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نام : 
 نام خانوادگی:
 شماره داوطلبی:

محل امضا:

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



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

دفترچه شماره ۱
 صبح پنج شنبه
 ۹۵/۴/۲۴

آزمون سراسری ورودی دانشگاه‌های کشور - سال ۱۳۹۵

آزمون عمومی
 گروه آزمایشی علوم ریاضی و فنی

مدت پاسخگویی: ۷۵ دقیقه

تعداد سؤال: ۱۰۰

عنوان مواد امتحانی آزمون عمومی گروه آزمایشی علوم ریاضی و فنی، تعداد، شماره سؤالات و مدت پاسخگویی

ردیف	مواد امتحانی	تعداد سؤال	از شماره	تا شماره	مدت پاسخگویی
۱	زبان و ادبیات فارسی	۲۵	۱	۲۵	۱۸ دقیقه
۲	زبان عربی	۲۵	۲۶	۵۰	۲۰ دقیقه
۳	فرهنگ و معارف اسلامی	۲۵	۵۱	۷۵	۱۷ دقیقه
۴	زبان انگلیسی	۲۵	۷۶	۱۰۰	۲۰ دقیقه

حق چاپ، تکثیر و انتشار سؤالات به هر روش (الکترونیکی و ...) پس از برگزاری آزمون، برای تمامی اشخاص حقیقی و حقوقی تنها با مجوز این سازمان مجاز می باشد و با متخلفین برابر مقررات رفتار می شود.

Part A: Grammar and Vocabulary

Directions: Questions 76-87 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 your answer sheet.

- 76- The design of the carpet appeared so pleasing to John ----- to buy it as quickly as possible.
 1) which he decided 2) that he decided 3) he decided 4) decided
- 77- Some of the animals now ----- in Africa are very close to extinction.
 1) they are living 2) are living 3) live 4) living
- 78- Do you actually want to know -----?
 1) did the first coffee bean growers how used to live
 2) how did the first coffee bean growers use to live
 3) how the first coffee bean growers used to live
 4) the first coffee bean growers used to live how
- 79- Tired ----- the careless employee's endless mistakes, the boss sent him to another department.
 1) of 2) for 3) with 4) about
- 80- This new type of the Digges telescopes ----- images 11 times.
 1) recognizes 2) explores 3) magnifies 4) releases
- 81- He was until very ----- the most powerful banker in the city, but some more powerful ones have started work.
 1) immediately 2) commonly 3) formerly 4) recently
- 82- The story the child told us was not true; it was only the product of his ----- .
 1) conclusion 2) imagination 3) comparison 4) collection
- 83- She told her children to be quiet, as the noise they were making was really ----- her.
 1) bothering 2) preventing 3) frightening 4) influencing
- 84- Probably her greatest ----- is that her mother is ill and that the doctors are not able to keep her alive.
 1) sense 2) prediction 3) concern 4) concentration
- 85- When he said he was not ----- to answer that particular question, we switched on to other questions quickly.
 1) calm 2) exact 3) willing 4) suitable
- 86- I hope a little bit of sleep would ----- some of the confusion from my mind.
 1) remove 2) destroy 3) stick in 4) pick up
- 87- As he felt a pain in his -----, he went to the emergency department of the nearest hospital, afraid that he might have a heart attack.
 1) muscle 2) vessel 3) lung 4) chest

Part B: Cloze Test

Directions: Questions 88-92 are related to the following passage. Read the passage and decide which choice (1), (2), (3), or (4) best fits each space. Then mark your answer sheet.

Like most people, I don't have much trust in car advertisements—(88) ----- they're Audi's or anyone else's. So when I bought an Audi 100LS, I decided to check the (89) ----- which I got against what they advertise.

We (90) ----- together now for 100,000 miles, and I have kept a full record of everything I've spent on my car—right down to the car wax and the polishing cloths. And I can only say that, in my experience, the people at Audi didn't tell the whole truth. They claim that the Audi 100 is remarkably (91) ----- . But nowhere do they tell you that it needs 20 liters of gas per every 100 kilometers, which is (92) -----I've averaged over the past five years. But they came a little closer to the truth when they said that the Audi 100 is reliable.

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|-----|--------------|---------------|----------------|--------------------|
| 88- | 1) since | 2) whether | 3) while | 4) even though |
| 89- | 1) functions | 2) conditions | 3) aspects | 4) results |
| 90- | 1) are | 2) haven been | 3) will be | 4) are going to be |
| 91- | 1) flexible | 2) economical | 3) hardworking | 4) natural |
| 92- | 1) what | 2) when | 3) that | 4) how |

Part C: Reading Comprehension

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

Passage 1:

A device has been developed that enables babies born blind to see the world through echoes from an ultrasonic scanner. Dr. Tom Bower, of Edinburgh University psychology department, told the British Association annual conference that he gave the device to a 16-week-old boy in the U.S. and the child responded to it within half a minute of putting it all.

The battery-operated scanner sends out a pulse of ultra-sound through a cone attached to the forehead. Through earplugs the baby is able to hear echoes in stereo which tell him what lies in front. By moving his head, he will detect sounds from different parts of the room.

The closer the object is, the lower the pitch of the sound. The bigger it is, the louder the sound. The child can also establish whether the object is hard or soft: a hard object will give a clear sound, and a soft one will give a fuzzy sound with overtones. Normal voice commands can be heard by the baby while he is wearing the device.

Bower first tried it out on a blind baby from the Berkeley children's hospital in California. The baby, Denis Daughters, seemed delighted and played hide-and-seek with his mother after a few days. He enjoyed finding her in a room. At the age of nine months, he had reached the development stage of a normal sighted baby. He was able to perform tests such as balancing an object on two prongs or on a table edge. This may sound unimportant, but few sighted children can perform such a task before this age.

93- What is the best title for the passage?

- | | |
|--------------------------------|----------------------------|
| 1) The World of the Newly Born | 2) Seeing With Ears |
| 3) Scanners: A New Version | 4) Scientists Help Doctors |

- 94- The word "it" in paragraph 1 refers to -----.
- 1) device 2) echo 3) conference 4) department
- 95- What does paragraph 2 mainly discuss?
- 1) The quality of the sounds received by blind children
- 2) Who the new invention is good for
- 3) Ways to use the new device
- 4) How the new device works
- 96- Why does the author mention Denis Daughters in the last paragraph?
- 1) To show how to stop blindness in childhood
- 2) To indicate the importance of playing games for the development of children
- 3) To cite an example in support of the fact that the new device is practical
- 4) To prove that more tests are to be performed before the new device can work efficiently

Passage 2:

Mars is the fourth planet from the Sun and the second-smallest planet in the Solar System, after Mercury. It is often referred to as the "Red Planet" because the iron oxide prevalent on its surface gives it a reddish appearance. Mars is a terrestrial planet with a thin atmosphere, having surface features that look like the craters of the Moon and the valleys, deserts, and polar ice caps of Earth.

The rotational period and seasonal cycles of Mars are likewise similar to those of Earth, as is the tilt that produces the seasons. Mars is the site of Olympus Mons, the largest volcano and second-highest known mountain in the Solar System, and of Valles Marineris, one of the largest valleys in the Solar System. The smooth Borealis basin in the northern hemisphere covers 40% of the planet and may be a giant impact feature. Mars has two moons, Phobos and Deimos, which are small and irregularly shaped. These may be captured asteroids, similar to 5261 Eureka, a Mars trojan.

- 97- Which of the following questions is the one the passage is primarily written to answer?
- 1) How was Mar formed?
- 2) What life forms can Mars support?
- 3) What does the Planet Mars look like?
- 4) How big is Mars compared to other planets in the solar system?
- 98- The passage suggests that Olympus Mons -----.
- 1) is the only volcano that we can find on Mars
- 2) plays a part in the creation of Marian seasons
- 3) is the second highest mountain in the universe
- 4) comes second in height in the whole solar system
- 99- The word "one" in paragraph 2 refers to -----.
- 1) Valles Marineris 2) Olympus Mons 3) mountain 4) volcano
- 100- The passage provides enough information to answer which of the following questions?
- 1) Why is the atmosphere of Mars thin?
- 2) Where has the iron oxide on Mars come from?
- 3) Why are the two moons of Mars irregularly shaped?
- 4) How many planets are closer to the Sun than Mars is?