



تعداد سوالات: تستی: ۳۰ تشریحی: ۰

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

سری سوال: یک ۱

عنوان درس: زبان تخصصی

رشته تحصیلی/کد درس: فیزیک (اتمی و مولکولی)، فیزیک (حالت جامد)، فیزیک (هسته ای) (۱۲۱۲۱۶۰)

1-Energy can be changed into different forms, but it is never created or destroyed. This is called the principle of of energy.

1. quantity 2. oscillation 3. discharge 4. conservation

2-The energy dissipated in the oceans by the tides is replenished via..... forces from the earth's kinetic energy.

1. motional 2. fundamental 3. coordinate 4. frictional

3-There are many different between the of men and women

1. ionization 2. fraction 3. anatomy 4. conduction

4-We mustour natural resources for future generation

1. provide 2. conserve 3. consume 4. contact

5-Gain control over sth difficult:

1. conquer 2. verify 3. apply 4. offset

6-He is not interested in..... Literature; he prefers classical poems and stories.

1. approach 2. detection 3. contemporary 4. subfield

7-Each musical instrument has its special..... which is different from that of any other

1. timbre 2. capacitate 3. membrane 4. crude

8-All mechanical..... can be written in terms of dimensions of length, time, and mass

1. quantity 2. fraction 3. quality 4. energy

9-The high force of the car caused it to turn over at the bend.

1. complication 2. centrifugal 3. centrifuge 4. complicated

10-Nowadays computers are used to..... delicate measuring devices

1. contact 2. couple 3. change 4. calibrate

11-

Many people are against the use of..... submarines; they believe they are dangerous.

1. atom 2. atomic 3. detector 4. detectable



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12-Most of the scientific discovers have practical **significance** for man's life. significance means:

1. value 2. adjust 3. control 4. detection

13-His discoveries had a strong..... on the word of science.

1. Impress 2. Impressive 3. Impression 4. Impressively

14-When we break down atoms through solution in water and make this solution a conductor of electricity..... happens.

1. liberate 2. ion 3. liberation 4. ionization

15-The choice of football players for the team seems to be completely..... there is no reason for this selection.

1. derivation 2. arbitrariness 3. arbitrary 4. derivative

16-Iran is a country with great..... of human and natural resources.

1. reciprocal 2. potential 3. subjective 4. verifiable

17-The vector sum of all the forces acting on an object is equal to the product of its mass and.....

1. acceleration 2. application 3. accelerator 4. applicable

18-The scientific study of sight and of light in relation to sight is called.....

1. Optics 2. Optic 3. Optically 4. Optical

19-Quantum mechanics is the branch of physics which studies the of atoms.

1. Behave 2. Behavior 3. alternation 4. alternate

20-Blind people cannot the environment through their eyes; they have to use other senses

1. specify 2. perceive 3. denote 4. behave

-21 He his gold medal with a piece of cloth to make it shine.

1. revealed 2. suspended 3. stroked 4. credited

-22 In central heating systems water is used to heat.

1. restoration 2. revelation 3. induction 4. conduction

-23 Students of many fields find themselves studying physics because of the basic role it plays in all phenomena.

1. شتاب ها 2. تکانه ها 3. گرانش ها 4. پدیده ها



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24-The of an object is a measure of the work an object can do because of its motion.

1. kinetic energy 2. capillary tube 3. pyrometer 4. thermocouple

25-Irankhodro company Paykan and Peugeot 405.

1. manufacture 2. liberate 3. discharge 4. substantiate

The typical student begins a first college physics course wondering, "Is there anything in this * for me or is this just another hurdle which I have to get over?" Although some study physics because they are interested in the laws of nature, most students in this course are here because it is26.....of their * majors. However, just knowing that experts in a student's chosen field have agreed that knowledge of physics is an27.....component of the student's education does not make the course more interesting or easier. In fact, many of those experts* might agree that there is no way to make the study of physics easy However, it* is possible to make physics palatable, i.e., ...28.....to the mind, so that the student, having conquered the....29....., will feel deep satisfaction in having made the ...30....effort.

26-To form a theory, a scientist has to deal with a great number of problems. deal with means:

1. take action about 2. with the purpose that
3. be consistent with 4. in other words

27-A car's wheels can be by removing their nuts.

1. dominated 2. detached 3. stated 4. exerted

28-A sled on ice continues its motion because the stopping force provided by the ice is too small to change the motion.

1. friction 2. frictional 3. gravitation 4. gravitational

29-A device that detects the presence of minute charges of electricity is:

1. Conductor 2. Electroscope 3. Amber 4. Insulator

30- When the two wires , a big fire started.

1. calibrated 2. touched 3. limited 4. made