



دفترچه سؤال

آزمون «۱۹ مرداد ۱۴۰۳»

دفترچه اختصاصی منحصرأ زبان

تعداد کل سؤالات: ۷۰ زمان پاسخ‌گویی: ۱۰۵ دقیقه

اختصاصی				
نام درس	تعداد سؤال	شماره سؤال	شماره صفحه	زمان پاسخ‌گویی
زبان انگلیسی تخصصی	۷۰	۱-۷۰	۳-۸	۱۰۵ دقیقه

بنیاد علمی آموزشی قلم‌چی «وقف عام»

دفتر مرکزی: خیابان انقلاب بین صبا و فلسطین - پلاک ۹۳۳ - تلفن: ۰۲۱-۸۴۵۱

«تمام داری‌ها و درآمدهای بنیاد علمی آموزشی قلم‌چی وقف عام است بر گسترش دانش و آموزش»



پدید آورندگان

آزمون منحصرأ زبان

۱۹ مرداد ماه ۱۴۰۳

طراحان

نام طراحان	نام درس
رحمتاله استیری، عقیل محمدی روش، محسن رحیمی، عباسعلی عباسی، آرمین رحمانی، محمدمهدی حسینی راد، بیتا قربان پور، سیدمهدی خبازی، امیرمهدی عالی، سامان بیقرض، محمدمهدی دغلاوی	زبان تخصصی

گزینشگران و ویراستاران

نام درس	زبان انگلیسی تخصصی
گزینشگر	رحمتاله استیری
مسئول درس	رحمتاله استیری
ویراستار	فاطمه نقدی، سعید آچه‌لو، عقیل محمدی روش

گروه فنی و تولید

مدیران گروه	محدثه مرآتی
مسئول دفترچه	معصومه شاعری
مستندسازی و مطابقت با مصوبات	مدیر: مجیا اصغری مسئول دفترچه: سوگند بیگلری
حروف‌نگاری و صفحه‌آرایی	زهرا تاجیک
ناظر چاپ	حمید عباسی

بنیاد علمی آموزشی قلم‌چی «وقف عام»

دفتر مرکزی: خیابان انقلاب بین صبا و فلسطین - پلاک ۹۲۳ - تلفن: ۰۲۱-۶۴۶۳

زبان تخصصی

هدف‌گذاری قبل از شروع هر درس در دفترچه سؤال
 لطفاً قبل از شروع پاسخ‌گویی به سؤال‌های درس منحصراً زبان، هدف‌گذاری چند از ۱۰ خود را بنویسید:
 از هر ۱۰ سؤال به چند سؤال می‌توانید پاسخ صحیح بدهید؟
 عملکرد شما در آزمون قبل چند از ۱۰ بوده است؟
 هدف‌گذاری شما برای آزمون امروز چیست؟

۱۰۵ دقیقه

چند از ۱۰ آزمون قبل هدف‌گذاری چند از ۱۰ برای آزمون امروز

Part A: Grammar

Directions: Questions 1-15 are incomplete sentences. Beneath each sentence you will see four words or phrases marked (1), (2), (3), and (4). Choose the one word or phrase that best completes the sentence. Then mark the correct choice on your answer sheet.

- 1-Somebody is going to need to handle the project, even though the team remains optimistic about meeting the deadline with everyone's collaborative efforts and dedication, ...?
 - 1) isn't he
 - 2) aren't they
 - 3) doesn't it
 - 4) don't they
- 2-There was a sudden change in the weather, for the storm clouds gathered quickly, casting a dark shadow over the previously sunny and bright afternoon sky, ...?
 - 1) wasn't it
 - 2) did there
 - 3) wasn't there
 - 4) didn't they
- 3-Because the event was canceled, those who had planned to attend were disappointed, leaving many scrambling to find alternative activities for the weekend, ...?
 - 1) hadn't they
 - 2) wasn't it
 - 3) weren't they
 - 4) isn't it
- 4-The meeting had hardly begun when the fire alarm went off, and although everyone left the room quickly, they were frustrated by the interruption and subsequent delay, ...?
 - 1) weren't they
 - 2) had it
 - 3) didn't they
 - 4) didn't it
- 5-They had scarcely found shelter when the storm intensified, unleashing fierce winds and lightning, ...?
 - 1) didn't it
 - 2) had they
 - 3) did it
 - 4) hadn't they
- 6-I remember nervously ... my research at an international conference in Seoul and feeling a rush of exhilaration when it was well-received by the audience.
 - 1) to present
 - 2) presenting
 - 3) to have presented
 - 4) being presented
- 7-He encouraged his friend ... his fear of public speaking by offering guidance, support, and opportunities to practice in a safe and nurturing environment.
 - 1) by overcoming
 - 2) overcoming
 - 3) to overcome
 - 4) who overcomes
- 8-As much as he tried to resist, he couldn't help but ... the way she handled difficult situations with grace and composure.
 - 1) be admired
 - 2) admiring
 - 3) admire
 - 4) to admire
- 9-She, the embodiment of moral fortitude and empathy, made him ... the depth of his wrongdoings and make a heartfelt apology to those he had harmed.
 - 1) be confronted
 - 2) to confront
 - 3) confront
 - 4) confronting
- 10-After searching for hours, I finally found the hidden key ... behind the bookshelf and let out a sigh of relief.
 - 1) tuck
 - 2) tucking
 - 3) to tuck
 - 4) tucked
- 11-A couple of software updates ... next month to address performance issues reported by users.
 - 1) is scheduled for releasing
 - 2) are scheduled to release
 - 3) is scheduled to be released
 - 4) are scheduled for release
- 12-Neither the CEO's absence nor the recent leadership changes ... operational continuity and client satisfaction.
 - 1) has disrupted our commitment to maintaining
 - 2) disrupted our commitment to maintain
 - 3) disrupted our commitment to be maintained
 - 4) have disrupted our commitment to maintaining
- 13-The number of factors, including market volatility and geopolitical uncertainties, as well as changes in regulatory policies, ... our financial projections for the upcoming quarter.
 - 1) has impacted
 - 2) impacting
 - 3) have impacted
 - 4) which can impact
- 14-More than one solution ... during the brainstorming session to address the recurring software glitches.
 - 1) were proposed
 - 2) was proposed
 - 3) have been proposed
 - 4) is going to propose
- 15-Every one of the strategic pivots undertaken by our organization ... a deep understanding of emerging market trends and consumer behavior shifts.
 - 1) reflect
 - 2) to reflect
 - 3) have reflected
 - 4) reflects

Part B: Vocabulary

Directions: Questions 16-35 are incomplete sentences. Beneath each sentence you will see four words or phrases marked (1), (2), (3), and (4). Choose the one word or phrase that best completes the sentence. Then mark the correct choice on your answer sheet.

- 16-Songwriter Arthur Schwartz regarded Ira's efforts to be a truly ... feat, when one considers he was required to be brilliant within the most confining rhythms and accents.
1) phenomenal 2) outrageous 3) chimerical 4) mundane
- 17-Scientific agreement suggests that dopamine's function goes beyond ... causing euphoria. Instead, it acts as a key reinforcer that helps repeat pleasurable experiences.
1) overtly 2) accordingly 3) directly 4) constantly
- 18-The federal government should immediately undertake the development of a national adaptation strategy and build durable institutions to ... that strategy and improve it over time.
1) progress 2) implement 3) launch 4) conduct
- 19-Military vehicles are commonly armored to ... the impact of bullets, rockets and missiles, protecting the personnel inside from enemy fire.
1) counter 2) withdraw 3) bounce 4) withstand
- 20-Scheduling algorithms strive to achieve a balance between preventing resource starvation and guaranteeing fairness for all parties ... the resources.
1) maintaining 2) gaining 3) utilizing 4) acquiring
- 21-Air accident investigators were able to rule out human ... as a cause of the crash.
1) flow 2) error 3) role 4) resource
- 22-A: I'm trying to stop smoking, but it is really hard for me.
B: Well, at least you should try to ...
1) throw away 2) come away 3) break down 4) cut down
- 23-With this computer program, if you have no idea what the answer is, you can click on the button and it will give you a
1) flag 2) name 3) reward 4) hint
- 24-The noise from the roadwork was causing so much ... for nearby residents that they made a formal complaint to the city council.
1) distribution 2) aggravation 3) encouragement 4) function
- 25-Despite his deep ... about politics, he felt a glimmer of hope when the new, genuine candidate emerged during the election.
1) despotism 2) optimism 3) altruism 4) cynicism
- 26-As a young entrepreneur, he was ... to think that success would come easily without encountering any significant challenges along the way.
1) naive 2) crafty 3) cunning 4) diffident
- 27-Artists often ... the styles of the masters to learn techniques before developing their own unique perspectives.
1) eradicate 2) imitate 3) estimate 4) accelerate
- 28-The ecosystem is on the ... of collapse, and urgent action is needed to prevent irreversible damage to the environment.
1) throes 2) grip 3) mercy 4) verge
- 29-The fertility of the soil in the valley ensured that the crops thrived, resulting in a/an ... harvest year after year.
1) bountiful 2) woeful 3) inadequate 4) inherent
- 30-Trapped in a seemingly endless conversation with their overly talkative neighbor, the couple stood bored ... on their front porch, wishing for a swift conclusion to the one-sided dialogue.
1) infinite 2) capacious 3) rotten 4) rigid
- 31-The new employee's performance not only meets but consistently ... expectations, impressing her colleagues with her remarkable efficiency and dedication to her role.
1) exceeds 2) ceases 3) confines 4) exhibits
- 32-The company cared about doing the right thing because the managers had a clear That was the reason for its astonishing success.
1) hint 2) flavor 3) conscience 4) glory
- 33-To stay updated in his field, the doctor regularly ... up on the latest research and medical advancements.
1) stays 2) breaks 3) brushes 4) takes
- 34-The lawyer ... her client's innocence with compelling evidence, arguing passionately in court to sway the jury's opinion and secure a favorable verdict.
1) asserts 2) reviews 3) hunts 4) boosts
- 35-The ancient artifact unearthed from the tomb puzzled archaeologists with its ... symbols, which hinted at a lost civilization yet to be deciphered by modern scholarship.
1) philosophical 2) thrilling 3) obscure 4) exquisite

Part C: Sentence Structure

Directions: Choose the sentence with the best word order for each of the following series. Then mark the correct choice on your answer sheet.

36-

- 1) Since making his best efforts to maintain a professional demeanor, he felt a surge of jealousy when seeing his colleague receive the promotion which for it he had been worked towards for years.
- 2) Because of his best efforts to maintain a professional demeanor, he felt a surge of jealousy when saw his colleague receiving the promotion he had been working towards for years.
- 3) Although making his best efforts to maintain a professional demeanor, he felt a surge of jealousy when saw his colleague receiving the promotion that for it he had worked towards for years.
- 4) Despite his best efforts to maintain a professional demeanor, he felt a surge of jealousy when he saw his colleague receive the promotion he had been working towards for years.

37-

- 1) Although everything you do should be dictated by other people's opinions, but when you work in a group environment, you can't ignore their influence on your career neither.
- 2) Not everything you do should be dictated by other people's opinions, but when you work in a group environment, you can't ignore their influence on your career either.
- 3) As a result of everything you do should be dictated by other people's opinions, but also when you work in a group environment, you can't ignore their influence with your career neither.
- 4) Not only everything you do should be dictated by other people's opinions, also when working in a group environment, you can't ignore their influence on your career either.

38-

- 1) It has been said that the renowned architect, with the assistance of his team of talented designers, is designing a revolutionary building that will redefine modern architecture.
- 2) It has said that the renowned architect, along with the assistance of his team of talented designers, is designing a building revolutionary redefine modern architecture.
- 3) It has been said that the renowned architect, along with the assistance of his team of talented designers, are designing a revolutionary building that redefine modern architecture.
- 4) It has said that the renowned architect, along with the assistance of his team of talented designers, are designing a building revolutionary redefining modern architecture.

39-

- 1) The four compact, Persian, antique, beautiful rectangular, beige carpets are irreplaceable.
- 2) The four antique, compact, beige, rectangular, Persian, beautiful carpets are irreplaceable.
- 3) The four beautiful, compact, antique, rectangular, beige, Persian carpets are irreplaceable.
- 4) The four Persian, rectangular, beautiful, compact, beige, antique carpets are irreplaceable.

40-

- 1) Teaching himself how to assemble, modify, and enhancing 3D-printed robotic arms, at the engineering workshop, he progressed to more complex designs.
- 2) At the engineering workshop, he progressed to more complex designs, teaching himself how to assemble, modify, and enhance 3D-printed robotic arms.
- 3) He progressed to more complex designs at the engineering workshop, he taught himself how to assemble, modify, and enhance 3D-printed robotic arms.
- 4) How to assemble, modify, and enhance 3D-printed robotic arms, he taught himself and progressed to more complex designs at the engineering workshop.

Part D: Language Function

Directions: Read the following conversations between two people and answer the questions about the conversations by choosing one of the choices (1), (2), (3), or (4). Then mark the correct choice on your answer sheet.

A: Sarah, our sales have been really low this quarter.

B: Yeah, it's been tough. We need a game plan to turn things around.

A: Agreed. I think we've been ...(41)... with our marketing strategy.

B: You're right. Our current approach isn't working. Let's think of a way to ...(42)... up some business.

A: Good idea. Maybe we can ...(43)... by launching a new promotion that also boosts our social media presence.

B: That sounds like a solid plan. Let's get to work on it.

41- 1) backing the wrong horse

2) pulling the plug

3) sitting on the fence

4) barking up the wrong tree

42- 1) wrap

2) beat

3) drum

4) break

43- 1) grease the wheels

2) kill two birds with one stone

3) foot the bill

4) make a mountain out of a molehill

- A: Hey, did you hear about Julia's new business venture?
B: Yeah, she's really proving to be a ... (44) ...
A: What do you mean?
B: Well, she's always been a quiet person, but her business is booming unexpectedly.
A: That's impressive!
B: Absolutely! And you won't believe it, but the stock price of her company went ... (45) ... the roof last week.
A: Really? That's incredible!
B: Yes, investors are really excited about its growth potential.
- 44- 1) lame duck 2) cold fish
3) dark horse 4) guinea pig
45- 1) above 2) up
3) out 4) through

Part E: Cloze Test

Directions: Read the following passage and decide which choice (1), (2), (3), or (4) best fits each space. Then mark the correct choice on your answer sheet.

The first work that is now generally recognized as AI was done by Warren McCulloch and Walter Pitts. ... (46) ... by the mathematical modeling work of Pitts's advisor Nicolas Rashevsky, they drew on three sources: knowledge of the basic physiology and function of neurons in the brain; a formal analysis of propositional logic; and Turing's theory of computation. They proposed a model of artificial neurons ... (47) ... each neuron is characterized as being "on" or "off," with a switch to "on" occurring in ... (48) ... to stimulation by a sufficient number of neighboring neurons. The state of a neuron was conceived of as "factually equivalent to a proposition which proposed its adequate stimulus." They showed, for example, that any computable function could be computed by some network of connected neurons, ... (49) ... the logical connectives (AND, OR, NOT, etc.) could be implemented by simple network structures. McCulloch and Pitts also suggested that ... (50) ... could learn. Donald Hebb (1949) demonstrated a simple updating rule for modifying the connection strengths between neurons. His rule, now called Hebbian learning, ... (51) ... an influential model to this day.

Two undergraduate students at Harvard, Marvin Minsky and Dean Edmonds, built the first neural network computer in 1950. The SNARC, ... (52) ..., used 3000 vacuum tubes and a surplus automatic pilot mechanism from a B-24 bomber to ... (53) ... a network of 40 neurons. Later, at Princeton, Minsky studied universal computation in neural networks. His Ph.D. committee was ... (54) ... about whether this kind of work should be considered mathematics, but von Neumann reportedly said, "If it isn't now, it ... (55) ... someday soon."

- 46- 1) To inspire 2) Inspired 3) They were inspired 4) Inspiring
47- 1) in which 2) which 3) in that 4) whether
48- 1) result 2) revenue 3) response 4) nature
49- 1) and that all 2) all those 3) that all 4) all that
50- 1) networks are suitably defined 2) defined suitably networks
3) defined networks suitably 4) suitably defined networks
51- 1) remains 2) ponders 3) surrenders 4) utters
52- 1) called it as was 2) as was it called
3) it was as called 4) as it was called
53- 1) agitate 2) simulate 3) consult 4) jeopardize
54- 1) benign 2) skeptical 3) confident 4) redundant
55- 1) was 2) has been 3) will be 4) is

Part F: Reading Comprehension

Directions: In this part of the test, you will read three passages. Each passage is followed by some questions. Answer the questions about the passages by choosing the best choice (1), (2), (3), or (4). Then mark the correct choice on your answer sheet.

PASSAGE I:

Growing tightly packed together and collectively weaving a dense canopy of branches, a stand of red alder trees can totally dominate a site to the exclusion of almost everything else. Certain species such as salmonberry and sword ferns have adapted to the limited sunlight dappling through the canopy, but few evergreen trees will survive there; still fewer can compete with the early prodigious growth of alders. A Douglas fir tree reaches its maximum rate of growth ten years later than an alder, and if two of them begin life at the same time, the alder quickly outgrows and dominates the Douglas fir. After an alder canopy has closed, the Douglas fir suffers a marked decrease in growth, often dying within several years. Even more shade-tolerant species of trees such as hemlock may remain badly suppressed beneath aggressive young alders.

Companies engaged in intensive timber cropping naturally take a dim view of alders suppressing more valuable evergreen trees. But times are changing; a new generation of foresters seems better prepared to include in their management plans consideration of the vital ecological role alders play. Among the alder's valuable ecological contributions is its capacity to fix nitrogen in nitrogen-deficient soils. Alder roots contain clusters of nitrogen-fixing nodules like those found on legumes such as beans. In addition, newly developing soils exposed by recent glacier retreat and planted with alders show that these trees are applying the equivalent of ten bags of high-nitrogen fertilizer to each hectare per year. Other chemical changes to soil in which they are growing include a lowering of the base content and rise in soil acidity, as well as a substantial addition of carbon and calcium to the soil.

Another important role many alders play in the wild, particularly in mountainous areas, is to check the rush of water during spring melt. In Japan and elsewhere, the trees are planted to stabilize soil on steep mountain slopes. Similarly, alders have been planted to stabilize and rehabilitate waste material left over from old mines, flood deposits, and landslide areas in both Europe and Asia.

56-What is the author's main purpose in the passage?

- 1) To argue that alder trees are useful in forest management
- 2) To explain the life cycle of alder trees
- 3) To criticize the way alders take over and eliminate forests
- 4) To illustrate how alder trees control soil erosion

57-Alder trees can suppress the growth of nearby trees by depriving them of

- 1) nitrogen
- 2) sunlight
- 3) soil nutrients
- 4) water

58-According to the passage, hemlock trees

- 1) are similar in size to alder trees
- 2) interfere with the growth of Douglas fir trees
- 3) reduce the number of alder trees in the forest
- 4) need less sunlight than do Douglas fir trees

59-It can be inferred from paragraph 2 that previous generations of foresters

- 1) did not study the effects of alders on forests
- 2) did not want alders in forests
- 3) harvested alders for lumber
- 4) used alders to control the growth of evergreens

60-According to the passage, alders are used in mountainous areas to

- 1) prevent water from carrying away soil
- 2) hold the snow
- 3) protect mines
- 4) provide material for housing

PASSAGE 2:

Barbed wire, first patented in the United States in 1867, played an important part in the development of American farming, as it enabled the settlers to make effective fencing to enclose their land and keep cattle away from their crops. This had a considerable effect on cattle ranching, since the herds no longer had unrestricted use of the plains for grazing, and the fencing led to no more conflict between the farmers and the cattle ranchers.

Before barbed wire came into general use, fencing was often made from serrated wire, which was unsatisfactory because it broke easily when under strain, and could snap in cold weather due to contraction. The first practical machine for producing barbed wire was invented in 1874 by an Illinois farmer, and between then and the end of the century about 400 types of barbed wire were devised, of which only about a dozen were ever put to practical use.

Modern barbed wire is made from mild steel, high-tensile steel, or aluminum. Mild steel and aluminum barbed wire have two strands twisted together to form a cable which is stronger than single-strand wire and less affected by temperature changes. Single-strand wire, round or oval, is made from high-tensile steel with the barbs crimped or welded on. The steel wires used are galvanized — coated with zinc to make them rustproof. The two wires that make up the line wire or cable are fed separately into a machine at one end. They leave it at the other end twisted together and barbed. The wire to make the barbs is fed into the machine from the sides and cut to length by knives that cut diagonally through the wire to produce a sharp point. This process continues automatically, and the finished barbed wire is wound onto reels, usually made of wire, in lengths of 400 meters or in weights of up to 50 kilograms.

61-What is the main topic of the passage?

- 1) Cattle ranching in the United States
- 2) A type of fencing
- 3) Industrial uses of wire
- 4) A controversy over land use

62-The word “devised” in paragraph 2 could be best replaced by which of the following?

- 1) sustained 2) spread 3) invented 4) resisted

63-What is the benefit of using two-stranded barbed wire?

- 1) Improved rust-resistance 2) Increased strength
3) More rapid attachment of barbs 4) Easier installation

64-The knives referred to in paragraph 3 are used to

- 1) separate double-stranded wire 2) prevent the reel from advancing too rapidly
3) twist the wire 4) cut the wire that becomes barbs

65-What is the author’s purpose in the third paragraph?

- 1) To explain the importance of the wire 2) To outline the difficulty of making the wire
3) To describe how the wire is made 4) To suggest several different uses of the wire

PASSAGE 3:

Alaska is disappearing slowly, but surely. How can a whole state be disappearing? The problem is that Alaska’s glaciers are melting. The state has more than 100,000 glaciers which account for about 75,000 square kilometers, or five percent, of the state’s area. That is an area of land larger than Ireland! Scientists believe, according to a recent report by the US Geological Survey, that ninety-nine percent of Alaska’s glaciers will diminish in the future. This seems mainly due to the increase in global temperatures. Since the 1960s, the average year-round temperature has increased by almost 3°C degrees. Additionally, the average winter temperature has increased by over 6°C degrees.

Another problem facing Alaska is its thawing permafrost. Much of the land in Alaska used to be permanently frozen or frozen for most of the year. Now, the thawing permafrost is causing a number of problems for people living in Alaska. Roads and utility poles are collapsing as the ground around and under them warms and softens. Also, the hard permafrost that originally prevented beaches from eroding during violent storms is now melting. For villages on small low islands, one terrible storm could wipe out the entire community.

The melting permafrost and increasing temperatures are both affecting the forests of Alaska. As the permafrost under the forests melts, insects that normally do not turn up until the warmer seasons are appearing sooner. The spruce bark beetle, for example, is increasing in numbers as a result of warmer winter temperatures. It usually takes about two years for these beetles to grow and reproduce in very cold weather. However, due to the increase in temperatures, spruce bark beetles are reproducing faster and damaging as many trees in one year as they previously damaged in two.

Some scientists believe that human activity is linked to a global increase in weather temperature. Whatever the cause of rising temperatures may be, the fact remains that temperatures are warming, affecting Alaska for the worse. Horribly, this could be a preview of what will happen to the rest of the world in the next century.

66-What is the main idea of the passage?

- 1) Alaskan trees are dying.
2) Warmer temperatures are affecting Alaska.
3) Why does Alaska have a lot of glaciers?
4) Alaskan villages must relocate.

67-What do some scientists predict, according to the passage?

- 1) Almost all of Alaska’s glaciers will melt and disappear in the future.
2) Spruce-bark forests will become extinct in Alaska.
3) Global temperatures will start decreasing by the year 2100.
4) Most Alaskan villages on the small islands will be wiped out.

68-The forests in Alaska are being destroyed because

- 1) more insects are attacking them
2) there is not enough land for the trees to live on
3) spruce trees don’t grow well in the warmer weather
4) the water from the melting glaciers is drowning the trees

69-The underlined word “they” in paragraph 3 refers to

- 1) trees 2) beetles
3) temperatures 4) forests

70-The passage would most probably continue with a discussion of

- 1) how rising temperatures can affect the whole world negatively in the future
2) the importance of environment for ecology
3) why ice is necessary to the Earth
4) how human activity can negatively affect Alaska



دفترچه سؤال

آزمون هوش و استعداد
(دوره دوم)
۱۹ مرداد

تعداد کل سؤالات آزمون: ۲۰
زمان پاسخ‌گویی: ۳۰ دقیقه

گروه فنی تولید

حمید لنجان‌زاده اصفهانی	مسئول آزمون
فاطمه راسخ	ویراستار
محیا اصغری	مدیر گروه مستندسازی
علیرضا همایون‌خواه	مسئول درس مستندسازی
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معصومه روحانیان	حروف‌چینی و صفحه‌آرایی
حمید عباسی	ناظر چاپ

رای مشاهده پاسخ‌ها، به صفحه شخصی خود در سایت کانون مراجعه کنید.

استعداد تحلیلی

۳۰ دقیقه

۲۵۱- کدام واژه مشخص شده، ساختمان متفاوتی دارد؟

- (۱) این تیره بخت خسته از ا یام را اینجا رها نکن. تیره بخت
- (۲) از نوکیسه ها طمع بخشش نکن که حماقت است. نوکیسه
- (۳) جانم را نستاند که این، غم خانه ی من بود. غم خانه
- (۴) به بلندقامتان تاریخ، سلام ما را برسان! بلندقامت

۲۵۲- ساختمان کدام واژه به ساختمان واژه های «دوان، گریان، خندان» نزدیکتر است؟

- (۱) پریشان
- (۲) درمان
- (۳) بهتان
- (۴) جانان

* متن های سه پرسش بعدی از کتاب «خشونت» نوشته ی «هانا آرنه» و ترجمه ی «عزت الله فولادوند» از نشر «خوارزمی» انتخاب شده است. در هر سؤال، بهترین گزینه را برای تکمیل متن انتخاب کنید.

۲۵۳- فقدان هیجانان نه سبب عقلانیت می گردد و نه به پیشبرد آن کمک می کند. «بی طرفی و متانت» اگر از خویشتن داری سرچشمه نگیرد و فقط عدم ادراک را بنمایاند، می تواند در برابر «تراژدی های تحمّل ناپذیر» به راستی «دهشت انگیز» باشد. برای این که کسی پاسخی منطقی و عاقلانه از خود ابراز کند، باید اول به هیجان بیاید. پس ...

- (۱) رفتارهای هیجانی گاه به رفتارهای عقلانی منجر نمی شود.
- (۲) «عقلانی» و «هیجانی» دو صفت متضاد نیستند.
- (۳) رفتارهای عاقلانه همواره دوری از هیجانان را طلب می کند.
- (۴) «عقلانی» و «هیجانی» صفاتی جمع ناشدنی هستند.

- قدرت فی الواقع از مقومات ماهیت هر حکومت است، ولی خشونت چنین نیست. خشونت دارای ماهیت ابزاری است و مانند هر وسیله همیشه بدین

نیاز دارد که هدایت شود و از طریق غایتی که تعقیب می کند توجیه گردد، و ... ۲۵۴

- (۱) حکومت ها برای اعمال قدرت خود به مشروعیتی نیاز دارند که از خشونت کم بهتر است.
- (۲) برای آنان که به ماهیت قدرت می اندیشند، توجیه خشونت ورزی پذیرفتنی تر است.
- (۳) ماهیت هر حکومت، صلح طلبی برای همه ی انسان هاست که با ابزارهای آن در تناقض است.
- (۴) آنچه نیازمند توجیه به وسیله ی چیز دیگری باشد، نمی تواند ماهیت هیچ چیز قرار گیرد.

۲۵۵- اگرچه بیشتر کارهای جانورشناسان به نظر من بسیار جاذب است، . . . برای اینکه بدانیم مردم به خاطر وطن خویش می‌جنگند لازم نبود اول

«غرایز یگه‌تازی گروهی» را در مور و ماهی و میمون کشف کنیم. برای این که پی ببریم حساسیت و تحریک‌پذیری و پرخاشگری معلول ازدحام مفرط

است، نیازمند نبودیم با موش‌ها آزمایش کنیم: یک روز صرف وقت در محله‌های پست و کثیف هر شهر برای دیدن این موضوع کافی بود.

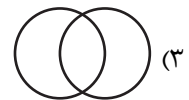
(۱) رفتارهای جانوران در همه‌ی تاریخ به طور عمومی در حال تکامل (فرگشت) بوده است.

(۲) رفتارهای آدمی نمونه‌ی بارزتری از رفتارهای جانوران دیگر است.

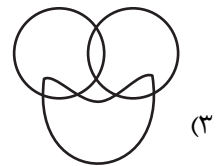
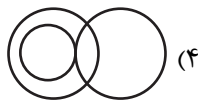
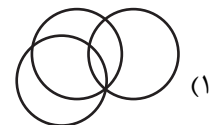
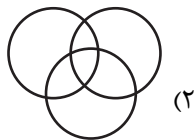
(۳) اما نمی‌فهمم چگونه ممکن است این کارها در مورد مسأله‌ی ما صدق کند.

(۴) نیاز به آزمایش‌های بیشتری برای تصدیق رابطه‌ی آدمیان و دیگر جانوران داریم.

۲۵۶- نسبت بین دسته‌های «یوزپلنگ‌ها» و «غیرکفتارها» در کدام گزینه بهتر رسم شده است؟



۲۵۷- در دسته‌ی اعداد طبیعی، نسبت بین دسته‌های «اعداد دورقمی»، «اعداد مضرب سیزده»، «اعداد اول» در کدام گزینه بهتر بیان شده است؟



۲۵۸- ساعت عقربه‌ای و معمولی را که در هر دوازده ساعت در جریانی ثابت، سی‌وشش دقیقه عقب می‌ماند، روی عدد ۱۲ به‌درستی کوک کردیم. چند

دقیقه بعد، این ساعت دقیقاً ساعت سه و نیم را نشان خواهد داد؟

(۲) ۲۲۰/۵

(۱) ۲۱۹

(۴) ۲۲۳/۵

(۳) ۲۲۲

۲۵۹- در یک ساعت عقربه‌های معمولی، بین ساعت ۶ و ۷ صبح، چند دقیقه پس از ساعت ۶، عقربه‌های ساعت‌شمار و دقیقه‌شمار بر هم منطبق می‌شوند؟

$$(۲) \quad ۳۱\frac{۸}{۱۱}$$

$$(۱) \quad ۳۱\frac{۴}{۵}$$

$$(۴) \quad ۳۲\frac{۸}{۱۱}$$

$$(۳) \quad ۳۲\frac{۴}{۵}$$

۲۶۰- درباره‌ی علی و خانواده‌اش اطلاعات زیر در دست است:

الف) علی متولد سال ۱۳۸۵ و مسعود برادر علی، ۵ سال از او بزرگ‌تر است.

ب) برادر دیگر علی، سعید، زمانی به دنیا آمده است که مادرشان ۲۹ ساله بوده است.

ج) میانگین سن سه برادر در سال ۱۳۹۵، ۱۵ سال بوده است.

د) این خانواده فرزند دیگری ندارد.

در چه سالی سن مادر خانواده دو برابر سن بزرگ‌ترین فرزندش است؟

$$(۲) \quad ۱۴۰۶$$

$$(۱) \quad ۱۴۰۴$$

$$(۴) \quad ۱۴۰۱$$

$$(۳) \quad ۱۴۰۸$$

۲۶۱- در مهرماه سالی خاص، سه روز یکشنبه در تاریخ‌هایی از ماه افتاده است که عددی زوجند. در این ماه به ترتیب چند «دوشنبه، جمعه، شنبه» داریم؟

(۲) چهار، چهار، پنج

(۱) چهار، پنج، پنج

(۴) چهار، پنج، چهار

(۳) پنج، چهار، چهار

۲۶۲- شخصی در هر سالگرد تولدش، به اندازه‌ی عدد سنش، شمع روی کیک تولدش را فوت و خاموش کرده است. اگر امروز ۲۳ مرداد دوشنبه باشد و شخص

منتظر شش روز بعد از هفت تا شنبه قبلی تولد سیزده‌سالگی خود را جشن گرفته باشد، او تا ۱۵ تیر سال آینده، در مجموع چند شمع تولد در زندگی‌اش

فوت و خاموش کرده است؟

$$(۲) \quad ۹۱$$

$$(۱) \quad ۱۰۵$$

(۴) به کیسه بودن یا کیسه نبودن سال‌ها بستگی دارد.

$$(۳) \quad ۷۸$$

۲۶۳- هفت روز پیش از فردای روزی که دو روز قبلش، جمع‌های هفته‌ی بعد است، چند روز پس از فردای روزی است که دیروز سه‌شنبه‌ی هفته‌ی قبل

بود؟

۱۱ (۲)

۱۰ (۱)

۱۳ (۴)

۱۲ (۳)

۲۶۴- مینا، مبینا، نیما و امین چهار فرزند خانواده‌اند، به شکلی که مینا نه بزرگترین فرزند خانواده است و نه کوچکترین، نیما بزرگترین پسر خانواده نیست، امین نیز از مبینا کوچکتر است.

بر اساس این اطلاعات، جایگاه چند تن از این چهار نفر در خانواده در جدول روبه‌رو به طور دقیق مشخص می‌شود؟

(۱) یک نفر

فرزند نخست	فرزند دوم	فرزند سوم	فرزند چهارم

(۲) دو نفر

(۳) سه نفر

(۴) هر چهار نفر

۲۶۵- معلمی وارد کلاس پنج‌نفره شد و از دانش‌آموزان پرسید چند نفر دیروز ورزش کردند. اولی گفت: «چهار نفر از ما»، دومی گفت: «سه نفر از ما»،

سومی گفت: «دو نفر از ما»، چهارمی گفت: «یک نفر از ما» و پنجمی گفت: «هیچ‌کدام از ما». معلم می‌دانست کسانی که ورزش کرده‌اند راست و

کسانی که ورزش نکرده‌اند، دروغ می‌گویند. چند نفر ورزش کرده‌اند؟

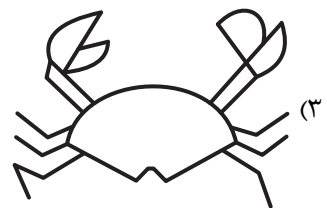
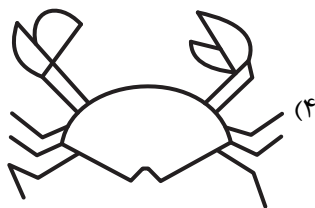
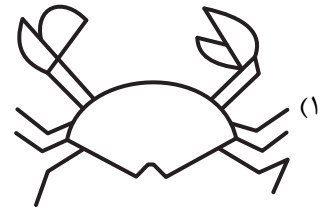
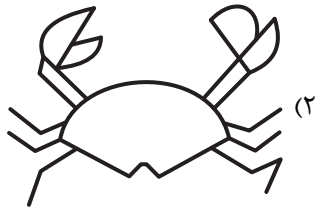
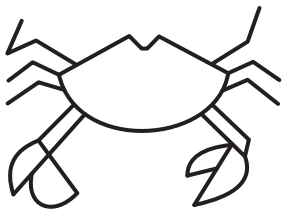
(۲) دو نفر

(۱) یک نفر

(۴) کسی ورزش نکرده است.

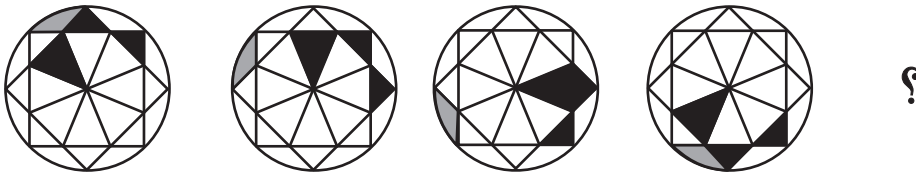
(۳) سه نفر

۲۶۶- تصویر جسمی در آینه، در آب به شکل زیر درآمده است. شکل اصلی کدام بوده است؟

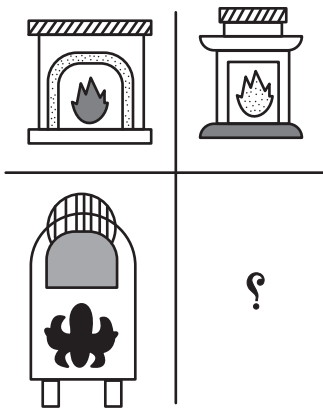


* در چهار پرسش بعدی، شکل جایگزین علامت سؤال را در الگوی صورت سؤال تعیین کنید.

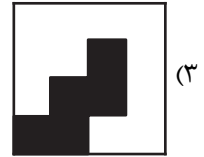
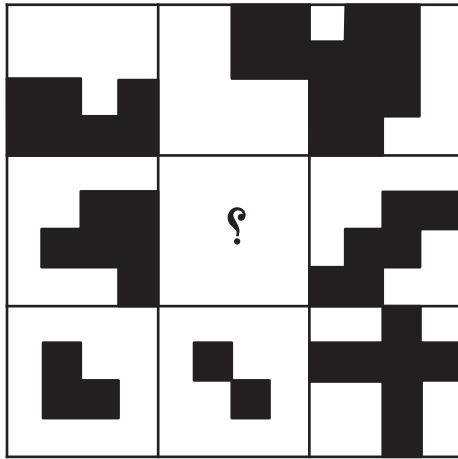
-۲۶۷



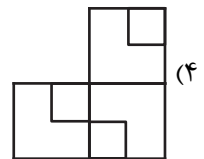
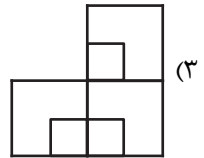
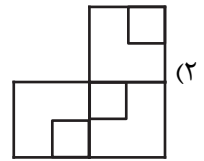
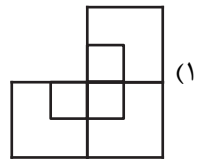
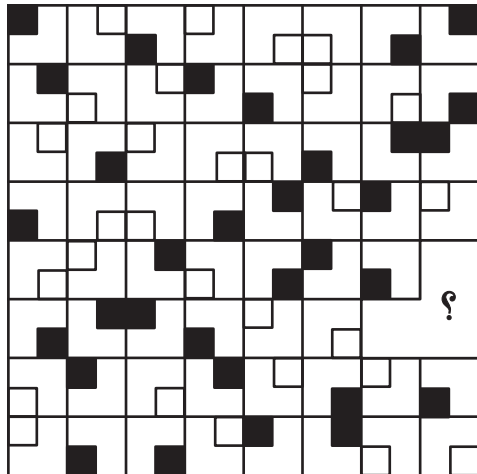
-۲۶۸



-۲۶۹



-۲۷۰



خودارزیابی توجه و تمرکز

بخش سوم: ارزیابی توجه انتخابی Selective attention آزمون ۱۹ مرداد ۱۴۰۳

دانش آموز عزیز!

توجه و تمرکز برای یادگیری، مطالعه و دستیابی به موفقیت تحصیلی بسیار مهم است. این مهارت‌های شناختی دانش‌آموزان را قادر می‌سازد تا اطلاعات را دریافت کنند، روی کارها و تکالیف متمرکز بمانند و به طور موثر زمان و منابع خود را مدیریت کنند. بهبود توجه و تمرکز می‌تواند منجر به درک بهتر مطالب، نمرات بالاتر و به طور کلی تجربه یادگیری موثرتر شود. برای کمک به ارزیابی ظرفیت‌های توجه خود، از شما دعوت می‌کنیم با سوالات زیر خود را ارزیابی کنید. مهم است که به هر سؤال صادقانه پاسخ دهید. با درک نقاط قوت و زمینه‌های پیشرفت، می‌توانید برای ارتقای عملکرد تحصیلی خود قدم بردارید.

سوالات را به دقت بخوانید و نزدیکترین پاسخ مرتبط با خود را انتخاب و در پاسخبرگ علامت بزنید. دقت داشته باشید که سوالات از شماره ۲۷۱ شروع شده است.

۲۷۱. من می‌توانم روی دستورات معلم تمرکز کنم حتی اگر سر و صدایی در کلاس وجود داشته باشد.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۲. هنگام مطالعه یا درس خواندن می‌توانم صدای پس زمینه و محیط را نادیده بگیرم.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۳. من می‌توانم روی گفتگو با دوستانم تمرکز کنم حتی اگر افراد دیگری در اطراف ما صحبت کنند.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۴. هنگام انجام تکالیف می‌توانم به عوامل حواس‌پرتی توجه نکنم.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۵. هنگام کار روی یک تکلیف، صداهای جزئی حواس من را پرت نمی‌کنند.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۶. حتی اگر تلویزیون در محیط روشن باشد، می‌توانم روی تکالیف مدرسه‌ام متمرکز بمانم.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۷. من می‌توانم به معلم توجه کنم حتی اگر دانش‌آموزان دیگر صحبت کنند.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۸. وقتی می‌خواهم به اطلاعات مهمی گوش دهم، می‌توانم مانع از حواس‌پرتی خودم شوم.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۷۹. حتی اگر صداهایی در راهرو وجود داشته باشد، می‌توانم در حین آزمون متمرکز بمانم.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه

۲۸۰. من می‌توانم اطلاعات نامربوط را در نظر نگیرم و روی آنچه مهم است تمرکز کنم.

۱. هرگز ۲. به ندرت ۳. گاهی اوقات ۴. همیشه