

سری سوال : یک ۱

زمان آزمون (دقیقه): تستی: ۱۲۰ تشریحی: ۰

تعداد سوالات: تستی: ۳۰ تشریحی: ۰

عنوان درس: زبان تخصصی، زبان تخصصی مهندسی پزشکی

رشته تحصیلی/گد درس: مهندسی برق - گرایش مهندسی پزشکی (بیوالکتریک)، مهندسی پزشکی - بالینی ۱۳۱۸۰۱۶ - مهندسی پزشکی - گرایش بیومتریال، مهندسی پزشکی - گرایش بیومکانیک ۱۳۱۸۰۵۲

1- "Conduction velocity has clinical value, because in a regenerating nerve fiber, the conduction velocity is slowed following nerve injury."

In a regenerating nerve fiber, the nerve injury .....

1. reduce the conduction velocity
2. increase the conduction velocity
3. may reduce or increase the conduction velocity
4. has no effect on the conduction velocity

2- "Active bioelectric sources in the brain generate magnetic as well as electric fields."

Active bioelectric sources in the brain generate .....

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| 1. only magnetic fields              | 2. only electric fields               |
| 3. both magnetic and electric fields | 4. either magnetic or electric fields |

3- "In computerize axial tomography, since isolated cross- sectional images can be produced, intervening structures do not diminish the contrast of the desired planes as in motion tomography."

In motion tomography .....

1. the intervening structures reduce the contrast
2. the cross- sectional images are isolated
3. the X-ray data are not accessible
4. the contrast is appreciably increasing

4- "The electromagnetic flowmeter operates with any conductive liquid such as saline or blood."

The electromagnetic flowmeter can operate .....

- |                     |                               |
|---------------------|-------------------------------|
| 1. only with saline | 2. only with blood            |
| 3. only with water  | 4. with any conductive liquid |

5- "The subject matter of audiometry includes identification of hearing loss in individuals, and the quantitative determination of the degree and nature of such loss."

Audiometry is defined as .....

- |   |                                       |
|---|---------------------------------------|
| 1. testing the sensitivity of hearing sense | 2. identification of hearing sense    |
| 3. qualitative measurement of hearing       | 4. discrimination of different sounds |

6- "To hold oneself back" means .....

- |            |            |          |           |
|------------|------------|----------|-----------|
| 1. refrain | 2. magnify | 3. apply | 4. impair |
|------------|------------|----------|-----------|

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7- "These two buildings are exactly matched."

Which of the choices below means "exactly matched"?

1. indirect                      2. symmetric                      3. collective                      4. useful

8- "The intensification of something" refers to the word .....

1. resonance                      2. delineate                      3. accurate                      4. interpret

9- The word "strength" in "How is the strength of alcoholic liquors measured?" can be replaced with .....

1. difference                      2. indication                      3. intensity                      4. procedure

10- "Of a liquid, not pouring easily" is equal in meaning with the word .....

1. viscous                      2. homogeneous                      3. suspension                      4. enormous

11- Air, food and water are ..... to life.

1. intensive                      2. vital                      3. subtle                      4. mental

12- Computed tomography is a noninvasive diagnostic procedure and essentially without any .....

1. imaging                      2. radiation                      3. hazard                      4. designation

13- A ..... is a device through which sound or light is passed and which block or reduces particular sound or light frequencies.

1. filter                      2. X-ray tube                      3. film caste                      4. power supply

14- Most of the sounds we hear have ..... of around several hundred vibrations a second.

1. currents                      2. degrees                      3. frequencies                      4. forms

15- Cardiopulmonary resuscitation is consisting of artificial ..... And external cardiac message.

1. emergency                      2. approach                      3. ventilation                      4. respiration

16- He reminded himself to thank Louis ..... After the job was done.

1. appropriate                      2. appropriation                      3. appropriating                      4. appropriately

17- He was suffering from ..... to nuclear radiation.

1. expose                      2. exposure                      3. exposed                      4. exposes

18- I made up my mind to ..... for a scholarship.

1. apply                      2. applied                      3. application                      4. applicable

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19- She was ..... about my having to leave home.

1. distress                      2. distressful                      3. distressed                      4. distressing

20- His character has undergone a ..... since his brain operation.

1. transform                      2. transformable                      3. transformation                      4. transforms

21- What does the specified affix in the word "fusiform" mean respectively?

1. science                      2. small                      3. pertaining to                      4. shaped like

22- What does the word "endoplasm" mean?

1. within the cell                      2. between ribs                      3. under the skin                      4. turning inward

23- What do the specified affixes in the words "angiospasm, osteopathy, hematologist" mean respectively?

1. vessel, gland, muscle                      2. bone, breast, neck  
3. vessel, bone, blood                      4. brain, skull, blood

24- Which of the following choices refers to the concept "instrument for inspecting the ear"?

1. otoscope                      2. microscope                      3. endoscope                      4. gastroscope

25- What do affixes "hepat-, nephr-, cost-" mean respectively in hepatitis, nephrons and costal?

1. liver, uterus, cell                      2. liver, kidney, rib  
3. joint, intestine, kidney                      4. stone, tear, rib

26- Which of the following choices fit the blank?

"These machines must be tested under normal ..... conditions."

1. function                      2. works                      3. running                      4. operates

27- Which of the following sentences is grammatically right?

1. Electric current may be looked on as a flow of electrons through a medium.  
2. Electric current may be regarded to a flow of electrons through a medium.  
3. Electric current may be look on a flow of electrons through a medium.  
4. Electric current may be considered a flow of electrons through a medium.

28- Which of the choices below does NOT fit the blank?

"A safety valve is provided ..... allow excess pressure to escape."

1. to                      2. for                      3. so as to                      4. in order to

