarch's views was inevitably ousted and replaced by someone more -----.

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- l) superficial

Part C. Reading Comprehension

Directions: Read the following two passages and select the choice (a), (b), (c), or (d) that best answers each question. Then mark your answer on your answer sheet.

Passage 1:

The human ABO blood groups were discovered by Austrian-born American biologist Karl Landsteiner in 1901. Landsteiner found that there are substances in the blood, antigens and antibodies, that induce clumping of red cells when red cells of one type are added to those of a second type. He recognized three groups -- A, B, and O -- based on their reactions to each other. A fourth group, AB, was identified a year later by another research team. Red cells of the A

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group clump with donor blood of the B group; those of the B group clump with blood of the A group; those of the AB group clump with those of the A or the B group because AB cells contain both A and B antigens; and those of the O group do not generally clump with any group, because they do not contain either A or B antigens. The application of knowledge of the ABO system in blood transfusion practice is of enormous importance, since mistakes can have horrible consequences. In 1914 sodium citrate was added to freshly drawn blood to prevent clotting. Blood was occasionally transfused during World War I, but three-quarters of a pint was considered a large amount. These transfusions were given by directly linking the vein of a donor with that of the recipient. The continuous drip method, in which blood flows from a flask, was introduced by Hugh Marriott and Alan Kekwick at the Middlesex Hospital, London, in 1935.

The discovery of the Rh system by Landsteiner and Alexander Wiener in 1940 was made because they tested human red cells with antisera (animal or human serum containing antibodies specific for one or more antigens) developed in rabbits and guinea pigs by immunization of the animals with the red cells of the rhesus monkey *Macaca mulatta*. Other blood groups were identified later, such as Kell, Diego, Lutheran, Duffy, and Kidd. The remaining blood group systems were first described after antibodies were identified in patients. Frequently, such discoveries resulted from the search for the explanation of an unexpected unfavorable reaction in a recipient after a transfusion with formerly compatible blood.

151- What is the passage mainly about?

- i) Blood transfusion in World War I
- j) Early attempts at blood transfusion
- k) Great medical achievements in the 20th century
- l) Discovery of human blood groups and the Rh system

152- Which of the following is NOT true about the AB blood group?

- i) AB cells carry both A and B antigens.
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153- What does "that" in paragraph 1 refer to?

- i) Vein
- j) Linking
- k) Donor
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- i) Guinea pigs
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l) Rabbits

155- Which of the following can be inferred from the passage?

- i) Adding sodium citrate to fresh blood to prevent clotting resulted in discovery of the Rh system.
- j) The continuous dip method was first practiced during World War I to transfuse three-quarters of a pint of blood.
- k) The Rh system was discovered by Karl Landsteiner and his colleague at the Middlesex Hospital, London.
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Passage 2:

At the start of his career, Albert Bandura focused on learning. Most of the research at that time was concerned with learning from direct experience. At that time it was widely assumed that learning could only occur by responding to stimuli and experiencing their effects. Bandura felt that this line of theorizing was at odds with informal evidence that virtually all learning resulting from direct experience occurs on a vicarious basis -- by observing other people's behavior and its consequences for them. Whereas behaviorism tended to emphasize the influence of the environment on behavior, Bandura was interested in the influence of behavior on the environment. In this respect his position is closer to that of Jacob Kantor, whose "interbehaviorism" argues that the organism and stimulus objects surrounding it should be treated as equally important, a position that presaged the emergence of ecological psychology. Bandura referred to his concept of environment -- behavior interaction as "reciprocal determinism" -- the notion that the environment and a person's behavior cause one other. He developed this idea to a point where he began to consider the interaction between environment, behavior and the person's psychological processes. Once he started to consider a role for mental imagery, he ceased to be a strict behaviorist and became a cognitive psychologist. Indeed, he is often regarded as a "founding father" of cognitive behaviorism. His theoretically ambitious *Social Learning Theory* (1977) set out to "provide a unified theoretical framework for analyzing human thought and behavior" (p. vi). While his introduction of cognitive concepts into behaviorism marked a clear departure from traditional behaviorism, it also marked a point where Bandura began to consider observational learning (modelling) and self-regulation. This interest led to a program of research on the determinants and mechanisms of observational learning and modelling of rule-governed behavior. He distinguished between three kinds of models: live (e.g. the behavior of a friend); symbolic (e.g. the behavior of an actor on TV); and verbal (e.g. the behavior of someone described in a short story or novel). The enormous advances in communication technology through the last century (from radio to television and the internet) mean that the symbolic environment plays an increasingly powerful role in shaping values, ideas, attitudes and lifestyles, so Bandura's work is particularly relevant to contemporary developments in the growth of information and communication technology.

156- Which of the following is TRUE about Bandura's early research?

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- i) He believed that learning occurs by responding to external stimuli.
- j) He was interested in collecting informal evidence to prove his learning theories.
- k) He argued that the organism is much more important than the stimulus objects surrounding it.
- l) He was interested in studying the mutual relationship between the behavior and the environment.

157- Why is Bandura known as a founding father of cognitive behaviorism?

- i) He was inspired by research findings in ecological psychology.
- j) He was under the influence of Jacob Kantor's interbehaviorism.
- k) He shifted his attention to the role of human thought and mental imagery.
- l) He was an ambitious theoretician who had grown tired of classical behaviorism.

158- What does "he ceased to be a strict behaviorist" in line 15 mean?

- i) He was no more a strong supporter of behaviorism.
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- i) Bandura worked on the concepts of modelling and self-regulated learning.
- j) Though a psychologist, Bandura contributed significantly to information technology.
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- l) The importance of Bandura's findings are highlighted by advances in communication technology.

160- Which of the following would the paragraph following the passage most probably discuss?

- i) The values that communication technology cannot aptly address
- j) The relevance of symbolic behavior to an aspect of communication technology
- k) The variables that attracted Bandura to directly work in information and communication technology
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Part A. Grammar

Directions: Select the answer choice (a), (b), (c), or (d) that could best complete the blank in the following questions. Then mark your answer on your answer sheet.

131- In about 387 BC Plato ----- the Academy as an institute for the systematic pursuit of philosophical and scientific teaching and research.

- m) founded
- n) was founded
- o) who founded
- p) who had founded

132- With its radiant color and plantlike shape, the sea anemone -----a flower than an animal.

- m) looks the same
- n) is looking more like
- o) looks more like
- p) is looking the same

133- Critics often claim that ----- *Don Quixote*, he would undoubtedly be an obscure writer in world literature today.

- m) if Cervantes did not write
- n) Cervantes had not written
- o) if Cervantes would not write
- p) had Cervantes not written

134- An impressive set of studies demonstrates that cognitive development during the school years ----- by complex and demanding work without close supervision and by high teacher expectations.

- m) and has enhanced
- n) is enhanced
- o) which is enhanced
- p) which has been enhanced

135- Neither sympathy nor empathy is identical to the "I know how you feel" type of response that some people offer when ----- another's expression of emotion.

- m) facing to
- n) are facing to
- o) faced with
- p) they faced with

136- Despite intensive research into causes and treatments, ----- a constant threat and topic for discussion for many researchers.

- m) cancer remains

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- n) the cancer remains of
- o) but cancer remains of
- p) but the cancer remains

137- Oil spills can occur on land or in rivers and lakes, but the most serious spills tend to involve tankers ----- the open seas.

- m) when travel
- n) that travel
- o) in which travel
- p) that they travel

138- Although Freud himself was primarily concerned with research and psychoanalytic theory rather than with therapy, many people would like to know ----- today, and whether it is considered an effective treatment for neurotic disorders.

- m) how does psychoanalysis stand
- n) how psychoanalysis stands
- o) that how psychoanalysis stands
- p) that how does psychoanalysis stand

Part B. Vocabulary

Directions: Select the answer choice (a), (b), (c), or (d) that could best complete the blank in the following questions. Then mark your answer on your answer sheet.

139- Although aluminum is not a heavy metal, ----- evidence suggests that this substance may be harmful to our health.

- m) inundated
- n) simulated
- o) duplicated
- p) accumulated

140- Anorexia nervosa, self-induced starvation out of an intense fear of becoming -----, was first described 100 years ago.

- m) obese
- n) gullible
- o) maniac
- p) skeptical

141- Located between Germany and France and in ----- of other European nations, the region known as Alsace has attracted travelers as well as invader through history.

- m) immunity

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- m) Guinea pigs
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- o) Rats
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At the start of his career, Albert Bandura focused on learning. Most of the research at that time was concerned with learning from direct experience. At that time it was widely assumed that learning could only occur by responding to stimuli and experiencing their effects. Bandura felt that this line of theorizing was at odds with informal evidence that virtually all learning resulting from direct experience occurs on a vicarious basis -- by observing other people's behavior and its consequences for them. Whereas behaviorism tended to emphasize the influence of the environment on behavior, Bandura was interested in the influence of behavior on the environment. In this respect his position is closer to that of Jacob Kantor, whose "interbehaviorism" argues that the organism and stimulus objects surrounding it should be treated as equally important, a position that presaged the emergence of ecological psychology. Bandura referred to his concept of environment -- behavior interaction as "reciprocal determinism" -- the notion that the environment and a person's behavior cause one other. He developed this idea to a point where he began to consider the interaction between environment, behavior and the person's psychological processes. Once he started to consider a role for mental imagery, he ceased to be a strict behaviorist and became a cognitive psychologist. Indeed, he is often regarded as a "founding father" of cognitive behaviorism. His theoretically ambitious *Social Learning Theory* (1977) set out to "provide a unified theoretical framework for analyzing human thought and behavior" (p. vi). While his introduction of cognitive concepts into behaviorism marked a clear departure from traditional behaviorism, it also marked a point where Bandura began to consider observational learning (modelling) and self-regulation. This interest led to a program of research on the determinants and mechanisms of observational learning and modelling of rule-governed behavior. He distinguished between three kinds of models: live (e.g. the behavior of a friend); symbolic (e.g. the behavior of an actor on TV); and verbal (e.g. the behavior of someone described in a short story or novel). The enormous advances in communication technology through the last century (from radio to television and the internet) mean that the symbolic environment plays an increasingly powerful role in shaping values, ideas, attitudes and lifestyles, so Bandura's work is particularly relevant to contemporary developments in the growth of information and communication technology.

156- Which of the following is TRUE about Bandura's early research?

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