

زبان تخصصی، زبان تخصصی مهندسی پزشکی

- 1- Electromyography is the technique of recording the electrical responses generated by in response to stimulation or contraction.
1. Eye
 2. Muscle
 3. Brain
 4. Heart
- 2- Permanent recordings are produced on ultraviolet or electrostatic.....
1. Needles
 2. Fibers
 3. Amplifiers
 4. Recorders
- 3- needle electrodes have a common center.
1. Multi-center
 2. Concentric
 3. Amplified
 4. Centrifuge
- 4- is a blood flow measurement technique in which an indicator is added and its concentration is measured after thorough mixing with the flowing blood.
1. Electromagnetic induction
 2. Indicator dilution method
 3. Indicator clearance method
 4. Venous occlusion plethysmography
- 5- In plethysmography, the limb is enclosed in a rigid container filled with warm water, and an inflatable encircles the limb where it enters the container at a waterproof seal.
1. Cuff
 2. Pulse
 3. Wire
 4. Vessel
- 6- is a diagnostic or therapeutic technique that does not need the skin to be broken or a cavity or organ of the body to be entered.
1. Invasive
 2. Clinical
 3. Non-invasive
 4. Non-clinical
- 7- is any organic coloring material produced in the body.
1. Nerve
 2. Stimulus
 3. Blood
 4. Pigment
- 8- Compared with other imaging techniques such as radiography, CT and MRI, the ultrasonic instruments are relatively inexpensive. The word "inexpensive" is a synonym for
1. Very expensive
 2. Cheap
 3. Valuable
 4. Price
- 9- Many tissues are irreversibly damaged by exposure to temperatures more than 50 degrees centigrade. The word "exposure" is a synonym for
1. Separation
 2. Contact
 3. Cold
 4. Absorb
- 10- refers to the quality of a substance that enables it to become attached to another substance.
1. Adhesive
 2. Compressive
 3. Invasive
 4. Evoking

- 11-In the standard various pairs of electrodes are placed on the skin of the limbs and chest.
1. Electroretinogram

2. Electrocardiogram

3. Electroencephalogram

4. Electrostatics
- 12-Understanding the genesis of ECGs has allowed a scientific approach to be adopted. The word “genesis” is a synonym for
1. segment

2. diagnosis

3. origin

4. design
- 13-In computerized axial tomography, an X-ray tube moves in a circular path, with the patient on the axis of rotation, and detectors either rotate simultaneously or are fixed around the plane of rotation. The word “simultaneously” is a synonym for
1. Before

2. After

3. At the same time

4. At different times
- 14-A wound, injury or pathologic change in the body tissue is called
1. Lesion

2. Aperture

3. Oncology

4. Supersede
- 15-The functions of the bones of the skeleton are possible because bone is both stiff and strong. Which of the following words is the OPPOSITE of “stiff”?
1. Hard

2. Protect

3. Soft

4. Linear
- 16-Many of the abnormalities of the heart can be treated by drugs. If drugs alone are not sufficient, then is considered.
1. Permanent diagnosis

2. Temporary functionality

3. Permanent intensity

4. Temporary pacing
- 17-The new techniques led to the development of modern solid-state electrosurgery apparatus. The word “apparatus” refers to.....
1. A special type of surgery

2. The use of electricity in surgery

3. The use of output circuits

4. A device for a specific purpose
- 18-Many general-purpose electrosurgery units provide a blended or ‘cutting with hemostasis’ output which combines cutting properties with coagulating effects. The word “blended” is a synonym for
1. Different

2. Similar

3. Mixed

4. Developed
- 19-..... refers to a collection of similar cells which perform a particular action.
1. Tissue

2. Enamel

3. Infection

4. Material

- 20-Endoscope, which may be rigid or flexible, is a device which facilitates the examination of body cavities which are to the human eye.
1. Similar 2. Adaptable 3. Accessible 4. Inaccessible
- 21-A study of the movement of a dye in rabbit eye showed that a posterior flow may in the retina.
1. Exist 2. Existent 3. Existence 4. Existing
- 22-Plasma viscosity is on temperature, a fall in temperature causing a rise in viscosity.
1. Depend 2. Not depend 3. Dependent 4. Independent
- 23-Computers have figured in various models of electrical of the heart.
1. Action 2. Active 3. Activity 4. Actor
- 24-Many hormones affect the metabolism of skeletal muscle but none of them have influences on its contraction.
1. Strong 2. Strongly 3. Strength 4. Strengthening
- 25-The applications of biomechanics certain knowledge of mathematics.
1. Require 2. Requirement 3. Requiring 4. Inquired
- 26-Over the years, a number of automated methods for diagnosis of neuromuscular diseases have been introduced.
1. قلبی عضلاتی 2. عصبی عروقی 3. عصبی عضلاتی 4. مغزی عصبی
- 27-An ERG is a recording of the pattern of transient electrical signals that develop across the retina when it is stimulated by light.
1. نوار چشم 2. نوار عصب 3. نوار عضله 4. نوار قلب
- 28-Electroencephalography is the recording of the scalp activity, and it changes with mental state of the subject.
1. نوار عصب 2. نوار عضله 3. نوار قلب 4. نوار مغزی
- 29-The use of artificial cardiac pacemaker is well established in medical practice.
1. نوار قلب 2. ضربان ساز 3. کندکاری 4. پیش سنج
- 30-Artificial materials that simply are in contact with the skin, such as hearing aids and wearable artificial limbs are not biomaterials, because the skin acts as a barrier with the external world.
1. مانع 2. رسانا 3. ماده 4. ضا

شماره سوال	پاسخ صحیح
1	ب
2	د
3	ب
4	ب
5	الف
6	ج
7	د
8	ب
9	ب
10	الف
11	ب
12	د
13	ج
14	الف
15	ج
16	د
17	د
18	ج
19	الف
20	د
21	الف
22	ج
23	ج
24	الف
25	الف
26	ج
27	الف
28	د
29	ب
30	الف