لا يكتب أي شيء في هذا الإطار

على 5	5	الصفحة:	NS 12	الامتحان الوطني الموحد للبكالوريا -الدورة العادية 2021 - الموضوع مادة:اللغة الإنجليزية - كل مسالك الشعب الطمية والتقنية	
TASK 2: (6 pts) Modern technology has facilitated our lives in many ways. Write a short article for your school magazine about how modern technology has made your life easier.					
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خاص بكتابة الامتحان	الامتحان الوطني الموحد للبكالوريا الدورة العادية 2021				قسلسكة المغرب وزارة الترية الرأة والتكوين المه والتعليم العالر والمعث	
ННИНИНИНИНИНИНИНИНИ	*	_الموضوع_	NS 12	يطني المتقويم والامتحانات	المركز الو	
رقم الامتحان:				الإمم الشخصي والعائلي:		
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مدة 2h المعامل 2		اللغة الإنجليزية كل مسالك الشعب العلمية والتقنية				
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المسيد الاستاد	لملة: النقطة الإجابزية المعامية والتقنية المعامية على 20: بالأرقام والحروف			الشعبة والمسل		
الصفحة: 2 على 5		حح وتوقیعه:	اسم المصد	ورقة الإجابة	NS 12	
BASE ALL YOUR ANSWERS ON THE TEXT. A. CHOOSE THE BEST ANSWER. (1 pt) The text is about a. an invention for the visually-impaired. b. a visually-impaired Japanese woman. c. a famous robotics company in Japan. The best answer is: B. ANSWER THESE QUESTIONS. (3 pts) 1. When did Chieko first have the idea of the smart suitcase? 2. What will be Alps Alpine's contribution to the design of the smart suitcase? 3. When will people be able to buy the smart suitcase? C. FILL IN THE CHART WITH THE RIGHT INFORMATION FROM THE TEXT. (1 pt)						
Name of com		Contribution to design				
1. IBM Japa	ın					
2. Shimizu	·····					
3. <i>Omron</i>						
 D. ARE THESE STATEMENTS TRUE OR FALSE? JUSTIFY. (3 pts) Guide dogs help visually-impaired people to move easily. The smart suitcase will be able to recognise people coming towards its users. Mitsubishi Motors technology will allow the smart suitcase to recognise images. 						
E. COMPLETE THE FOLLOWING SENTENCES WITH INFORMATION FROM THE TEXT. (2 pts) 1. Having access to public services is 2. The						

لا يكتب أي شيء في هذا الإطار

الدورة العادية 2021 - الموضوع العادية 3 الصفحة: 3 على 5 NS 12	الامتحان الوطني الموحد للبكالوريا - مادة:اللغة الإنجليزية - كل مس
F. FIND IN THE TEXT WORDS THAT MEAN ALMOST THE SAM	E AS (3 pts)
1. without any help (paragraph 2):	
2. model (paragraph 3):	
3. risk (paragraph 4):	
G. WHAT DO THE UNDERLINED WORDS IN THE TEXT REFER	ΓΟ? (2 pts)
1. These aids: (paragraph 2):	
2. The device: (paragraph 6):	
II. LANGUAGE (15 POINTS)	
A. FILL IN THE GAPS WITH THE CORRECT WORDS FROM THI	E LISTS. (2 pts)
1. Brenda missed her class she was taking part in	a sports competition.
therefore - because - whereas	
2. The vaccine our laboratory has developed is eff	ective.
whose - whom - which	
B. GIVE THE CORRECT FORM OF THE WORDS IN BRACKETS.	(2 pts)
1. Their business failed because of poor (manage)	and financial problems.
2. Lord of the Rings is one of the most (success)	movies I have ever seen.
C. FILL IN THE BLANKS WITH THE CORRECT WORDS FROM	THE LISTS. (2 pts)
1. All the guests appreciated Tom's sense of ex	ccept for Caren.
joke - humour - amusement	C 1 C
2. Scientists will conducting research till the keep on - log on - try on	y find a cure for cancer.
D. REWRITE THE SENTENCES AS INDICATED. (3 pts)	
1. The jury has interviewed all the candidates online.	
All the candidates	
2. "If I were you, I would buy a laptop instead of a tablet," Danny said.	

3. Although Saida is from a poor background, she managed to pursue her higher education.

لا يكتب أي شيء في هذا الإطار

5	على	4	الصفحة:	NS 12	ادية 2021 - الموضوع العلمية والتقنية	الامتحان الوطني الموحد للبكالوريا -الدورة العا مادة:اللغة الإنجليزية - كل مسالك الشعب		
E. PUT	THE	VE	CRBS IN	BRACKETS	S IN THE CORRECT TE	NSE. (2 pts)		
1. B	y the	end	of this yea	ır, Mrs. Simp	oson (serve)	in the local council for 20 years.		
2. W	/hile /	Anna	a (work)		on her language p	project, her brother was playing games.		
F. MATCH EACH EXPRESSION TO ITS APPROPRIATE FUNCTION. (2 pts)								
				Expr	essions	Functions		
	1. 2. 3. 4.	2. "I don't share the same view with you."				 a. asking for opinion b. making a request c. disagreeing d. making a suggestion e. complaining 		
1								
III. W	RITIN	IG	(10	POINTS)	DO TASKS 1 AND 2			
TA	SK 1:	(4 ₁	pts)	Complete t	he following paragraph.			
	Man	y toı	ırists like	to visit More	occo for different reasons. Fi	irst,		

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الامتحان الوطني الموحد للبكالوريا الدورة العادية 2021 - الموضوع -

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NS 12

الوطني للتقويم والامتحانات

 المادة
 اللغة الإنجليزية
 مدة الإنجاز
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 الشعبة أو المسلك
 كل مسالك الشعب العلمية والتقنية
 كل مسالك الشعب العلمية والتقنية

- [1] The company *IBM Japan* and four other partners are developing a smart suitcase that uses Artificial Intelligence (AI) to help people with visual disabilities to travel alone with greater freedom and security.
- [2] Visually-impaired people usually face problems using public transport and accessing other services. Luckily, there are canes and guide dogs to lead them around obstacles. <u>These aids</u> will soon be complemented with smart suitcases which would help them to travel independently.
- [3] Chieko Asakawa, an *IBM Japan* fellow who has vision problems, walks with the assistance of the first prototype of a robotic suitcase equipped with AI. The smart suitcase, which has been inspired by a proposal from Chieko, is equipped with a sensor, a camera, and a battery to detect obstacles and alert its users through tactile sensation. According to its designers, it will also notify users if friends approach or if there are cafe



designers, it will also notify users if friends approach or if there are cafés and other facilities nearby through an audio system.



- [4] In an interview with a Japanese newspaper, Chieko said that she got the idea when she was pushing a suitcase in front of her during a business trip. She thought that visually-impaired people could walk safely if a suitcase would scan the surroundings for danger.
- [5] Different companies are contributing to the development of the suitcase. *IBM Japan* will be responsible for Artificial Intelligence integrated into the suitcase. For its part, *Alps Alpine* will be responsible for tactile technology, *Omron* for image recognition and detection techniques, *Shimizu* for the navigation system, and *Mitsubishi Motors* for automotive technologies.
- [6] The smart suitcase will be used at airports, shopping centres, and in other indoor areas. It will later be improved so that users can use it in outdoor areas. **The device** is expected to be on the market in 2022.

Adapted from: www.inceptivemind.com



TelmidTice.cor



