

Вариант 1

1. Выполните письменный перевод текста.

It is well-known that the quick development of electronics began with the invention of transistors. They replaced electronic tubes due to their numerous advantages. One of the main advantages of the transistors in comparison with the vacuum tube is absence of filament power loss. One of the principal causes of damages in electronic circuitry is high temperature. The heat causes breakdown of tubes and other circuit elements that are very sensitive to this influence. The transistor, on the other hand, does not heat its surroundings. Another advantage of the transistor is its long life. The life of the average transistor is more than ten thousand operating hours. Because of its long lifetime and ruggedness, the transistor is very reliable and has much better efficiency in professional equipment.

2. Выберите правильный вариант ответа

1. Information is given into the computer in the form of _____.
a) ideas; b) characters; c) rules
2. The basic function of a computer is _____ information.
a) to switch; b) to keep; c) to process
3. The data needed for solving problems are kept in the _____.
a) memory; b) input device; c) output device
4. Inputting information into the computer is realized by means of _____.
a) printer; b) letters; c) diskettes
5. A computer can carry out arithmetic-logical operations _____.
a) quickly; b) instantaneously; c) during some minutes

3. Подберите к терминам, данным в левой колонке, определения, представленные справа.

- | | |
|------------------|---|
| 1. Computer | a) a machine by which information is received from the computer; |
| 2. Data | b) a device capable of storing and manipulating numbers, letters and characters; |
| 3. Input device | c) an electronic machine that processes data under the control of a stored program; |
| 4. Memory | d) a disk drive reading the information into the computer; |
| 5. Output device | e) information given in the form of characters. |

4. Раскройте скобки и выберите глагол в требуемом залоге: действительном или страдательном.

1. Electronic devices (help; are helped) people discover new phenomena of nature.
2. The transistor (replaced; was replaced) by vacuum tubes thanks to its numerous advantages.
3. Due to transistors all circuit functions (carried out; were carried out) inside semiconductors.
4. Electronic devices (use; are used) in scientific research.

Вариант 2

1. Выполните письменный перевод текста.

As we know, transistors replaced electronic tubes due to their numerous advantages. One of the advantages of the transistor is its small dimensions. Because of their small size, the absence of heating and other properties, transistors make it possible to produce compact, small-dimensioned electronic devices which consume very little power. In conclusion it is important to note that transistors revolutionized many fields of technology. They are successfully used for direct transformation of heat energy by means of thermal elements. They are also used to convert radiant energy into electricity with the help of photocells or solar batteries. Light sources and lasers are built on the basis of transistors. They find wide application in computers, automatic device, aviation, communication, etc.

2. Выберите правильный вариант ответа

1. Computers have become _____ in homes, offices, research institutes.
a) commonwealth; b) commonplace; c) common room
2. Space _____ uses computers widely.
a) information; b) production; c) exploration
3. Computers are used for image _____.
a) processing; b) operating; c) producing
4. Computers help in _____ of economy.
a) environment; b) management; c) government
5. Air traffic control depends on computer-_____ information.
a) generated; b) instructed; c) combined.

3. Подберите к терминам, данным в левой колонке, определения, представленные справа.

- | | |
|------------------|---|
| 1. Computer | a) a machine by which information is received from the computer; |
| 2. Data | b) a device capable of storing and manipulating numbers, letters and characters; |
| 3. Input device | c) an electronic machine that processes data under the control of a stored program; |
| 4. Memory | d) a disk drive reading the information into the computer; |
| 5. Output device | e) information given in the form of characters. |

4. Раскройте скобки и выберите глагол в требуемом залоге: действительном или страдательном

1. Before the invention of the transistor its function (performed; was performed) by vacuum tubes.
2. The reliability of electronic systems (connect; is connected) with the number of discrete components.
3. Semiconductor integrated circuits (helped; were helped) to increase reliability of devices.
4. New types of integrated circuits (have developed; have been developed) lately.