

## سؤالات زبان انگلیسی

1. Which sentence is grammatically wrong?
  - 1) It is fun for the children seeing monkeys.
  - 2) Some monkeys work as farmhands on the farm.
  - 3) The monkey rides on the back of the farmer's bicycle.
  - 4) A green coconut must stay on the tree longer.
2. Ali ..... his father.
  - 1) as tall
  - 2) as tall as
  - 3) taller
  - 4) tallest
3. There is no steam in the kettle, .....?
  - 1) isn't there
  - 2) is it
  - 3) is there
  - 4) isn't it
4. The doctor ..... her job well, does she?
  - 1) doesn't do
  - 2) don't do
  - 3) didn't do
  - 4) won't do
5. You shouldn't your ..... children swim in this part of the river.
  - 1) let
  - 2) mean
  - 3) fix
  - 4) ride
6. I want to buy a coat, but I don't have any money to ..... for it.
  - 1) look
  - 2) pay
  - 3) play
  - 4) love
7. I think it is the ..... thing that could happen. I'm really sorry.
  - 1) worst
  - 2) best
  - 3) happiest
  - 4) easiest
8. The shoes are very ..... they don't hurt my feet.
  - 1) expensive
  - 2) cheap
  - 3) comfortable
  - 4) clean
9. Can you speak a ..... language?  
Yes, I can speak English and French.
  - 1) beautiful
  - 2) necessary
  - 3) foreign
  - 4) modern
10. Please write the letter once more, "once more" means.....
  - 1) again
  - 2) not at all
  - 3) all the time
  - 4) another thing
11. Good ..... is very necessary and important in a large organization.
  - 1) communication
  - 2) combination
  - 3) expression
  - 4) attraction

### **Cloze Test :**

Preparing and giving your first speech can be a hard thing to do. You may find it difficult .... 12 .... What you want to say or how to say it. Even the thought of speaking before a(n) ...13... may frighten you. It's true that some people are good at ...14... speaking. But the good news is that anyone can ...15... a successful presentation if he prepares himself for it.

12.

- 1) deciding                      2) supporting                      3) protecting                      4) agreeing

13.

- 1) audience                      2) stance                      3) choice                      4) situation

14.

- 1) brief                      2) human                      3) public                      4) actual

15.

- 1) hold                      2) bring                      3) give                      4) take

### **Reading Comprehension:**

Energy is what makes things move. Food has energy because your body can use it to make your muscles move. Fuels have energy because engines can use them to product motion. Batteries have energy because they can make electric motors turn round.

Heat is a form of energy. This may seem puzzling because an electric fire doesn't appear to move when it gets hot. In fact, there is movement, but you can't see it the atoms in any solid are always vibrating. If the solid is heated up, it's atoms vibrate faster. This means that billions of any forces are giving the atoms extra speed.

Whenever a force moves something, scientists say that work is done. The bigger the force and the further it moves, the more work is done. Like energy, work is measured in Joules. In lifting a book about 10 cm, you would be doing about one joule of work.

16. Which statement is exactly correct?

- 1) Without energy, life is more comfortable.  
2) Without energy, nothing would ever get done.  
3) Scientists believe that heat is a form of energy, but it's not true.  
4) Scientists believe that energy is measured in Joules, unlike work.

17. You understand from the passage that .....
- 1) there is a link between energy and work.
  - 2) if something has energy, it can't work.
  - 3) work and energy are exactly the same
  - 4) energy isn't necessary to move something.
18. How do we understand that fuels have energy?
- 1) Because it is necessary for our life.
  - 2) Because it is a form of energy and force.
  - 3) Because our body can use it to make our muscles move.
  - 4) Because engines can use them to produce motion.
19. When do we say that work is done?
- 1) when we measure force.
  - 2) when a force moves something.
  - 3) when a force to moves something.
  - 4) when we use a force to move something.
20. The underline word means .....
- 1) changing                      2) shaking                      3) making                      4) using

**Read the paragraphs and sentences carefully then answer the questions which follow.**

A.

Thermodynamics is the Science dealing with energy transformations, including heat and work, and the physical properties of substances that are involved in Energy transformations. Today, an understanding of thermodynamics is essential for much of the work of the engineer, physicist, and chemist.

If a system of thermodynamics is defined as a particular quantity of matter, then the system always contains the same matter and there can be no transfer of mass across the boundary .

However, if a system is defined as a region of space within a prescribed boundary, then matter may cross the system boundary. In order to distinguish between these systems, the type that has no mass transfer across its boundary we call a closed

system or control mass. An open system is a region of space within a boundary which matter may cross. This boundary may be moving.

21. Thermodynamics is the science which....

- 1) using by physicists only
- 2) works just on heat
- 3) deals with special kind of energy
- 4) works on energy transformations

22. how many systems of thermodynamics are discussed here?

- 1) one
- 2) two
- 3) three
- 4) four

23. One of the above mentioned system is closed: because .....

- 1) its boundary may be moving
- 2) it has no boundary
- 3) mass crosses its boundary
- 4) mass doesn't transfer across its boundary

B.

Petroleum refining is the separation of petroleum in to fractions and the subsequent treating of these fractions to make them into petroleum products. Most petroleum products, including kerosenes, fuel oils, lubricating oils, and waxes are fractions of petroleum that have been treated to remove undesirable components. Other products, for example, gasolines, aromatic solvents, and even some asphalts, are totally, or partly, synthetic, in that they have compositions that are impossible to achieve by direct separation of these materials from crude petroleum. They result from chemical processes that change the molecular nature of selected portions of crude petroleum.

Which statement is true according to the text?

24. Some petroleum products which are indirectly separated are .....

- 1) gasolines, aromatic solvents and some asphalts.
- 2) Kerosenes, fuel oils, lubricating oils and waxes
- 3) undesirable components
- 4) fractions of petroleum which are not refined

25. Other products of petroleum are totally/partly synthetic in other words.....

- 1) they derive from chemical processes that change the molecular nature and selected portions of crude petroleum

- 2) they are directly separated from crude petroleum
- 3) they are not components of crude petroleum
- 4) they include kerosenes, oil and waxes.

C.

Check the synonyms of the underlined words:

26. A free radical is formed by the decomposition of a relatively unstable material called an inifiator.

- 1) separation
- 2) mixture
- 3) addition
- 4) reaction

27. In a few seconds more monomers add successively to the growing chain of the polymer.

- 1) all together
- 2) relatively
- 3) slowly
- 4) one after another

D.

From the engineers point of view, reaction kinetics has the following principal function:

1- Establishing the chemical mechanism of reaction

2- collecting experimental rate date.

3- correlating rate by mathematical equation.

4- Designing suitable reactors.

5-Specifying operating conditions, method of control and auxiliary equipment reactions may be classified in several ways, first on the basis of mechanism include: Irreversible; Reversible simultaneous; and consecutive. Another classification from the point of view of mechanism is: with respect to the number of molecules actually participating in the reaction. So - called molecularity with subdivisions of unimolecular and bimolecular.

Related to the preceding is the classification with respect to order.

28. The 1 st . and most significant function of reaction kinetics is

- 1) correlating rate date by mathematical equation.
- 2) Establishing the chemical mechanism of reaction
- 3) designing suitable reactors
- 4) collecting experimental rate date

29. How many main groups can be found in classification of reaction on the mechanism point of view?  
 1) two                      2) four                      3) five                      4) six
30. Related to the preceding is the classification based on order. This sentence means that  
 1) there is no relation between these two classification.  
 2) the first classification is totally different from the classification based on order.  
 3) the classification based on mechanism is not separated from ordered classification.  
 4) these two classification are exactly the same.
31. Branched polymers, unlike linear – chain polymer, have branched chains in their molecular Structure, due to side reactions during.....  
 1) Purification                      2) polymerization  
 3) Vulcanization                      4) Copolymerization
32. The building block or monomer of poly (vinyl chloride), PVC, IS.....  
 1)  $\text{CH}_2 = \text{CHCl}$                       2)  $\text{CHCl} = \text{CHCl}$   
 3)  $\text{CH}_2 = \text{CCl}_2$                       4)  $\text{CCl}_2 = \text{CCl}_2$
33. .... Polymers soften on heating and are unaltered chemically. On other hand ..... polymers degrade or decompose on heating.  
 1) soft , hard                      2) hard , soft  
 3) thermoplastic                      4) thermosetting , thermoplastic
34. Petroleum is regarded as a mixture of gaseous, liquid and solid.....  
 1) hydrocarbons                      2) carbohydrates  
 3) inorganic compounds                      4) organometallic compounds
35. When an element or compound is in its most stable form under 1 atmosphere pressure and a temperature of  $25^\circ\text{C}$ , it is said to be in its .....  
 1) Pure form                      2) Active state

3) Standard state

4) Thermodynamic state

36. The law of conservation of matter state that matter:

1) cannot be created but can be destroyed.

2) can be created but not destroyed

3) can be created or destroyed

4) cannot be created or destroyed

37. A galvanic cell is:

1) An electrolytic cell in which complex formation reaction proceeds by the aid of electrical energy.

2) An electrochemical cell in which non spontaneous electrode reactions are forced to proceed.

3) An electrolytic cell in which non spontaneous electrode reactions are forced to proceed.

4) An electrolytic cell in which catalytic reactions take place.

38. Extraction is .....

1) A process by which trace metal ions are complexed.

2) A process where miscible solvents are used for separation of species

3) A process by which immiscible solvents are used for separation of species from solutions.

4) A process in which solvents are used for distillation purposes.

39. Thermodynamic is the study of the ..... of energy from one form to another.

1) Catalysis

2) Catcracking

3) Cataphoresis

4) Catalysts

40. ....enhance the speed of a reaction by altering the mechanism to provide a pathway a lower activation energy.

1) Catalysis

2) Catcracking

3) Cataphoresis

4) Catalysts





64. It was ..... Amusing film that I saw it twice?  
1) such an                    2) too                    3) enough                    4) so
65. Everybody wants to find a good job?.....  
1) aren't they                    2) isn't he                    3) don't they                    4) doesn't he
66. Why does she want to go to the library?  
She would like ..... some letters.  
1) to write                    2) write                    3) writes                    4) writing
67. These days, football ..... played all over the world.  
1) be                    2) is                    3) was                    4) being
68. The examinations being ..... January.  
1) at                    2) on                    3) in                    4) with
69. In autumn the tree ..... Trier leaves.  
1) are losing                    2) are lost                    3) lose                    4) have lost
70. A scientist can ..... Something new in any experiment he makes.  
1) continue                    2) discover                    3) follow                    4) wonder
71. Babies ..... before they can walk.  
1) stop                    2) knock                    3) crawl                    4) small
72. Last week, The ..... Of our composition was "The Role of TV"  
1) area                    2) basis                    3) branch                    4) topic
73. Mr. Amini ..... A lot of money by writing stories.  
1) earns                    2) promises                    3) prepares                    4) spends
74. Mrs. Ahmady's servant will .... Her children she is in hospital.  
1) look up                    2) look for                    3) look after                    4) look at
75. I can not visit Ali, .... I don't feel well today.  
1) when                    2) due to                    3) since                    4) because of
76. I feel very .... To be a part of such a successful constructional bridge project.  
1) healthy                    2) fit                    3) active                    4) proud

77. Ali didn't want to ..... his wife with his financial problems on their trip, so he pretended to be happy.  
 1) provide                      2) bother                      3) support                      4) inform
78. Reza could have found my house ..... He had forgotten the address.  
 1) because                      2) while                      3) unless                      4) whereas
79. It is a scientific ..... that light travels faster than sound.  
 1) event                      2) observation                      3) fact                      4) principle
80. Scientists found that oil could be used as a ..... for heating and lighting.  
 1) root                      2) fuel                      3) fiber                      4) loaf
81. Rubber stretches and bends .....
- 1) regularly                      2) actively                      3) forcibly                      4) flexibly
82. The fuel tank has a/an ..... of sixty liters.  
 1) activity                      2) capacity                      3) responsibility                      4) ability
83. The United Nations has been in existence ..... Word war II ended.  
 1) since                      2) during                      3) when                      4) for
84. Open the window and let some ..... air in.  
 1) sudden                      2) suring                      3) when                      4) for
85. Reza suffers from hard ....., so he can not bend easily.  
 1) joints                      2) ribs                      3) incomes                      4) feelings
86. Physical exercise is good way of ..... Stress.  
 1) releasing                      2) raising                      3) realizing                      4) stretching
87. Smoking and bad quality of the air that people breathe can cause ..... cancer.  
 1) bone                      2) joint                      3) hear                      4) lung

**I. READING. Read the passages and choose the answer to each question .**

People who have the capacity for intense concentration have a great advantage. Such people have the ability to ignore the stimuli (sights, sounds, or anything that can distract a person) and more likely are to stay with the task at hand and to solve it. This ability can make all the difference between winning and losing in certain

situations-for example, the championship runner competing for the gold medal at the Olympic.

88. In this passage "concentration" refers to a person's ability to .....
- 1) stay in on place
  - 2) focus on a task
  - 3) hear certain sounds
  - 4) ignore stimuli
89. Sportsmen who can concentrate are more likely to.....
- 1) compete
  - 2) win
  - 3) relax
  - 4) run
90. The phrase "stay with the task" as used here is closest in meaning to .... the task.
- 1) ignore
  - 2) leave
  - ۳) compete with
  - ۴) concentrate on

According to one story a Scottish boy watched the steam lift the top off his mothers tea kettle and realized the power of steam to make machines work that boy, James watt, would hen go to invent the modern steam engine in 1769. Actually, the history of steam technology records the successful work of several scientists an engineers before watt. For example, in 1698, Thomas savory had introduced a simple steam pump to remove water from mines, and 14 years later Tomas Newcomen invented a better pump. But these pumps were not efficient because they used so much fuel. In 1769 the Scottish boy, James watt, figured out a way to save three – quarters of the fuel. To honor him, his last name became the name of a unit of energy.

91. The example of boiling kettle shows that steam is .....
- 1) useful
  - 2) efficient
  - 3) powerful
  - 4) necessary
92. The first steam engines .....
- 1) didn't pump water
  - 2) cost too much to build
  - 3) were difficult to make
  - 4) used too much fuel
93. From the passage, we understand that James watt .... To reduce the use of fuel to a quarter.
- 1) imagined a technique
  - 2) made a kind of pump
  - 3) invented a pump
  - 4) built the first steam engine
94. We can show "three – quarters" by.....
- 1) 30 %
  - 2) 25 %
  - 3) 75 %
  - 4) 50 %

**VOCABULARY AND STRUCTURE. Choose the word or phrase which best completes each item and make best completes each item and make it on your answer sheet.**

95. Excuse me, can you tell me the way to the town hall?  
1) conductor            2) foreigner            3) tourist            4) stranger
96. We asked the ..... At the hotel to get us a taxi.  
1) lawyer            2) receptionist            3) reporter            4) conductor
97. It's cold outside. Don't forget to take your .....  
1) scarf            2) pants            3) shorts            4) suits
98. In Iran, most people ..... Hands when they first meet.  
1) have            2) lock            3) hold            4) shake
99. It .... me about an hour to get to the bank .  
1) makes            2) takes            3) gets            4) spends
100. He asked me how old .....  
1) was I            2) did I            3) I was            4) am I
101. I failed my math exam, I wish I ..... more.  
1) studied            2) had studied  
3) would studied            4) have studied
102. My car was broken, therefore, I got a mechanic .... It .  
1) fix            2) fixes            3) fixing            4) to fix
103. The man ..... coat is brown is from Tabriz .  
1) which            2) that            3) whose            4) whom
104. I had to change the wheel of may car because its tire was.  
1) off            2) flat            3) broken            4) empty
105. We have to walk up the stairs because the ..... Is out of order.  
1) generator            2) booth            3) elevator            4) air conditioner
106. Due to care accident, there was a traffic ....., and the cars couldn't move.  
1) jam            2) pile            3) regulation            4) light
107. I had no money to pay fore the books because I had lost my .....  
1) racket            2) backpack            3) boot            4) wallet

**A: choose the best choice**

108. The container is ten meters.....

- 1) height
- 2) heavy
- 3) length
- 4) long

109. A rectangle has two ..... length and width

- 1) measures
- 2) dimensions
- 3) shapes
- 4) figures

110. An isosceles triangles has two equal sides and a .....

- 1) height
- 2) length
- 3) base
- 4) dimension

111. The suez canal is 12 meters in .....

- 1) weight
- 2) depth
- 3) density
- 4) length

112. Rubber is ..... but wood is not.

- 1) soluble
- 2) flexible
- 3) accurate
- 4) beavy

113. The ancient Persian considered that truthfulness was the supreme virtue and lying the greatest offense. For many years the Persian nation was known for .....

- 1) liberty
- 2) bribery
- 3) honesty
- 4) bravery

114. We raise sugar cane in Khuzestan. Cane needs a long summer and will grow well in almost all.....

- 1) regions of the world
- 2) parts of the country
- 3) seasons of the year
- 4) warm countries

115. In countries of the Middle East dates are such an important article of food that the failure of the date crop is a/n .....

- 1) serious loss
- 2) political issue
- 3) frequent occurrence
- 4) economic advantage

116. Overpopulation is a problem in many of the areas in which rice is produced. Since rice is the principal component of the diet of the people in their areas, not much of it is .....

- 1) grown annually
- 2) left for export
- 3) marketed locally
- 4) ordered as medicine

117. The feed water should be free from dissolved salts this sentence means that it should ..... dissolved salts.

- 1) deposit                      2) absorb                      3) contain                      4) not contain

118. One disadvantage of this new model is its high ..... of fuel.

- 1) admission                      2) introduction                      3) production                      4) consumption

119. A ..... of oil is applied between the two surfaces in contact to decrease friction.

- 1) volume                      2) film                      3) draught                      4) charge

120. Pure water which is the result of condensing water vapor is known as ....

- 1) feed water                      2) condensed  
3) distilled water                      4) coolant

121. The project will continue whether or not they receive enough money, in other words, the project will continue .... The cost.

- 1) with respect to                      2) depending on  
3) irrespective of                      4) with regard of

122. Impurities should be ... from the solution immediately.

- 1) displaced                      2) replaced                      3) removed                      4) extracted

## پاسخنامه سؤالات

شماره سؤال	گزینه صحیح
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شماره سؤال	گزینه صحیح
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