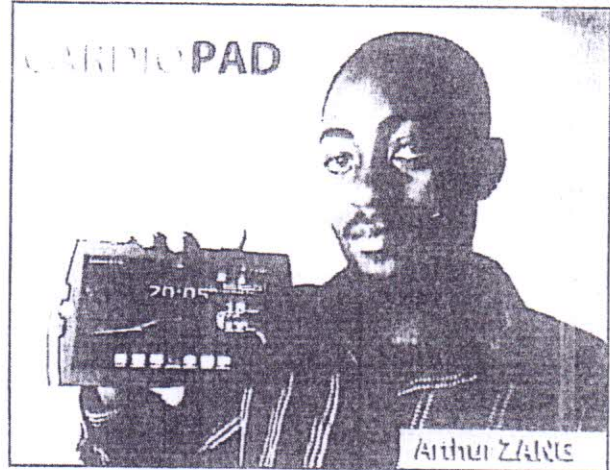


English test Second Exam

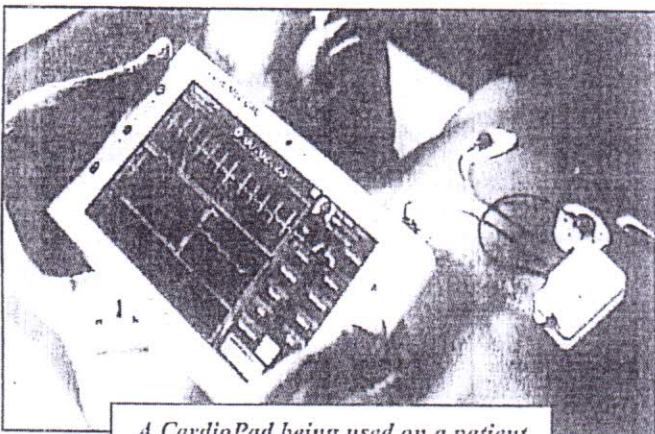
[1] Arthur Zang, a 24-year-old Cameroonian computer engineer, invented the CardioPad. The idea for this invention came to his mind while he was watching a television programme about electrocardiographs during a visit to a hospital in 2007.

[2] The CardioPad is a tablet computer. It diagnoses patients with heart diseases in remote areas where access to medical services is very restricted. When a medical examination is performed on a patient in a remote village, the results are transmitted from the nurse's tablet to that of the doctor who then interprets them. The device is believed to be Africa's first medical tablet that can send the results of cardiac tests to a cardiologist via internet connection. The heart specialist makes a diagnosis and sends it back with a prescription to the nurse treating the patient.



[3] "When I decided to design the tablet, I didn't have the knowledge because I'm basically a computer science engineer. I learned a lot from an online free programme on electronics provided by the Indian Institute of Technology. The funding of my project was difficult. I went to the banks, but they wanted all sorts of guarantees. So I posted a video about my project on Facebook to raise funds." This led to a \$20,000 grant from the Cameroonian government, which Zang used to produce 20 tablets, two of which are being tested in hospitals in Cameroon.

[4] The Cameroonian scientific community has recognized the CardioPad as extremely effective. Thanks to this device, many patients living in remote areas do not have to travel to urban centres to seek medical examinations. Zang believes that his invention could save numerous human lives.



[5] Mafo Abeni, a 55-year-old heart patient in a rural area of Cameroon, said "I've had cardiovascular disease for about a year now. It is too costly and difficult for me to see a heart specialist in the city; the CardioPad saves me time and money."

[6] Mr. Zang says he has been contacted by private investors. But he is more interested in investors who share his vision, which is not of money, but of better ways to help improve people's lives.

I. COMPREHENSION :

(15points)

A. CHOOSE THE BEST TITLE FOR THE TEXTE. (2pts)

- 1. A new medicine for heart diseases
- 2. A new way to manage hospitals
- 3. A new medical invention

The best tile is.....

B. ARE THESE STATEMENTS TRUE OR FALSE? 3PTS

1 Arthur Zang got knowledge of electronics online.

.....

2.the banks wanted to finance Zang's project without conditions.

.....

3.Mafo Abeni is positive about the Cardio Pad.

.....

C. ANSWER THESE QUESTIONS. (3pts)

1. How did zang get the idea of the Cardio pad?

.....
.....

2. What does the heart specialist do with the information he/she receives from the nurse?

.....
.....

3. How did Zang collect money for his project?

.....
.....

D. COMPLETE THE FOLLOWING SENTENCES 2pts

1. With the Cardio pad , heart patients in distant areas no longer need to

.....

2. Zang is not interested in making money, but

.....

E. FIND IN THE TEXTE WORDS OR PHRASES THAT MEAN THE SAME AS (3pts)

1.limited (paragraph2)

2.look for (paragraph4)

3.expert (paragraph5)

F. WHAT DO THE UNDERLINED WORDS IN THE TEXT REFER TO (2pts)

1.them (paragraph2).....

2.which (paragraph3).....

Language

(15points)

1-Circle the right word and choose the right meaning for the idioms :

3pts

1. I will stick my **leg / neck** out.
 a- Take a risk b- think about it c- look at it
2. You have to keep your **head / brain**.
 a- Be silent b- work hard c- stay calm
3. I have twisted Carla's **hands / arm**.
 a- Upset her b- told her everything c-persuade her

2-Complete the sentences with parts of the body.

2pts

- 1- The sk.....is the large bone which protects your brain.
- 2- The sp.....runs down your back.
- 3- The rare bones which go round your chest.
- 4- The lare used for breathing.

3-Complete the sentences with the past simple or the present perfect :

3pts

- 1-Paul and Jess.....(**know**) each other since 2004.
- 2-Jerry.....(**ask**) Diana to marry him yet?
- 3- Jason(**catch**) the flu two days ago .

4-Complete the sentences with the present perfect simple or present perfect continuous

3pts

- 1- How many timesyou(read) that book
- 2- As far as I can remember ,I(love) ice-cream all my life.
- 3- Jack , you(play) that computer for six hours. Please stop it.

5- Join the two sentences using the words given.

2pts

- 1- My parents gave me some money. I wanted to buy some toys . (**in order to**)

- 2- My teacher spoke very slowly. He wanted the students to understand him .(**so that**)

6- Complete the sentences with the words below

2pts.

Swollen / dislocated / itchy / blocked up / rash / Stiff / allergic

- 1- Mosquito bites are, but you should not try to scratch them.
- 2- I wasto most kind of seafood when I was young, but now I don't.
- 3- Do you think you have ashoulder? Yes, I did.
- 4- When your nose isyou cannot smell or taste anything.

