STEAM.KZ

# Laboratory Work №7

## "Measurement of work and power of the electric current"

**Student's full name**

**_____**

**Class _____**

**School _____**

**Teacher's full name**

**_____**

**Date _____**

**Purpose** *(briefly write the purpose of the practical work):*

**Hypothesis** *(write an assumption for practical work):*

**Introduction** *(write down the necessary theoretical data on practical work):*

**MATERIALS** *(write down which materials, installations you used during the practical work):*

**THE PROCEDURE FOR PERFORMING PRACTICAL WORK**
*(for each experiment separately):*

**Data** *(write the results in the table below)*

| U, V | I, A | P, W | $U_n$, V | $I_n$, A | $P_n$, W |
|---|---|---|---|---|---|
| | | | | | |

| Time | Work A, J | Work A, kW h | Tariff T, tenge | Cost Cm., tenge |
|---|---|---|---|---|
| 1 hour | | | | |
| 1 day | | | | |
| 1 month | | | | |

**Discussion of the results** *(discuss the results that you obtained in the experiment and answer the questions)*

1) *How is the work associated with the current power in the circuit? How can it be measured?*
2) *What is current power? How is it related to the main characteristics of the circuit: current strength and voltage?*

**Conclusion** *(draw conclusions about the work done):*