

義守大學 93 學年度研究所碩士在職專班考試試題

系所別	電機工程學系碩士在職專班、 電子工程學系碩士在職專班、 材料科學與工程學系碩士在職專班	考試日期	93/4/24
考試科目	英 文	總頁數	5

※此為試題卷，請將答案填寫在答案卷內，未寫於答案卷內者，不予計分。

※不可使用計算機

SECTION 1: VOCABULARY 20% (10 minutes)

Choose the word and expression whose meaning is the best definition of the underlined word or expression in the following sentences.

1. Sometimes items are put on sale because they have imperfections on them.
a. defects b. mileage c. signatures d. installments
2. A good student is eager to learn and does not need to be warned about being absent too often.
a. admonished b. punished c. belittled d. spanked
3. When a hurricane is about to occur, the national Weather Bureau issues a warning.
a. adjacent b. perilous c. gigantic d. imminent
4. Martin Luther King detested injustice.
a. recognized b. confronted c. suffered d. abhorred
5. Milk is purified by heating it at 60°C for thirty minutes.
a. cleansed b. stored c. mixed d. packaged
6. Flu shots are given every fall as a precaution against an epidemic the following winter.
a. required treatment b. preventive measure c. free service d. new cure
7. All the students were asking for deliverance from the final examination.
a. surrender b. transfer c. rescue d. security
8. Primary education in U.S. is compulsory.
a. free of charge b. required c. excellent d. easy
9. The thief was apprehended, but his accomplice had disappeared.
a. person who saw him b. guns and knives
c. person who helped him d. stolen goods
10. Electrical energy may be divided into two components specified as positive and negative.
a. confused b. designated c. accumulated d. separated

SECTION 2: STRUCTURE AND WRITTEN EXPRESSION 20% (10 minutes)

Questions 1-10 are incomplete sentences. Choose the one word or phrase that best completes the sentence.

1. The boy knocked down by the bus _____ still on the ground.
a. lay b. laid c. lain d. lied

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2. The accident _____ very serious; look at the broken glass here.
a. might have been b. should be c. must have been d. had been

3. I can trust no one. I _____ did it.
a. had better you b. would rather you c. may as well you d. think you better

4. He tied up all the tables and chairs _____ to prevent them from being blown away.
a. as b. so c. so as d. with a view

5. It _____ know the terms before you sign the contract.
a. may as well be for you to b. is well to
c. will be as well for you to d. will be well for you to

6. Several of these washers and dryers are out of order and _____.
a. need to be repairing b. repairing is required of them
c. require that they be repaired d. need to be repaired

7. To answer accurately is more important than _____.
a. to finish quickly b. a quick finish c. finishing quickly d. you finish quickly

8. As soon as _____ with an acid, salt, and sometimes water, is formed.
a. a base will react b. a base is reacting c. a base reacts d. the reaction of a base

9. _____ to send me your invitation.
a. It is kind of you b. It is kind for you
c. You are so kind d. It is kind enough for you

10. Jack sang loudly _____ attract his teacher's attention.
a. in order to b. that he may c. so to d. for the purpose to

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SECTION 3: READING COMPREHENSION 30% (20 minutes)

In this section you will read two passages. Each one is followed by five questions about it. You are to choose the one best answer, a, b, c, or d, to each question.

PASSAGE 1. (10 minutes)

Rain forests circle the globe for twenty degrees of latitude on both sides of the equator. In that relatively narrow band of the planet, more than half of all the species of plants and animals in the world make their home. Several hundred different varieties of trees may grow in a single acre, and just one of those trees may be the habitat for more than ten thousand kinds of spiders, ants, and other insects.

Unfortunately, half of the world's rainforests have already been destroyed, and at the current rate, another 25 percent will be lost by the year 2000. Every sixty seconds, one hundred acres of rainforest is being cleared. By the time you finish reading this passage, two hundred acres will be destroyed! When this happens, constant rains erode the former forest floor, and the ecology of the region is altered forever. Thousands of species of plants and of animals are condemned to extinction and, since we aren't able to predict the ramifications this loss to a delicate global ecology, we don't know what we may be doing to the future of the human species as well.

1. What is the point of view that the author expresses in this passage?
 - a. The author believes that the rainforest will survive.
 - b. The author believes that preserving the rainforest is important to the global ecology.
 - c. The author believes that he can predict the future of global ecology.
 - d. The author believes that the extinction of species is a natural process.
2. According to the passage, more than half of all the species of plants and animals.
 - a. live in twenty rainforests.
 - b. live in several hundred different varieties of trees.
 - c. live in a forty-degree band of latitude.
 - d. live in areas where the rainforest has been cleared.

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3. How many of the world's rainforests are projected to be destroyed if the current rate continues?
 - a. All of them will be gone by the year 2000.
 - b. Three-quarters of them will be gone by the year 2000.
 - c. Half of them will be gone by the year 2000.
 - d. One-quarter of them will be gone by the year 2000.

4. What is the current rate of destruction?
 - a. One acre per minute.
 - b. One acre per second.
 - c. One hundred acres per minute.
 - d. Two hundred acres per hour.

5. What will NOT happen if the rainforest continues to be cleared?
 - a. The land will be eroded by the rains.
 - b. Many species of plants and animals that depend on the rainforest will become extinct.
 - c. The future of the human species may be changed.
 - d. The rainforest will grow, but at a much slower rate.

PASSAGE 2.

(10 minutes)

The influenza virus is a single molecule composed of millions of individual atoms. Although bacteria can be considered a type of plant, secreting poisonous substances into the body of the organism they attack, viruses, like the influenza virus, are living organisms themselves. We may consider them regular chemical molecules since they have strictly defined atomic structure; but on the other hand, we must also consider them as being alive since they are able to multiply in unlimited quantities.

An attack brought on by the presence of the influenza virus in the body produces a temporary immunity, but, unfortunately, the protection is against only the type of virus that caused the influenza. Because the disease can be produced by any one of three types, referred to as A, B, or C, and many strains within each type, immunity to one virus will not prevent infection by another type or strain.

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1. According to this passage, bacteria are _____.
 a. poisons b. very small c. larger than viruses d. plants

2. Why does the writer say that viruses are alive?
 a. Because they have a complex atomic structure. b. Because they move.
 c. Because they multiply. d. Because they need warmth and light.

3. The atomic structure of viruses _____.
 a. is variable b. is strictly defined
 c. cannot be analyzed chemically d. is more complex than that of bacteria

4. The word "unlimited" in line 6 could best be replaced by which of the following?
 a. very small b. very large c. very similar d. very different

5. How does the body react to the influenza virus?
 a. It prevents further infection to other types and strains of the virus.
 b. It produces immunity to the type and strain of virus that invaded it.
 c. It becomes immune to type A, B, and C viruses, but not to various strains within the types.
 d. After a temporary immunity, it becomes even more susceptible to the type and strain that caused the influenza.

SECTION 4: WRITING ESSAY (30%)

(35 minutes)

Write a 200- word essay on choosing ONE of the following topics:

- A. My Occupation
- B. Friendship
- C. Science and National Defense