**Homework 01**

**1.How would you test a digital microwave oven?**

• First I would read the instruction manual for using the microwave oven, and then test it based on all the functions and parts that are shown in the manual;

I would check whether the color of the device matches the one on the specification on the box (which is very important for visual matching with other parts of the user's kitchen);

I would compare the appearance of the microwave with the picture of it (if there are any differences, I would pay attention to whether it affects its functionality, if yes - I would write to the manufacturer to see what is going on and in case there is no other way to adequately perform a given function, is there a possibility of replacing the device if I did not get what I wanted and expected);

I would plug it into a socket;

I would open and close the door;

I would check if its inner plate rotates;

I would try all the programs it offers for defrosting, reheating, cooking in all lengths of program duration;

I would use dishes that are intended by the instruction manual;

I would check the temperature of the food and try if everything is evenly defrosted, heated or cooked enough;

During food preparation, I would try to stop and reset it;

I would try to delay time;

If not stated in the manual, I would write to the manufacturer about "child lock" options - whether it was anticipated and whether maybe that security side could be improved;

**2. What questions would you ask to better understand its function?**

• If we assume that, for example, I don't know anything about using a microwave oven, I would ask:

What is it used for?

What kind of energy does it use?

How does it heat, defrost, and cook in it?

How much time is needed for each of these actions?

What kind of dishes do I need to use to prepare food?

Do I need to add some liquid to the food?

Is there a fear of burning?

Why does the inner plate of the microwave rotate?

Why is it called a microwave?

How do you open and close the door?

What are the buttons for?

What do the symbols on the display mean?

What will happen if we use glass, aluminum, ceramic, plastic (generally different materials of dishes) in the microwave?

What happens to the composition of the food that is processed in the microwave?

Are there any health risks from using a microwave to prepare food?

