



## 🔀 🎖 آزمون سراسری ورودی دانشگاههای کشور 🕏 🕏 🖔 🖔

«اگر دانشگاه اصلاح شود مملکت اصلاح می شود.» امام خمینی (ره)

دفترچة شمارة 2 عصر جمعه ۱۳۹۷/۴/۸



جمهوری اسلامی ایران وزارت علوم، تحقیقات و فنّاوری سازمان سنجش آموزش کشور

آزمسون اختصاصسی گسروه آزمسایشسی زبیسان

مدت پاسخگویی: ۱۰۵ دقیقه

تعداد سؤال: ٧٠

### عنوان مواد امتحانی آزمون اختصاصی گروه آزمایشی زبان، تعداد، شمارهٔ سؤالات و مدت پاسخ گویی

مدت پاسخگویی	تا شماره	از شماره	تعداد سؤال	مواد امتحاني	رديف
۱۰۵ دقیقه	14+	1-1	٧٠	زبان انگلیسی (اختصاصی)	1

حق چاپ، تکثیر و انتشار سؤالات یه هر روش ( الکترونیکی و ...) پس از برگزاری آزمون، برای تمامی اشخاص حقیقی و حقوقی نتها با مجوز این سازمان مجاز میباشد و با متخلقین برابر مقروات رفتار میشود.



« داوطلب گرامی، عدم درج مشخصات و امضاء در مندرجات جدول ذیل، به منزله عدم حضور شما در جلسه آزمون است.

اينجانب......با شماره داوطلبي.....در جلسه اين آزمون شركت مينمايم.

امضاء:

#### Part A: Grammar

Directions: Questions 101-110 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.

10	mpietes the sentence.	Then mark the correc	ci choice on your uns	ver sneen.			
101-	Finding a solution to	o the long-lasting pro	oblems of unemploym	ent an easy task			
	to do.	13.55					
	1) seem not to be		2) does not seem	to be			
	3) not seeming to be	ė	4) that is not seen				
102-	[1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15] [1. 15]			he could make			
	people laugh.	2					
	1) except	2) so that	3) although	4) in order to			
103-	Looking at the mag	mificent crystal blue	water of the sea, Ei	ileen thought she had never			
	seen			AND THE RESIDENCE OF THE PROPERTY OF THE PROPE			
	1) anything so beau	tiful	<ol><li>so beautiful an</li></ol>	ything			
	3) so beautiful anyth		<ol><li>anything was s</li></ol>				
104-	After her sister's de	ath, we blamed him	because we thought	he something to			
		oly didn't do a thing	and just waited until	her sister was swallowed by			
	the pool water.						
	1) must have done		<ol><li>should be doin</li></ol>				
	3) might be doing	3.40	4) could have dor				
105-		to save the woma	n. She died as a resul	t of the injuries she received			
	in the crash.	2000000	120 12 12 12	2222 523			
	1) little the doctors		<ol><li>few doctors w</li></ol>				
scano	3) as far as the doct		4) too much done				
106-	Some religious leaders have declared inaction on environmental issues to be wrong,						
	because it may now be						
		a sin considered to pollute the earth					
	2) considered a sin						
		h a sin to be conside					
200		ollute to be considered		no la mante data de			
107-				nterested in neurology and			
	nervous diseases for	a long time before	he created the metho	d of research and treatment			
	13.1.1		AV 11 1 1 1 1				
	1) is known to him		2) that he is know				
100	3) as what he know:		4) for which he is				
108-			v room 1	thought his application had			
	certainly been refus	The state of the s	2) (1	1) :6			
100	1) as	2) that	3) then	4) as if			
109-	Not even a decade ago, physicians treated heart disease by focusing on the organ of the heart, rather than focusing on the person the disease.						
	100						
110	1) experiencing		3) experiences	4) to experience			
110-				nes work, we're serving up			
	1) and	ning science and tech 2) to	3) to how	4) or why do			
	i j and	2) 10	3) to now	4) of why do			

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Part B: Vocabulary

Directions: Questions 111-125 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.

111-	If you want to feel he	ealthy and fresh, you	need to make sure the	at your body receives the	
	1) nutrients	2) features	3) organs	4) processes he surface of	
112-	The North Pole rests	in the middle of the	Arctic Ocean, where t	he surface of	
	tee ridge that a toot of	en above the curroun	ding coo		
	1) floating	2) bending	3) releasing	4) contrasting t pain and discomfort.	
113-	Within a few days she	had become	ill. suffering great	nain and discomfort.	
	1) anxiously	2) seriously	3) immediately	4) primarily  It depends on how fast a	
114-	Stars' lifetimes vary	from a few million ver	ars to billions of years.	It depends on how fast a	
	star uses up its nuclea	ır			
	1) plate	2) fuel	3) weight	4) involvement	
115-	Charlie preferred to	remain unnoticed in	the crowd, for his na	4) involvement atural shyness led him to	
	avoid		17	(V)	
	1) comparison	2) confidence	3) expression	4) attention	
116-	The poverty figures	were undoubtedly	the pres	ident; he was, however,	
	determined to solve the	his problem as quickly	v as possible.		
	1) a reference to		2) a forecast for		
	3) an exploration for	100	4) an embarrassmen	t to	
117-	Not wanting to	the driver, the	passengers did not ta	t to llk to him throughout the	
	long trip.				
	1) remove	2) prevent	3) distract	4) instruct	
118-	As I notice that those	in the conference w	ere getting tired, I dee	4) instruct cided to omit some of the	
	topics I planned to ta	lk about and deal with	h those left as	as possible.	
	1) briefly	2) nearly	3) basically	as possible. 4) necessarily t have dangerous mental	
119-	According to a new	report, some people	who live on the stree	t have dangerous mental	
	health	sverw no: inava nivera		450	
	1) issues	2) events	3) amounts	4) functions	
120-	Many people may hav	ve that th	e more difficult an art	4) functions icle is, the more work has	
	gone into writing it: b	out this is not always t	he case.		
	1) a result	2) an emotion	3) a possibility	4) an impression	
121-	To be more at peace,	one should	- oneself from the ext	4) an impression ernal influence as though	
	1) detach	2) derive	3) identify	4) overcome	
122-	Creation of the mode	rn oceans required to	wo obvious	4) overcome: water and a container	
	in which to hold it.				
	1) aspects	2) impacts	3) ingredients	4) consequences	
123-	1) aspects 2) impacts 3) ingredients 4) consequences The scientific case for life elsewhere has grown stronger during the past decade and there				
	is now a	that we are verging or	the discovery of life of	on other planets.	
	1) sense	2) matter	3) manner	4) mystery because of a lack	
124-	Details of what happe	ened to the missing sh	ip are difficult to	because of a lack	
	of first-hand evidence	N/			
-0102004	1) confuse	2) establish	3) restrict	4) forget r to lift a heavy box over	
125-	Having so many mus	cles, it was	for the bodybuilde	r to lift a heavy box over	
				4) impractical	
	1) doubtful	2) efficient	3) effortless	4) impractical	

#### 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.

#### 126-

- 1) To create a future bigger than your past is essentially acting when imagined.
- 2) Creating a future that is bigger than your past is essentially an act of imagination.
- 3) A future is greater than your past is created when your imagination is essentially active.
- 4) By creating a future when it is greater than your past as essentially an act of imagination.

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127-					
	<ol> <li>Repetition, but a</li> <li>Although annoy</li> </ol>	epetition is annoying, thus serving adroitly used, can be annoying, an ing, repetition is adroitly used and	d serve to strengthen an idea. I served to strengthen an idea.		
128-	4) Repetition can t	e annoying, but adroitly used, it c	an serve to strengthen an idea.		
	repeatedly made	by scientific geniuses.	revolutionized by the discoveries are		
	revolutionized b	y scientific geniuses.	it the discoveries have repeatedly		
	world and the w	ay we see it.	e repeatedly revolutionized both our		
	world and the w	av we see it.	e repeatedly revolutionized both our		
129-			. 1		
	that was rotten.		ed egg was served to by the waitress		
	was rotten.	urant I won t patronize because ur	e waitress served me a fried egg that		
		itress served me by a fried egg w	as rotten, I won't patronize this one		
		egg served to me by the waitre	ss of one restaurant where I won't		
130-	patronize.				
	1) Negotiators, ho	ping to end the dispute, propos	ed a compromise that they felt be		
	2) That they felt is	th labor and management.  t would be acceptable both labor	and management were proposed a		
	compromise for	the dispute by negotiators.	in the Charlet		
	acceptable to bo	th labor and management.	compromise that they felt would be		
	4) Both labor and r	nanagement hoping to end the disp	oute were proposed a compromise by		
	negotiators that	they felt acceptable.			
		ollowing conversations between two at best completes the blank in the	people and choose the answer choice conversations. Then mark the correct		
	A: Good morning. B: Good morning. A: What are you (1	Um I'm looking for a place to re 31)? A house, an apar	nt near the university. tment a room?		
131-	1) in	2) for 3) up to	4) after		
	A: Did you know Angela had finished all her required courses? She'll be graduating in May.				
	B: Oh, so she doesn	't have to repeat that chemistry co	ourse (132)		
132-	1) as yet A: Hey John Boy, o B: (133) ——— D before then!	2) after all 3) in no to come over and help me paint the ho avey! I've got plans tonight and have	time 4) by the way buse this afternoon. we no intention of getting dirtied up		
133-	1) Is it ever 3) No on your life		an count on it ybody's guess		
		e a movie tonight. n feeling a bit (134)	—I think I'm getting a cold.		
	approximation to be a second to the second	185 18 19	(175) (175)		
134-	red-handed     black-and-blue		the weather ny own heart		

صفحه			520-C	کلیسی(احتصاصی)
	You seem nervo			
в:	anything My mi	ind (136)	acner gave us a pop qui	iz and I couldn't remember
A:	Because you did	n't get any sleep.	totally blank.	
B:	That's right. An over, he asked to	d he read my repor	t while I was taking the	e quiz. When the quiz was
A:	What did he say	?		
В:	He told me to ty hand it in tomor	pe my report over a row.	again because it's (137)	He wants me to
35- 1) i	in hot water			
	as pale as death			
	the root of the p			
45	looking for some	ething to get my te	eth into	
36- 1)		2) turned	3) changed	4) went
	a screw loose	2) turned	2) such a mess	i) iiciii
the contract of the contract o	my cup of tea		4) few and far be	etween
B: A: B:	Relax Don't ti You know what athletic. I'm just Just keep your s take my hand. G	I must admit that gonna throw in the hirt on! You haven ood. Now First t	nt I can't ski! I've never e (138) now	be (139)! Here,
	(140)			
B:	Yeah Now lea	n back All right,	good Doing great.	
38- 1)1	hamlet	2) gloves	3) medal	4) towel
	a fat cat	-) B.O. C.	2) all brawn and	
	down at heel		4) such a stick in	
	So what	2) Like this	3) What next	4) Are you joking
1			3	
				-
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.

Environmental noise is defined as the noise (141) ----- from sources such as road, rail and air traffic, industries, construction and public works, and (142) ------Noise has been (143) ----- high among forms of pollutions, (144) ----- air pollution, radioactive waste pollution, water pollutions, etc. In recent years, noise has received considerable worldwide attention as a result of the many studies (145) -----noise pollution to various health effects that include auditory (146) -----non-auditory health effects. It should be noted here that the effect of noise is seldom catastrophic, and is often only transitory. (147) -----, its adverse effects can be cumulative with prolonged or repeated (148) -----. Excessive noise causes sleep disruption, reduction in performance and the inability to enjoy one's property or (149) ----- time. It impairs the quality of life. In addition, several studies have linked extended exposure to high noise levels (150) ----- cardiovascular diseases, including high blood pressure and irregular heart (151) -----. It has also been reported that high noise levels have an economic effect, especially on tourism and real estate sectors, (152) ----- that the prices of houses tend to be higher in (153) ----- areas. There is also some evidence that noise can adversely affect general health and well-being in (154) ----- chronic stress. Because of these factors, and the recent public awareness of the adverse effects of noise in (155) -----, many studies and noise monitoring programs have been established in various parts in the world.

141- 1) situated	2) emitted	<ol><li>occurred</li></ol>	4) converted
142- 1) the neighbor	hood	<ol><li>is the neighbo</li></ol>	rhood
<ol><li>the neighbor</li></ol>		4) that from the	neighborhood
143- 1) ranked	<ol><li>adjusted</li></ol>	<ol><li>preserved</li></ol>	<ol> <li>d) distributed</li> </ol>

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	) and includes ) that includes		<ol> <li>which include</li> <li>in which is inc</li> </ol>	
145- 1	) they link	2) link with	3) linking	4) linked
	) beside	2) in spite of	3) regardless	4) as well as
	) Since	2) Likewise	3) However	4) Although
120020 Brown 2	) exposure	2) prevention	3) scenery	4) emphasis
	) tension	2) proper	3) leisure	4) anxious
	due to	2) of	3) in	4) to
151- 1	[48] 122-000 Feb. 9-001	2) beating	3) to beat	4) that beats
152- 1	reported they reported		<ol> <li>which is report</li> <li>where it has be</li> </ol>	ted
	) shopping	2) traffic	3) quiet	4) downtown
	) a manner as		<ol><li>the same man</li></ol>	
3	3) a similar manner that		4) the same manner is	
	55- 1) a few of last decades 3) the few last decades		<ul><li>2) few of the last decades</li><li>4) last of the few decades</li></ul>	

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 by choosing the best choice (1), (2), (3), or (4). Then mark the correct choice on your answer sheet.

#### PASSAGE 1:

A robot suit has been developed that could help older people or those with disabilities to walk or lift heavy objects. Dubbed HAL, or hybrid assistive limb, the latest versions of the suit were shown at the World Expo in Aichi, Japan. HAL is the result of 10 years' work by Yoshiyuki Sankai of the University of Tsukuba in Japan, and integrates mechanics, electronics, bionics and robotics in a new field known as cybernics. The most fully developed prototype, HAL 3, is a motor-driven metal 'exoskeleton' that you strap onto your legs to power-assist leg movements. A backpack holds a computer with a wireless network connection, and the batteries are on a belt.

Two control systems interact to help the wearer stand, walk and climb stairs. A 'bio-cybernic' system uses bioelectric sensors attached to the skin on the legs to monitor signals transmitted from the brain to the muscles. It can do this because when someone intends to stand or walk, the nerve signal to the muscles generates a detectable electric current on the skin's surface. These currents are picked up by the sensors and sent to the computer, which translates the nerve signals into signals of its own for controlling electric motors at the hips and knees of the exoskeleton. It takes a fraction of a second for the motors to respond accordingly, and in fact they respond fractionally faster to the original signal from the brain than the wearer's muscles do.

### 156- What is the primary purpose of the passage?

1) To introduce a novelty

2) To trace the origin of a new development

To critically assess the efficiency of a device

4) To find a new function for a newly developed robot

157- Which of the following is stated in the passage about HAL 3?

- 1) It took over a decade to develop.
- 2) It is to be tied to the leg of the user.
- 3) It has an electrically powered motor.
- 4) It was initially designed to help old people.
- 158- Paragraph 2 is mainly intended to -----
  - 1) compare and contrast 2)
  - 3) describe the steps in a process
- 2) list causes of a phenomenon4) explain a number of technical terms
- 159- The word "this" in paragraph 2 refers to ------
  - 1) attaching to the skin on the legs
  - 2) helping the wearer stand, walk and climb stairs
  - 3) using bioelectric sensors attached to the skin on the legs
  - 4) monitoring signals transmitted from the brain to the muscles

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### 160- According to paragraph 2, the electric currents on the skin's surface are ------

1) hardly ever detected

2) sent back to the brain

carried over to a computer via some sensors

4) used as they are to control electric motors at the hips and knees of the exoskeleton

#### PASSAGE 2:

The Peter Principle is a special case of a ubiquitous observation: Anything that works will be used in progressively more challenging applications until it fails. This is the "generalized Peter Principle". Peter noted that there is a strong temptation for people to use what has worked before, even when this might not be appropriate for the current situation.

In an organizational structure, assessing an employee's potential for a promotion is often based on their performance in the current job. This eventually results in their being promoted to their highest level of competence and potentially then to a role in which they are not competent, referred to as their "level of incompetence". The employee has no chance of further promotion, thus reaching their career's ceiling in an organization.

Peter suggests that in time, every post tends to be occupied by an employee who is incompetent to carry out assigned duties and that work is accomplished and companies are helped forward by those employees who have not yet reached their level of incompetence. He coined the term *hierarchiology* as the social science concerned with the basic principles of hierarchically organized systems in human society.

He noted that their incompetence may be because the required skills are different, but not more difficult. For example, an excellent engineer may be a poor manager if he or

she lacks the interpersonal skills necessary to lead a team.

Rather than seeking to promote a talented "super-competent" junior employee, Peter suggested that an incompetent manager may set them up to fail or dismiss them because they are likely to "violate the first commandment of hierarchical life with incompetent leadership: the hierarchy must be preserved". Of course there are some people who raise an eyebrow with respect to the whole proposition.

#### 161- What does the passage mainly discuss?

1) How to prevent incompetent management

2) The limitations of employees' professional development

3) How the Peter Principle affects progress in organizations

4) The historical background to the advent of the term hierarchiology

162- According to the passage, the headway that companies make is due to ------

1) the work done by those who are not yet in their level of incompetence

employees who do their routine tasks based on the tenets of the Peter Principle
 the effect of managers that are super-competent and know how to control their employees

 employers and employees who have already reached their career's ceiling in an organization

#### 163- Which of the following is defined in the passage?

- 1) Challenging applications (paragraph 1)
- 2) Level of incompetence (paragraph 2)
- Interpersonal skills (paragraph 4)
- 4) Super-competent (paragraph 5)

# 164- Which of the following best describes the purpose of the example mentioned in paragraph 4?

1) To set a condition

- 2) To modify the Peter Principle
- 3) To introduce an exception
- 4) To support an earlier statement

#### 165- What is the paragraph immediately following this passage likely to discuss?

- 1) More advantages of the Peter Principle
- 2) Some weaknesses in the Peter Principle
- 3) Some proposals to improve the Peter Principle
- 4) Reports by employees affected by the Peter Principle

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#### PASSAGE 3:

Bamboo is a type of grass. It comes in a wide variety of forms, ranging in height from 30 centimeters to more than 40 meters. It is also the world's fastest-growing woody plant; some species can grow more than a meter in a day. Bamboo's ecological root extends beyond providing food and habitat for animals. Bamboo tends to grow in stands made up of groups of individual plants that grow from root systems known as rhizomes. Its extensive rhizome systems, which lie in the top layers of the soil, are crucial in preventing soil erosion. And there is growing evidence that bamboo plays an important part in determining forest structure and dynamics. "Bamboo's pattern of mass flowering and mass death leaves behind large areas of dry biomass that attract wildfire," says Kapos. "When these burn, they create patches of open ground within the forest far bigger than would be left by a fallen tree". Patchiness helps to preserve diversity because certain plant species do better during the early stages of regeneration when there are gaps in the canopy.

However, bamboo's most immediate significance lies in its economic value. Modern processing techniques mean that it can be used in a variety of ways, for example, as flooring and laminates. One of the fastest growing bamboo products is paper. Twenty-five percent of paper produced in India is made from bamboo fiber, and in Brazil, 100,000 hectares of bamboo are grown for its production. Of course, bamboo's main function has always been in domestic applications, and as a locally traded commodity it's worth about \$4.5 billion annually. Because of its versatility, flexibility and strength (its tensile strength compares to that of some steel), it has traditionally been used in construction. Today, more than one billion people worldwide live in bamboo houses. Bamboo is often the only readily available raw material for people in many developing countries, says Chris Stapleton, a research associate at the Royal Botanic Gardens. "Bamboo can be harvested from forest areas or grown quickly elsewhere, and then converted simply without expensive machinery or facilities," he says. "In this way, it contributes substantially to poverty alleviation and wealth creation."

### 166- Which of the following best describes the relationship of the second paragraph to the first one?

- It moderates the degree of the significance attached to bamboo in the first paragraph by way of reference to scientific evidence.
- It cites examples of human misuse of bamboo, which is likely to impair its ecological role described in the first paragraph.
- It moves on to another application domain of bamboo in addition to the one discussed in the first paragraph.
- 4) It provides tangible examples for each claim made about the utility of bamboo in the first paragraph.

#### 167- All of the following are true about bamboo EXCEPT that it ------

- 1) endangers animals' life in forests by creating gaps in the canopy
- 2) is instrumental in contributing to forest dynamics
- 3) is used by some animals for shelter
- 4) helps protect soil from erosion

#### 168- Why has the author referred to India and Brazil in paragraph 2?

- Because they both use bamboo to fight poverty
- 2) Because they both grow the largest amount of bamboo globally
- Because they both support the assertion that one of the fastest growing bamboo products is paper
- Because they both make the most economic use of bamboo by exporting it for paper production in other countries

#### 169- The word "that" in paragraph 2 refers to ------

- 1) tensile strength 2) commodity 3) versatility 4) bamboo
- 170- The tone of the passage could best be described as -----
  - critical and demanding
- 2) favorable and supportive
- 3) scholarly and concerned
- 4) skeptical and questioning