

## APPENDIX A

### Questionnaire (in English)

#### Knowledge of electricity energy saving of Thammasat University students

This questionnaire is aimed to survey the knowledge of electricity energy saving of Thammasat University students. This survey is a part of a research as a partial fulfillment of the requirements for Master of Arts in English for Careers, Language Institute, Thammasat University.

It consists of 3 parts. Please answer questions from your understanding. The researcher would like to thank you for your cooperation.

**Direction:** With the following questions, mark ✓ in the provided box □ to answer the questions.

#### Part 1

#### Personal information

1. Gender  Male  Female
  
2. Age \_\_\_\_\_ years
  
3. Education level  Bachelor's degree  Graduate Diploma  
 Master's degree  Doctor's degree

**Part 2**

**Knowledge of electricity energy saving**

<b>Questions</b>	<b>Right</b>	<b>Wrong</b>
<b><u>The situation of electricity in Thailand</u></b>		
1. Thailand could generate enough electricity for domestic use and for sales to neighboring countries.		
2. Thailand has enough water reserve in dams to generate electricity for domestic use.		
3. Thailand has to build nuclear power plants to generate electricity.		
4. Lignite is a primary source for generating electricity and heavy fuel oil (HFO) is a secondary source.		
5. Thailand has to import some crude oil from foreign countries to generate electricity.		
6. Economic growth is an important factor in insufficient electricity.		
<b><u>Demand Side Management program (DSM)</u></b>		
7. EGAT is the organizer of the Demand Side Management program.		
8. The objective of the Demand Side Management program is to encourage the efficient use of electricity in Thailand.		
9. Thin tube is the first equipment promoted in DSM program.		
10. With DSM campaign, thin tube could replace low quality tube in the market.		
11. The No. 5 label products campaign is part of the DSM program.		
12. The No. 5 label brown rice is a campaign that promotes three times rubbing paddy husk off for clean rice.		
13. Green Learning Room program is aimed to build awareness of electricity energy conservation among school children from kindergarten to high school level.		
<b><u>Unit of electricity and electrical equipment</u></b>		
14. One unit equals one kilowatt per hour		
15. Kilowatt per hour or unit is the electrical energy used by electrical equipment. Calculated by the number of Kilowatts multiplied by a period of time.		
16. Watt is the electricity unit. In the same period of time equipment that has more Watts will consume more electricity than the equipment that has less Watts.		

Questions	Right	Wrong
17. The money that we have to pay is calculated by the number of units multiplied by electrical rate per unit.		
18. The electrical equipment that has cheap price may consume more electricity and has a short life.		
19. A fluorescent tube gives more light than a fat tube.		
20. The highest electrical consuming equipment in our house is an air conditioner.		
21. The thick wall refrigerator could protect from outside heat so food becomes cold easily and consumes less electricity.		
22. A water heater consumes around 900 – 4800 Watts depending on size.		
23. An iron has a temperature mode controlled by users and when it reaches set temperature, it automatically switches itself off.		
24. A microwave tumble dryer is expensive but it saves electricity.		
<b><u>How to choose electrical equipment</u></b>		
25. We should buy electrical equipment that has low maintenance cost and is easy to fix and find spare parts for.		
26. We should buy a big size television because it consumes electricity equal to a standard size television.		
27. We should buy a one-door refrigerator because it consumes less electricity than a two-door refrigerator.		
28. We should buy a thick wall refrigerator in order to prevent the outside heat from entering.		
29. We should buy a floor air-conditioner because it fits the big room.		
30. We should buy an air-conditioner that fits our room size.		
<b><u>How to use electrical equipment</u></b>		
31. Plugging a television set in when it is not used causes the loss of electricity.		
32. It is not necessary to unplug a television any time we go out because this causes the plug to have a short life.		
33. Too much stuff in a refrigerator is the reason for electricity waste.		
34. Do not open a refrigerator too often or put hot food in it because the heat will go into the refrigerator so it has to restart cooling itself.		
35. Air-conditioner in the bedroom should be set at 23 degrees to save electricity.		
36. Growing trees could reduce the work load of air-conditioners.		
37. Opening the window while the air-conditioner works leads to more consumption of electricity.		
38. Switching on the light tube or electrical equipment only when necessary could reduce electricity consumption of air-conditioners.		

Questions	Right	Wrong
<b><u>How to maintain electrical equipment</u></b>		
39. Always checking electricity leaks in electrical equipment could reduce the electricity energy consumption.		
40. Checking of refrigerator could reduce electricity consumption.		
41. We should clean the filter at the back of refrigerator once per five years.		
42. Cleaning the filter in front of the air-conditioner does not help in electricity energy saving.		
43. Clean the filter of the air condition every month or more if necessary.		
44. We should clean air-conditioners at least once a year.		

**Part 3**

**The suggestions for the development of electricity energy saving.**

**The situation of electricity in Thailand**

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**Demand Side Management program**

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**How to choose electrical equipment**

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**How to use electrical equipment**

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**How to maintain electrical equipment**

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Thank you very much for your kind cooperation.

Miss Sarochinee Tanittiraporn, Researcher  
 Master of Arts in English for Careers  
 Language Institute, Thammasat University