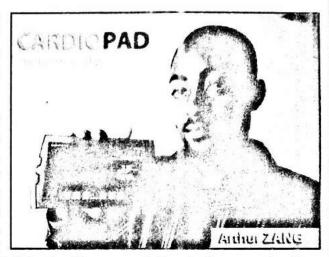
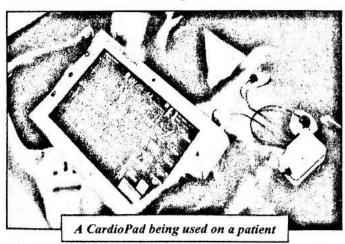


- [1] Arthur Zang, a 24-year-old Cameroonian computer engineer, invented the CardioPad. The idea for this invention came to his mind while he was watching a television programme about electrocardiographs during a visit to a hospital in 2007.
- [2] The CardioPad is a tablet computer. It diagnoses patients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

Adapted from: www.rolexawards.com & voanews.com

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1. V	With the Cardi	ioPad, hea	art patients in dis	tant areas no longer need to				
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	34							

لا يكتب أي شيء في هذا الإطار

الامتحان الوطني الموحد للبكالوريا - الدورة العادية 2016 - الموضوع Φ 5 الصفحة: 3 على مادة: اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية والأصيلة - NS 12 -E. FIND IN THE TEXT WORDS OR PHRASES THAT MEAN THE SAME AS (3 pts) 1. limited (paragraph 2): 2. look for (paragraph 4): 3. expert (paragraph 5): F. WHAT DO THE UNDERLINED WORDS IN THE TEXT REFER TO? (2 pts) 1. them (paragraph 2):..... 2. which (paragraph 3):..... II. LANGUAGE (15 POINTS) A. GIVE THE CORRECT FORM OF THE WORDS IN BRACKETS. (2 pts) 1. Morocco was the first country in the world to recognise the (independent) of the USA. 2. Developing (renew) energy is among the priorities of the Moroccan government. B. FILL IN THE GAPS WITH APPROPRIATE WORDS OR PHRASES FROM THE LIST. (2 pts) 1. Many in the United States have been struck by the hurricane this year. - disasters - areas problems 2. MSF Médecins Sans Frontières. - stands for - calls for makes up C. FILL IN THE GAPS WITH APPROPRIATE WORDS OR PHRASES FROM THE LIST. (2 pts) 1. Moha Oulhoucine, everyone calls "The Maestro", died in February 2016. whose - whom - which 2. Many people today can't imagine without their mobile phones. to live - living - will live

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الصفحة: 4 على 5	ة العادية	الامتحان الوطني الموحد للبكالوريا - الدورة مادة: اللغة الإنجليزية - كل ممالك الشعب العلمي
PUT THE VERBS IN BRA	ACKETS IN THE CORRECT TEN	SE. (2 pts)
		high-speed rail line between Tangier ar
Leila first (meet)	her husband when she wa	as at university in 1996.
REWRITE THE SENTEN	CES BEGINNING WITH THE W	ORDS GIVEN. (3 pts)
Ahmed Sefrioui wrote La Bo	oîte à Merveilles in 1954.	
La Boîte à Merveilles	***************************************	
Despite being an expert, Jim	couldn't recover his files from his ha	ard disk.
	ur goalkeeper was not in good physic	
	SION WITH ITS APPRORIATE F	
Exp	pressions	Functions
		a. expressing regret
1. "Karim will definitely	join us this evening."	a. expressing regret b. expressing apology
 "Karim will definitely "I shouldn't have tried 		
1	join us this evening." to fix the computer myself."	b. expressing apology
2. "I shouldn't have tried	to fix the computer myself."	b. expressing apology c. expressing certainty d. expressing opinion
2. "I shouldn't have tried 1	to fix the computer myself."	b. expressing apology c. expressing certainty d. expressing opinion
2. "I shouldn't have tried 1 WRITE APPROPRIATE R	to fix the computer myself." 2 RESPONSES TO THE FOLLOWI	b. expressing apology c. expressing certainty d. expressing opinion
2. "I shouldn't have tried 1 WRITE APPROPRIATE R 1. Reading books is better	to fix the computer myself." 2 RESPONSES TO THE FOLLOWING than watching movies.	b. expressing apology c. expressing certainty d. expressing opinion NG SITUATIONS. (2 pts)
1 WRITE APPROPRIATE R 1. Reading books is better You (express your opin	to fix the computer myself." 2 RESPONSES TO THE FOLLOWING than watching movies.	b. expressing apology c. expressing certainty d. expressing opinion NG SITUATIONS. (2 pts)
2. "I shouldn't have tried 1 WRITE APPROPRIATE R 1. Reading books is better You (express your opin 2. Your friend can't decid	to fix the computer myself." 2 RESPONSES TO THE FOLLOWING than watching movies. nion):	b. expressing apology c. expressing certainty d. expressing opinion NG SITUATIONS. (2 pts)

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5	على	الصفحة: 5	الامتحان الوطني الموحد للبكالوريا - الدورة العادية 2016 - الموضوع مادة: اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية والأصيلة - NS 12 -
III. WRI	ΓING	(10 POINT	
TASK 1:	(4 pts)	Complete	the following paragraph about your favourite sport.
N	Av favouri	ite sport is	I prefer this sport for the following reasons.
l			
			
TASK 2	: (6 pts)	Res	pond to this email.
	My tw their s	vo sons spend too m studies and social li	nuch time chatting and playing video games. I'm really worried about fe. What should I do? Please, help. Worried father
B / U	F. tI. To I	o v ∞ E E O I	置編書書工州 14 α Plain Text Check Spel
Dec	ir worried	father,	