



دفترچه سؤال

آزمون هدیه «۱۵ دی ۱۴۰۲»

## دفترچه اختصاصی منحصرأ زبان

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بنیاد علمی آموزشی قلمچی «وقف عام»

دفتر مرکزی: خیابان انقلاب بین صبا و فلسطین - پلاک ۹۲۳ - تلفن: ۰۲۱-۸۴۵۱

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



# پدید آورندگان

## آزمون هدیه منحصرأ زبان

۱۵ دی ماه ۱۴۰۲

طراحان

نام طراحان	نام درسی
رحمت‌اله استیری، عقیل محمدی‌روش، نوید مبلغی، عمران نوری، علیرضا یوسف‌زاده، جواد مؤمنی، بهرام دستگیری، سپیده عرب، مسعود پیردقی، میرحسین زاهدی، ناصر ابوالحسنی، شیوا روحی، بهزاد صادقین‌فرد، آرزو بیات‌بارونی، سحر خسروشاهی، مرجان شیخی، امید یعقوبی‌فرد، مسعود غایبی، علیرضا یوسف‌زاده، فریبا توکلی، حمید مهدیان‌راد، سپهر برومندپور	زبان تخصصی

گزینشگران و ویراستاران

نام درسی	زبان انگلیسی تخصصی
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گروه فنی و تولید

مدیران گروه	محدثه مرآتی
مسئول دفترچه	معصومه شاعری
مستندسازی و مطابقت با مصوبات	مدیر: محیا اصغری مسئول دفترچه: سوگند بیگلری
حروف‌نگاری و صفحه‌آرایی	زهرآ تاجیک
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بنیاد علمی آموزشی قلم‌چی «وقف‌عام»

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

زبان تخصصی

۱۰۵ دقیقه

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؟

هدف‌گذاری چند از ۱۰ برای آزمون امروز

چند از ۱۰ آزمون قبل

**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-Humans have seen remarkable benefits as a huge number of illnesses ... by antibiotics, but we now face an emergency as antibiotic-resistant bacteria are beginning to emerge more.  
1) treating                      2) have been treated                      3) treated                      4) will be treated
- 2-Over the course of a few decades, they transported huge volumes of soil to create 120 huge mounds of earth, the biggest ... rose to 100 feet.  
1) that                      2) which                      3) of which                      4) whose
- 3-The middle-aged couple and the grown-up son ... plant trees and bushes in the large back house garden.  
1) himself                      2) themselves                      3) itself                      4) ourselves
- 4-She ... filling in the detailed questionnaire yet, and you need to wait at least a quarter of an hour.  
1) hasn't finished                      2) won't finish                      3) hadn't finished                      4) didn't finish
- 5- Two disruptive students were made ... the classroom after they had repeatedly violated the class regulations.  
1) leave                      2) leaving                      3) to have left                      4) to leave
- 6-I got Barbara ... her car for my upcoming trip to the countryside.  
1) to let me to borrow                      2) let me borrow                      3) to let me borrow                      4) let me to borrow
- 7-... to the occupational problems of the young in their country shows how dishonest they are.  
1) That pays the African political heads no attention  
2) The African political heads pay no attention  
3) What the African political heads pay attention  
4) That the African political heads pay no attention
- 8-Critics often claim that ... Don Quixote, he would undoubtedly be an obscure writer in world literature today.  
1) if Cervantes didn't write                      2) if Cervantes doesn't write  
3) if Cervantes wouldn't write                      4) if Cervantes hadn't written
- 9-The art of the 1970's was characterized by diversity and by the independence of artists ... main affinities were more often sociopolitical than stylistic.  
1) whose                      2) that                      3) of which                      4) they have
- 10-... more than 40 percent of the diet, fats are used specifically by the body for energy.  
1) Composing                      2) Being composed  
3) Have composed                      4) From composing
- 11-Among all the scientists of the 1930s, ... was so suited to carry out the Manhattan Project as J. Robert Oppenheimer.  
1) no scientists                      2) not who was a scientist  
3) none                      4) a scientist never he
- 12-Although the Pacific Crest Trail (PCT) seems to be very attractive, a new travel guide has advised absolute beginner hikers ... a place to avoid.  
1) of it being                      2) that it is                      3) that what                      4) what it is
- 13-There are conditions ... necessary that you check with your doctor before trying these exercises.  
1) in that it is                      2) in which it is                      3) if it is                      4) that they are
- 14-It was amazing for me to see the principal secretly asking some of the students ... them for failing to do their homework.  
1) if had the teacher reprimanded                      2) why has the teacher reprimanded  
3) when the teacher to reprimand                      4) whether the teacher had reprimanded
- 15-All teachers in our school admire Maria a lot because she is so ... solve the most difficult math problems.  
1) smart a student that she can incredibly quickly  
2) a smart student that she can quickly incredibly  
3) smart a student that she incredibly quickly can  
4) a smart student that she quickly incredibly can

**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-According to the Australian constitution, they have no permission to ... their authority and interfere in government's economic policy.  
1) abandon                      2) exceed                      3) qualify                      4) conceal
- 17-It would be ... to suppose that with the existing ideological attitudes dominant in the region, Africa could experience peace and solve all its problems.  
1) frigid                      2) perilous                      3) solitary                      4) naive
- 18-Humans have come to realize the fact that they have no choice but to find a/an ... between environment and development; otherwise, the destruction of wildlife is equal to the humans' extinction.  
1) reconciliation                      2) investigation                      3) corroboration                      4) recommendation
- 19-The dispute over the new contract allowed her other problems to fade into the ... .  
1) margin                      2) spotlight                      3) background                      4) distance
- 20-It is very creepy for the elders to discover that they have become of no ... to their families, for whom they have once struggled and breathed.  
1) failure                      2) account                      3) impression                      4) issue
- 21-We also identified the best product of the teams as we ... from the micro to the macro level.  
1) attested                      2) reverted                      3) ascended                      4) descended
- 22-Though the coronavirus loomed large over the holiday, the mayor did not make any ... references to the pandemic in his remarks.  
1) overt                      2) edible                      3) abject                      4) alert
- 23-This fundamental difference ... the development of an open dialogue, let alone a creative level of understanding.  
1) certifies                      2) permeates                      3) estimates                      4) impedes
- 24-Some teachers often ... favor certain students that can be followed by families expressing dissatisfaction with the educational system.  
1) adroitly                      2) viciously                      3) inadvertently                      4) abruptly
- 25-She found the nature of that job so ... at the very start that she left it all in fear and trepidation.  
1) prone                      2) demanding                      3) staggering                      4) exceptional
- 26-What he is making an effort to acquire is a vast knowledge, so these books hardly suit his ... tastes.  
1) extravagant                      2) disagreeable                      3) sophisticated                      4) predominant
- 27-The lifeguard was given a medal of courage because of his ... efforts to save the children in the sinking boat.  
1) compliant                      2) composed                      3) valid                      4) tremendous
- 28-Because of the heavy rainfalls, the river is ... and this may soon cause a severe flood.  
1) swollen                      2) evacuated                      3) overturned                      4) interrupted
- 29-Even though she'd read her supervisor's memo four or five times, she still found his message ... .  
1) furious                      2) continuous                      3) generous                      4) ambiguous
- 30-Despite what the witness had told the police, they could not ... the possibility that it could have been an accident.  
1) exaggerate                      2) eliminate                      3) encounter                      4) escape
- 31-After the accident which had caused a grave injury to the old woman, Jack was ... from driving for two years.  
1) banned                      2) benefited                      3) shaken                      4) trapped
- 32-Recent research ... that children in the developed countries are getting too little exercise because of computer games.  
1) invades                      2) expects                      3) exports                      4) indicates
- 33-The Italian politician's speech was intentionally ... in order that later he would not be held accountable for specific promises.  
1) devious                      2) equivocal                      3) transparent                      4) promising
- 34-There's another kind of stress known as eustress, which is actually a healthy kind of stress that gives you a feeling of ... when you are out of the stressful situation.  
1) departure                      2) impossibility                      3) intimacy                      4) fulfillment
- 35-During the Paleogene, the continents continued to ... closer to their current positions. India was in the process of colliding with Asia, forming the Himalayas.  
1) prove                      2) drift                      3) extract                      4) display

**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) Had the financial documents been delivered to the court on time, my lawyer would have settled the case.
- 2) The financial documents had been delivered to the court on time, my lawyer would have settled the case.
- 3) Had the documents financial been delivered to the court on time, my lawyer would have settled the case.
- 4) Had been the financial documents delivered to the court on time, my lawyer would have settled the case.

37-

- 1) The question of the best route for the overland mail to California was interest of a serious topic in the West.
- 2) The question of the best route for the overland mail to California was a serious interest of topic in the West.
- 3) The question of the best route for the overland mail to California was serious interest of a topic in the West.
- 4) The question of the best route for the overland mail to California was a topic of serious interest in the West.

38-

- 1) No matter of how many different precautions you take, you cannot avoid biting by mosquitoes at this time of year.
- 2) No matter of how many different precautions you take, you cannot avoid being bitten by mosquitoes at this time of year.
- 3) Regardless of how many different precautions you take, you cannot avoid biting by mosquitoes at this time of year.
- 4) Regardless of how many different precautions you take, you cannot avoid being bitten by mosquitoes at this time of year.

39-

- 1) The beauty and the history to find it in a country is in such perfect possible harmony where combined.
- 2) Is it possible to find a country where the beauty and the history are combined in such perfect harmony?
- 3) To find a country where the beauty and the history is combining in such a perfect harmony it possible.
- 4) Where is the possible beauty and the history to combine in such perfect harmony find it in a country?

40-

- 1) Exercise, relaxing lifestyle, and balancing diet make life longer, therefore smoking, drinking, and mental stress shorten the life span.
- 2) Exercise, relaxing lifestyle, and balancing diet make life longer, whereas smoking, drinking, and mental stress shorten the life span.
- 3) Exercise, relaxed lifestyle, and balanced diet make life longer, whereas smoking, drinking, and mental stress shorten the life span.
- 4) Exercise, relaxed lifestyle, and balanced diet make life longer, therefore smoking, drinking, and mental stress shorten the life span.

**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:** Hi, you ...**(41)**...; is something wrong?

**B:** I hate math. I don't want to ...**(42)**..., but my grade dropped from 19 to 12 last semester.

- |                                |                           |
|--------------------------------|---------------------------|
| 41-1) feel on top of the world | 2) are second to none     |
| 3) look out of sorts           | 4) are a pain in the neck |
| 42-1) give you a hand          | 2) cry over spilt milk    |
| 3) rock the boat               | 4) break the ice          |

**A:** The economic situation is terrible in Nigeria. Many people have ...**(43)**..., most of the residents ...**(44)**... and rarely can one find any people ...**(45)**... . The officials need to take immediate action to improve life standards in the area.

**B:** You can say that again!

- |                           |                            |
|---------------------------|----------------------------|
| 43-1) buckled down        | 2) saved the day           |
| 3) got canned             | 4) made a bundle           |
| 44-1) are in good spirits | 2) live from hand to mouth |
| 3) go nuts                | 4) sweeten the deal        |
| 45-1) rolling in dough    | 2) green with envy         |
| 3) screwing up            | 4) pulling an all-nighter  |

**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.

Chewing gum, until now considered the ultimate junk food, turns out to have a positive effect on cognitive performance. In the first intellectual ...(46)... for supporters of progressive education in many years, it seems that the teacher ...(47)... the child at the back of the class to ...(48)... has got it all wrong. The Human Cognitive Neuro-Science Unit at the University of North Umbria has tested the thinking and memory of those who chew gum. The results show that gum-chewers perform far better in cognitive tests ...(49)... those who did not partake.

This new information makes many things clear that were previously ...(50)... in mystery. It ...(51)... Gerald Ford that he could not walk and chew gum at the same time. ...(52)... at walking and was constantly falling over was seen as a sign that he was not up to the job. Now it is apparent that faced with the choice between walking and ...(53)..., he picked wisely. ...(54)... he fell down the steps of many aircraft, his performance when he reached the ground was greatly ...(55)... .

- |                       |                            |                          |                |
|-----------------------|----------------------------|--------------------------|----------------|
| 46-1) morgue          | 2) victory                 | 3) detection             | 4) rage        |
| 47-1) telling         | 2) has told                | 3) tells                 | 4) told        |
| 48-1) figure it out   | 2) cut it down             | 3) burn it down          | 4) spit it out |
| 49-1) from            | 2) than                    | 3) in                    | 4) of          |
| 50-1) penalized       | 2) refrained               | 3) shrouded              | 4) whirled     |
| 51-1) was said of     | 2) has said                | 3) said of               | 4) is said     |
| 52-1) Proved so badly |                            | 2) That he proved so bad |                |
|                       | 3) That he proved so badly | 4) Proving so bad        |                |
| 53-1) masticate       | 2) masticates              | 3) masticated            | 4) masticating |
| 54-1) As              | 2) Since                   | 3) Even though           | 4) Whereas     |
| 55-1) resumed         | 2) enhanced                | 3) absorbed              | 4) collapsed   |

**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:**

For 150 years, scientists have tried to determine the solar constant, the amount of solar energy that reaches the Earth. Yet, even in the most cloud-free regions of the planet, the solar constant cannot be measured precisely. Gas molecules and dust particles in the atmosphere absorb and scatter sunlight and prevent some wavelengths of the light from ever reaching the ground.

With the advent of satellites, however, scientists have finally been able to measure the Sun's output without being impeded by the Earth's atmosphere. Solar Max, a satellite from the National Aeronautics and Space Administration (NASA), has been measuring the Sun's output since February 1980. Although a malfunction in the satellite's control system limited its observation for a few years, the satellite was repaired in orbit by astronauts from the space shuttle in 1984. Max's observations indicate that the solar constant is not really constant after all.

The satellite's instruments have detected frequent, small variations in the Sun's energy output, generally amounting to no more than 0.05 percent of the Sun's average energy output and lasting from a few days to a few weeks. Scientists believe these variations coincide with the appearance and disappearance of large groups of sunspots on the Sun's disk. Sunspots are relatively dark regions on the Sun's surface that have strong magnetic fields and a temperature about 2,000 degrees Fahrenheit cooler than the rest of the Sun's surface. Particularly large variations in the solar constant have coincided with sightings of large sunspot groups. In 1980, for example, Solar Max's instruments recorded a 0.3 percent drop in the solar energy reaching the Earth. At that time a sunspot group covered about 0.6 percent of the solar disk, an area 20 times larger than the Earth's surface.

Long-term variations in the solar constant are more difficult to determine. Although Solar Max's data have indicated a slow and steady decline in the Sun's output, some scientists have thought that the satellite's aging detectors might have become less sensitive over the years, thus falsely indicating a drop in the solar constant. This possibility was dismissed, however, by comparing Solar Max's observations with data from a similar instrument operating on NASA's Nimbus 7 weather satellite since 1978.

56-What does this passage mainly discuss?

- 1) The launching of a weather satellite
- 2) The components of the Earth's atmosphere
- 3) The measurement of variations in the solar constant
- 4) The interaction of sunlight and air pollution

57-Why does the author mention “gas” and “dust” in line 3?

- 1) They magnify the solar constant.
- 2) They are found in varying concentrations.
- 3) Scientific equipment is ruined by gas and dust.
- 4) They interfere with accurate measurement of the solar constant.

58-Why is it not possible to measure the solar constant accurately without a satellite?

- 1) The Earth is too far from the Sun.
- 2) Some areas on Earth receive more solar energy than others.
- 3) There is not enough sunlight during the day.
- 4) The Earth’s atmosphere interferes with the sunlight.

59-The underlined pronoun “its” in paragraph 2 refers to the... .

- 1) orbit
- 2) atmosphere
- 3) satellite
- 4) malfunction

60-According to the passage, scientists believe variations in the solar constant are related to ... .

- 1) sunspot activity
- 2) unusual weather patterns
- 3) increased levels of dust
- 4) variations in the Earth’s temperature

**PASSAGE 2:**

One of the most common injuries teenagers and adults experience is a sprained ankle. A sprain occurs when the ligaments of a joint are twisted and possibly torn. Ligaments are bands of stringy fibers that hold the bones of a joint in position. A sprain can occur from a sudden wrenching at the joint, or a stretching or tearing of the fibers of the ligaments. The injured area usually swells and becomes black and blue. Stepping off the sidewalk at the wrong angle or having one foot land in a hole while jogging can leave you rolling on the ground in agony with an ankle on fire! If you cannot walk without experiencing intense pain, you must seek medical help. If the pain is manageable, and you can walk, here are three words to help you remember how to treat yourself: 1- Elevate 2- Cool 3- Bandage.

As soon as there is injury to that ligament, there will be a certain amount of bleeding under the skin. Once the blood pools round the damaged blood vessels, inflammation and swelling occur. The pressure from the swelling results in additional stress and tenderness to the region. In order to minimize the degree of swelling, lie down as soon as possible and keep the ankle elevated so that it is actually higher than your heart. Next, to shrink the blood vessels and keep bleeding (hence bruising) to a minimum, apply a cold pack. After 20 minutes, take the pack off, wait half an hour, and then reapply. This can be done several times a day for a total of three days.

Never leave a cold pack on for more than 20 minutes at a time. Reducing the temperature in that area for an extended period of time signals the body to increase the blood flow to raise the body temperature. Therefore, one inadvertently triggers more blood distribution to the affected area by leaving a cold pack on for too long. Finally, bandage the ankle. Be careful not to wind it too tightly; doing so can restrict the blood flow and cause harm to the entire foot.

61-According to the passage, a sprain is caused by ... .

- 1) enlarged blood vessels in the foot
- 2) fluctuating temperature signaling the elevation of body temperature
- 3) torn tissue in the ball of the foot
- 4) torn or twisted ligament fibers that hold the joint in position

62-The underlined pronoun “it” in paragraph 2 refers to ... .

- 1) your heart
- 2) the ankle
- 3) the pressure from the swelling
- 4) the degree of swelling

63-According to the directions, once the initial cold pack is removed, what is to be done?

- 1) Begin wrapping the bandage.
- 2) Begin wrapping by encircling the ball of the foot twice.
- 3) Wait 20 minutes and then reapply the ice pack for 30 minutes.
- 4) Wait 30 minutes and then reapply the ice pack for 20 minutes.

64-The underlined word “inadvertently” in paragraph 3 is closest in meaning to ... .

- 1) accidentally
- 2) fortunately
- 3) interchangeably
- 4) basically

65-Which of the following is NOT mentioned as a warning?

- 1) If there is intense pain, seek medical attention.
- 2) Do not wind the bandage too tightly.
- 3) Do not put your ankle near the fire.
- 4) Do not keep the cold pack on for more than 20 minutes at a time.

**PASSAGE 3:**

The water requirement for life automatically eliminates many worlds in our solar system. The moon is airless, and although some data suggest ice frozen in the soil at its poles, it has never had liquid water on its surface. In the vacuum of the lunar surface, liquid water would boil away rapidly. Venus has some traces of water vapor in its atmosphere, but it is much too hot for liquid water to survive. If there were any lakes or oceans of water on its surface when it was young, they must have evaporated quickly.

The inner solar system seems too hot, and the outer solar system seems too cold. The Jovian planets have deep atmospheres and no surfaces where oceans could nurture the beginning of life. However, a few of their satellites might have suitable conditions for life. Jupiter's moon, Europa, seems to have a liquid-water ocean below its icy crust, and minerals dissolved in that water would provide a rich broth of possibilities for chemical evolution. Nevertheless, Europa is not a promising site to search for life because if Jupiter's moons interact gravitationally and modify their orbits, Europa may have been frozen solid at some points in history. Such periods of freezing would probably prevent life from developing.

Saturn's moon, Titan, has an atmosphere of nitrogen, argon, and methane and may have oceans of liquid methane and ethane on its surface. The chemistry of life that might crawl or swim on such a world is obscure, but life there may be unlikely because of the temperature. The surface of Titan is a deadly -179° C. Chemical reactions occur slowly or not at all at such low temperatures so the chemical evolution needed to begin life may never have occurred on Titan.

Mars is the most likely place for life in our solar system. The evidence, however, is not encouraging. Meteorite ALH84001 was found on the Antarctic ice in 1984. It was probably part of debris ejected into space by a large impact on Mars. ALH84001 is important because a team of scientists studied it and announced in 1996 that it contained chemical and physical traces of ancient life on Mars.

66- What is the best title for this passage?

- |                             |                             |
|-----------------------------|-----------------------------|
| 1) Elimination of Worlds    | 2) Search for Water in Moon |
| 3) Traces of Vapor in Venus | 4) Life in Our Solar System |

67- Which of the following statements about the water on Venus is TRUE?

- 1) The water evaporated because of the high temperatures.
- 2) The water became frozen in the polar regions.
- 3) Only a little water is left in small lakes on the surface.
- 4) Rain does not fall because there is no atmosphere.

68- What can be inferred from the passage about the Jovian planets?

- 1) Some of the Jovian planets may have conditions that could support life.
- 2) Jupiter is classified as one of the Jovian planets.
- 3) Europa is the largest of the moons that revolve around Jupiter.
- 4) The orbits of the Jovian planets have changed over time.

69- The word "obscure" in paragraph 3 is closest in meaning to ... .

- |            |          |            |              |
|------------|----------|------------|--------------|
| 1) strange | 2) novel | 3) unknown | 4) different |
|------------|----------|------------|--------------|

70- Why does the author mention the meteorite "ALH84001" in paragraph 4?

- 1) Because scientists thought that it contained evidence of life on Mars.
- 2) Because it was evidence of a recent impact on Mars.
- 3) Because it was found in Antarctica about fifty years ago.
- 4) Because the meteorite probably came from Mars a long time ago.