

## ΘΕΜΑ 1. ΚΑΤΑΝΟΗΣΗ ΓΡΑΠΤΟΥ ΛΟΓΟΥ

Read the text and choose the correct option (A, B or C) for items 1-10.



Research agencies have instructed UK scientists to reform the way they experiment by changing their attitude towards the number of animals used. The organisations have warned that too often poorly designed projects that are carried out in order to test new medicines for various health problems have produced meaningless results and wasted animals' lives. In some cases, researchers have underestimated the number of animals needed to test a new medicine in an effort to control the costs of their study.

As a consequence, their small scale studies have lacked the power to identify biological effects in the drugs under scrutiny. These **unreliable** results indicate the pointless use, which can at times even include overuse, of animals in experiments in addition to wasting scientists' time and resources.

The problem of poorly designed studies has been under investigation for two years and culminated last week when the UK Research Councils announced changes to guidelines for those carrying out research using animals. Scientists will now have to show that their work will produce physiological insights as well as generate statistically valid data; otherwise they will lose their funding. A neuroscientist of Edinburgh University believes that these guidelines should definitely be welcomed by the scientific community, although it has taken a long time to introduce **them**. He also added that there has been an increasing awareness that the results of some animal experiments are not in fact very strong. He explained that a specific number of animals can be used in experiments but no more or no fewer than necessary. It is ethically **questionable** to get the numbers wrong either way.

(Words: 260)

- The main purpose of the text is to  
A. inform about changes.      B. promote new research.      C. advertise new medicines.
- Who would be most interested in reading this text?  
A. Vets      B. Researchers      C. Ecologists
- Studies on new medicines  
A. sometimes overuse animals.      B. always have good results.      C. are always well-designed.
- Animals are used in scientific studies in order to  
A. check new medicines.      B. cut down expenses.      C. save valuable time.
- Some researchers do not seem to worry about  
A. the money they get for their studies.      B. the unreliable results of their studies.      C. the overuse of animals in their studies.
- Scientists will lose their funding when they  
A. do small scale research.      B. do not produce valid data.      C. do not control the costs.
- Changes to research guidelines aim at  
A. helping scientists carry out long-scale studies.      B. controlling use of animals in experiments.      C. spending more money on small-scale studies.
- In the text, the underlined word "**unreliable**" means  
A. incorrect.      B. insignificant.      C. unhealthy.
- In the text, the underlined word "**them**" refers to  
A. the guidelines.      B. the scientists.      C. the experiments.
- In the text, the underlined word "**questionable**" means  
A. absolutely certain.      B. easy to do.      C. not easily acceptable.

**ΘΕΜΑ 2<sup>ο</sup>. ΛΕΞΙΚΟΓΡΑΜΜΑΤΙΚΗ**

Fill each gap in sentences 11-20 with the correct word from the box below (A-J). Use each word only once.

<b>A.</b>	strength	<b>B.</b>	waste	<b>C.</b>	unreliable	<b>D.</b>	increasing	<b>E.</b>	investigation
<b>F.</b>	poorly	<b>G.</b>	generate	<b>H.</b>	power	<b>I.</b>	consequence	<b>J.</b>	definitely

<b>11.</b>	He was considered _____ because he kept changing the data and results of his study.
<b>12.</b>	Many people die as a _____ of cigarette smoking.
<b>13.</b>	The teacher's positive comments seem to _____ motivation to learners.
<b>14.</b>	Political leaders try to have _____ influence over the citizens.
<b>15.</b>	I had to find the _____ to overcome all difficulties in the best possible way.
<b>16.</b>	Are you sure? Have you _____ decided to move to the USA?
<b>17.</b>	A police _____ of the bank robbery has been under way for several days.
<b>18.</b>	The factory workers went on a strike because they were _____ paid.
<b>19.</b>	He admitted that his boss had the _____ to make his life difficult.
<b>20.</b>	We will not _____ our valuable time discussing your pointless arguments.