

کد کنترل

111

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نام:

نام خانوادگی:

شماره داوطلبی:

محل امضا:



جمهوری اسلامی ایران

وزارت علوم، تحقیقات و فناوری

سازمان سنجش آموزش کشور

«اگر دانشگاه اصلاح شود مملکت اصلاح می‌شود.»

امام خمینی (ره)

دفترچه شماره ۱

صبح پنج‌شنبه

۹۶/۴/۱۵

آزمون سراسری ورودی دانشگاه‌های کشور - سال ۱۳۹۶

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 می‌باشد و با متخلفین برابر مقررات رفتار می‌شود.

**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- After ten hours of hard work, Tom did not look -----, so I let him go ahead and finish the job.  
1) tired                      2) tiring                      3) to tire                      4) to be tiring
- 77- The teacher, ----- that some of the students had not gotten the point, moved on to the next unit in the book.  
1) not realizing              2) did not realize              3) was not realized              4) she did not realize
- 78- The newly married couple could not decide ----- to live with her parents or to rent an apartment.  
1) they had                      2) who                      3) whether                      4) did they have
- 79- Fortunately, the final test was such an easy test ----- got very good grades.  
1) for most of the students                      2) that most of the students  
3) most of the students who                      4) which most of the students
- 80- I felt a bit ashamed that I was not able to ----- the name of an old friend of mine when I happened to see him in the street one day.  
1) inform                      2) restate                      3) recall                      4) forbid
- 81- It was a very useful course, one in which we received information about every ----- of the job we were going to do.  
1) aspect                      2) scene                      3) ability                      4) result
- 82- The couple behind us kept ----- everyone by talking during the movie.  
1) omitting                      2) distracting                      3) separating                      4) preventing
- 83- She ----- believes that her husband has not done anything wrong and that he is now in prison for no good reason.  
1) emotionally                      2) necessarily                      3) appropriately                      4) firmly
- 84- As the man is lazy and has no ----- of responsibility, he does not work to make money for his family.  
1) sense                      2) basis                      3) habit                      4) amount
- 85- When Johann found out that he was beginning to ----- me, he changed the subject to something less disturbing.  
1) ignore                      2) annoy                      3) overcome                      4) remove
- 86- When an earthquake occurs, deep internal forces cause movements of the earth's -----.  
1) geology                      2) planet                      3) layer                      4) crust
- 87- ----- flowers sometimes look so much like natural ones that you can hardly tell the difference.  
1) Rural                      2) Similar                      3) Artificial                      4) Fashionable

**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.

Africa's population is growing very fast. By 2100, it will be home to 4.4 billion people—four times its present population. The UN has warned: "The continent continues to (88) ----- under very rapid urban growth (89) ----- with extreme urban poverty and many other social (90) -----.

The continent began to take off in the second half of the twentieth century, with its population increasing very quickly. Eastern and Central Africa, including countries such as Kenya and the Congo, (91) -----, Meanwhile, those in the south and north—such as South Africa and Tunisia—saw less growth. This trend (92) ----- to continue in this century—but so far, population growth has not brought wealth with it.

- 88- 1) arise                      2) suffer                      3) follow                      4) operate  
 89- 1) to go                      2) it goes                      3) by going                      4) which goes  
 90- 1) problems                      2) events                      3) slums                      4) activities  
 91- 1) had the highest population growth  
      2) with the highest population growth  
      3) they had the highest population growth  
      4) and the highest population growth to have  
 92- 1) expects                      2) expected                      3) is expected                      4) expecting

### 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:

There is a big difference between the amount of sleep you can get by on and the amount you need to function optimally. According to the National Institutes of Health, the average adult sleeps less than seven hours per night. In today's fast-paced society, six or seven hours of sleep may sound pretty good. In reality, though, if you sleep that long, you are most probably not getting the sleep you need. Just because you're able to operate on six or seven hours of sleep doesn't mean you wouldn't feel a lot better and get more done if you spent an extra hour or two in bed.

While sleep requirements vary slightly from person to person, most healthy adults need between 7 to 9 hours of sleep per night to function at their best. Children and teenagers need even more. And despite the notion that our sleep needs decrease with age, most older people still need at least 7 hours of sleep. Since older adults often have trouble sleeping this long at night, daytime naps can help fill in the gap.

- 93- What is the main idea of the passage?  
 1) Differences in sleep patterns                      2) Ways to improve our sleeping habits  
 3) The amount of sleep humans need                      4) Reasons why we do not sleep enough
- 94- According to the passage, the appropriate number of hours of sleep for people -----.  
 1) is on the rise in today's fast-paced society  
 2) is something between 6 to 7 hours per day  
 3) depends on their daily function  
 4) is not exactly the same
- 95- What does the author mean by "that long" in paragraph 1?  
 1) As much sleep as required  
 2) Six or seven hours of sleep  
 3) Longer than seven hours of sleep per night  
 4) The length of time you actually sleep in real life

- 96- **With which of the following statements is the author more likely to agree?**
- 1) All people need daytime naps these days.
  - 2) As people age, they tend to sleep longer hours.
  - 3) Today's society is a fast-paced one because people cannot function optimally.
  - 4) Children and teenagers in general need more than 7 to 9 hours of sleep per day.

**Passage 2:**

Roald Dahl was one of the most successful writers of children's books who ever lived. He sold millions of books all over the world. He is so famous there is even a Roald Dahl Museum you can visit. Many of his books have been made into films and videos.

Roald Dahl was born in 1916 in Wales. His father was rich but he died when Roald was very young. Roald's mother brought him up. He hated school and left school as soon as he could. Roald went to Africa to seek his fortune, and he spent two years working for an oil company.

In 1939 Roald joined the Air Force as a pilot, but he had a bad crash in the desert. His injuries made him limp for the rest of his life. After this Roald went to America where he wrote a story about his adventures as a pilot. It was so good it was published in a magazine.

Roald met and married Patricia Neal. They bought a house in England and had five children. Between 1960 and 1965 three terrible things happened. Theo, one of his children, was hit by a taxi in New York and was badly hurt. Luckily, he recovered. However, Olivia, one of Roald's daughters, died of a rare illness. Soon after this, his wife also had a serious illness. It took her two years to get completely better. After these two difficult years, his days of success finally arrived.

- 97- **Which of the following best suits the topic of the paragraph immediately following this passage?**
- 1) A new chapter in Roald's life
  - 2) The success that Roald's daughter had
  - 3) How Roald helped his wife feel healthy again
  - 4) The reason why Roald turned to story writing
- 98- **According to the passage, Roald thought he would be able to make much money when he -----.**
- 1) started a museum
  - 2) left Wales for Africa
  - 3) began writing stories for children
  - 4) went to a country in Africa to discover oil
- 99- **Which of the following is TRUE about Roald?**
- 1) Sad events happened in his life in the first half of the 1960s.
  - 2) The airplane accident he had did not physically damage him.
  - 3) He did not have any formal schooling because he disliked schools.
  - 4) His stories somehow reflect the events that in fact happened in his lifetime.
- 100- **The passage provides enough information to answer which of the following questions?**
- 1) How old was Olivia when she died?
  - 2) How long did Roald serve the Air Force as a pilot?
  - 3) Why were Roald's books used as a source for filmmaking?
  - 4) Where did Roald write a story about his adventures as a pilot?

## پاسخنامه تشریحی سوالات زبان انگلیسی رشته ریاضی کد A-111

مربوط به درس 5 زبان سال سوم پیرامون استفاده از صفات فاعلی و مفعولی که در این تست بایستی صفت مفعولی استفاده شود.	1	76
مربوط به درس 3 پیش دانشگاهی در مورد حذف ضمایر موصولی است که پس از حذف ضمیر موصولی معلوم فعل به صورت جراند باقی میماند و بایستی با "نات" منفی شود.	1	77
مربوط به درس 1 زبان پیش می باشد و کلمه ی "OR" کاملاً نشانگر پاسخ صحیح است.	3	78
مربوط به درس 4 سال پیش است که بعد از SUCH جمله باید با THAT ادامه یابد.	2	79
شرمنده بودم که وقتی دوست قدیمی ام را در خیابان به صورت اتفاقی دیدم نتوانستم اسمش را به یاد بیاورم.	3	80
دوره بسیار خوبی است چون در مورد هر جنبه کاری که بایستی انجام دهیم کسب اطلاعات می کنیم.	1	81
زوجی که پشت سر ما نشسته بودند با صحبت کرد حین فیلم حواس همه را پرت کرده بودند.	2	82
قاطعانه مطمئن است که شوهرش گناهی نکرده است و بی دلیل در زندان است.	4	83
چون این مرد تنبل است و هیچ حس مسوولیتی ندارد برای کسب درآمد برای خانواده اش اقدامی نمیکند.	1	84
وقتی جان فهمید حرفهایش من را اذیت میکند پس موضوع بحث را به چیزی کمتر آزادهنده تر تغییر داد.	2	85
وقتی زمین لرزه ای اتفاق میافتند نیروهای درونی عمیقی باعث جابجایی پوسته زمین می شوند.	4	86
گل های مصنوعی گاهی چنان شبیه گل های طبیعی هستند که نمی توان آنها را از هم تشخیص داد.	3	87
این قاره ار رشد جمعیت شهری رنج خواهد برد	2	88
نیاز به ضمیر موصولی است. درس 3 زبان پیش	4	89
مشکلات اجتماعی	1	90
بعد از فاعل "آفریقای مرکزی و شرقی" نیازمند یک فعل هستیم پس گزینه 1 صحیح است.	1	91
نیازمند ساختار مجهول هستیم.	3	92
منابع ریدینگ امسال مربوط به روزنامه اینترنتی تلگراف به ادرس زیر می باشد ریدینگ 1:	3	93
<a href="http://s.telegraph.co.uk/graphics/projects/Africa-in-100-years">/http://s.telegraph.co.uk/graphics/projects/Africa-in-100-years</a>	4	94
ریدینگ 2:	2	95
<a href="http://www.cfmontrose.com/nutrition-blog/2015/1/28/how-much-sleep-do-you-need">http://www.cfmontrose.com/nutrition-blog/2015/1/28/how-much-sleep-do-you-need</a>	4	96
	1	97
<a href="mailto:aliasgharpour62@gmail.com">aliasgharpour62@gmail.com</a>	2	98
	1	99
با تشکر. علی اصغرپور مدرس زبان انگلیسی	4	100