**Учебная дисциплина:** Английский язык 1 курс

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**ВАРИАНТ I**

**ПРАКТИЧЕСКАЯ РАБОТА**

**Part I (часть I)**

**1. Read the text and do the following exercise (Прочтите текст и выполните следующие упражнения):**

WELDING

1. Welding is a process of joining together metallic parts by heating the place of contact to the fusion state. Welding processes are classified according to the source of energy employed for heating, the metals and the state of the metal at the place of welding.

2. There are different types of welding such as hammer welding, termit welding, electric arc welding, gas welding, etc.

3. Hammer welding is a process in which two heated metal parts are joined and fused together by force from a power hammer.

4. Termite welding is a process consisting of a chemical reaction. It is used in repairing large sections such as rails, frames, etc.

5. Resistance welding process forms a whole group consisting of many types of welding such as spot welding, butt welding and others.

6. In arc welding the work pieces are not melted by flame. They are melted by an electric arc. In order to create the arc, a powerful electric current must be provided. The current must be at least 60 A, otherwise the arc will not create enough heat.

7. In gas welding, it is necessary to use a mixture of two gases. To create a hot flame, a combustible gas must be mixed with oxygen.

Gas welding is normally used to join steel to steel.

**2. Translate into Russian in writing paragraphs 1, 4, 6, 7. (Переведите на русский язык в письменной форме абзацы 1, 4, 6, 7.)**

**3. Find the right column of Russian equivalents of English words and phrases. (Найдите в правой колонке русские эквиваленты английских слов и словосочетаний):**

|  |  |  |
| --- | --- | --- |
|  | 1. spot welding | a. дуговая сварка |
|  | 2. hammer welding | b. горючий газ |
|  | 3. workpiece | c. соединять |
|  | 4. arc welding | d. пламя |
|  | 5. butt welding | e. газовая сварка |
|  | 6. to create | f. плавиться |
|  | 7. combustible gas | g. электрическая контактная сварка |
|  | 8. thermit welding | h. создавать |
|  | 9. to join | i. сварка плавлением |
|  | 10. gas welding | j. кузнечная сварка |
|  | 11. fusion welding | к. точечная сварка |
|  | 12. fusion state | l. стыковая сварка |
|  | 13. flame | m. термитная сварка |
|  | 14. electric resistance welding | n. расплавленное состояние |
|  | 15. to melt | о. деталь |

**4. Find appropriate answers to the questions and write them in the order in which the questions are asked. (Найдите соответствующие ответы на вопросы и напишите их в той последовательности, в которой заданы вопросы):**

|  |  |  |
| --- | --- | --- |
| **Your answer** | **Questions** | **Answers** |
|  | 1. What kind of process is welding? | a. It is a process when two workpieces are melted by an electric arc. |
|  | 2. How are welding processes classified? | b. According to the source of energy, the metals and the state of the metal at the place of welding. |
|  | 3. What is hammer welding? | c. It is a process in which two heated metal parts are joined and fused together by force from a power hammer. |
|  | 4. What is arc welding? | d. It is a process consisting of a chemical reaction. |
|  | 5. What is thermit welding? | e. It is a process of joining together metallic parts by heating the place of contact to the fusion state. |

**5. Complete the sentences by selecting the appropriate option end. (Закончите предложения, выбрав соответствующий вариант окончания):**

|  |  |  |
| --- | --- | --- |
| **Your answer** | **Beginning of the sentence** | **End of the sentence** |
|  | 1. Hammer welding is a process .... | a) consisting of a chemical reaction. |
|  | 2. Thermit welding is a process.... | b) when two metal parts are melted by an electric arc. |
|  | 3. Arc welding is a process .... | c) when two metal parts are joined by force from a power hammer. |