UNIT 2 – READING - TUTOR'S HANDOUT – ĐIỆN TỬ 4

Exercise 1: Read a text about an electronics engineer and choose the correct option to complete the sentences:

I'm an electronics engineer. For the past eleven years, I've worked for an electronics company in Research and Development. The focus of my work is medical imaging electronics. That means I help design devices that doctors can use to see inside people's bodies.

When I was a child, my father worked in a factory assembling cars. He was very good with his hands and he was very good at solving mechanical problems. He encouraged my interest in engineering. So you could say I've always been interested in engineering.

I did a degree in electronic engineering at university. Then I did a Master's and a PhD. In my first job after my PhD, I worked with a team that created integrated circuits used in medical imaging machines. And I've worked with medical imaging technology since then. Doctors have used X-rays for medical purposes for more than a hundred years. But developments in electronics led to the invention of CT scanner. CT stands for Computed Tomography. This basically means that the machine uses a computer to change medical X-ray images into digital information – information a computer can work with. The computer can create very detailed images of the insides of people bodies, for example the brain. It's an extremely important tool for doctors.

The technology is always improving. It's also incredibly expensive. So we use the very latest technology, and think ahead to the future. The equipment need to be useful to doctors for the next ten or fifteen years. It's difficult, though, because change and development in the field of electronics happens very quickly.

1.Oliver _____ medical imaging electronics.

A. works in a hospital operating

B. works in a company developing

C. understands doctor

2. Oliver's father _____.

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A. encouraged Oliver to be an engineer.

B. was a doctor

C. as an automotive design engineer

3. Oliver has worked in medical imaging _____.

A. since he was in high school

B. for about three years

C. since university

4. Computed tomography (CT) _____.

A. is a type of high-powered X-ray

B. converts X-rays to computer images

C. repairs problems with the brain

5. One challenge of Oliver's job is that _____.

A. technology changes very rapidly

B. most hospitals don't have CT scanners

C. CT scanning is dangerous.

Exercise 2: Read an occupational manual. Then, mark the following statements as True (T) or False (F):

Electrician Occupational Outlook

The job of an electrician involves putting in and maintaining electrical power systems. This is done in homes and businesses. The work of an electrician is occasionally demanding. Electricians must lift heavy objects and climb ladders. The work may require them to bend, stand, kneel, or stoop down low for long periods.
To be successful, electricians need to work fast. In order to grab and release tools quickly, they wear a tool belt. To prevent electric shock, electricians usually turn off the power source before working. They turn on the power when they are done. Electricians also use sharp tools to split wires.

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1. Electricians are expected to work quickly.
2. Electricians must wear helmets to work.
3. Electricians work in home and business.
4. Electricians don't need to turn off the power source before working.
5. Electricians always turn the power when they are done.

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