## لا يكتب أي شيء في هذا الإطار

					الامتحان اله طني المه حد للبكاله، يا -الدورة العادية 2021 - الموضوع
5	على	5	الصفحة:	NS 194	الامتحان الوطني الموحد للبكالوريا -الدورة العادية 2021 - الموضوع مادة:اللغة الإنجليزية - شعبة الهندسة الميكانيكية بمسالكها وشعبة الهندسة الكهربانية بمسالكها وشعبة هندسة البناء والأشغال العمومية بمسالكها وشعبة الفلاحة بمسلكها
Wri	lern te	ort	ology has article fo	facilitated o	ur lives in many ways.  ool magazine about how modern technology has made
you	i ille e	asie	Γ.		
* * * * * * *	*****	• • • •		• • • • • • • • •	·····§·······§§·······················
• • • • • •	• • • • •		*****		······································
• • • • • •		Ş.,	• 9 9 • • • •	• • • • • • • • •	
£ • • • • •	• • • • •				***···*
		9			
	*(* *)			• • • • • • • • • • • • • • • • • • • •	······································
					S
				er over 1000 to 0000	
207	(50.00)	5000000			
553	• • • • •		• • • • • • •		
• • • • • •	• • • • •			• • • • • • • • •	······································
• 34 • 634 • 634	• • • • •		• • • • • • •		
• • • • • •	• • • • •			• • • • • • • • • •	•••••••••••••••••••••••••••••••••••••••
	• • • • •				
	e				9.73
an. 577	T)				
888	5) • • • • •		• • • • • •	• • • • • • • • • •	a ea e
• • • • • •	• • • • •		00		
(e)(• • • • • •	e	• • •	• • • • • • •	• • • • • • • • • •	
• • • • • •	• • • • •	•••			
• • • • • •	• • • • •		• • • • • • •		
	• • • • •			(3)() · · · · · · · · ·	***************************************

	اوريا	نعان الوطني الموحد للوكاا المسالك المهنية	I I I	A 20CHH AXXIII المناوع المنافعة المناف	السلسكة وزارة الترو والسكان
		الدورة العادية 2021		يعمت العلمس الم 1000 م 1000 م 1000 م 1000 م انتر الوطني للتقويم والامتحانات	ليم المالس
НННННННННННННННН	*	الموضوع_	NS 194	ر الوطني تنفوم والاستحاد	المود
رقم الامتحان:				الإسم الشخصي والعائلي:	
مدة 2h المعامل 2	ة البناء والأشغار	لإنجليزيه مة الكهربانية بمسالكها وشعبة هندسة وشعبة الفلاحة بمسلكها	نبعبة الهندس	شعبة الهندسة الميكانيكية بمسالكها والملك	المادة عبة والمس
					><
خاص بكتابة الامتحان		هائية على 20: بالأرقام والحرا صحح التأكد من أن النقطة النهائي		املة: العدالية الميكانيكية بمسالكها مسلك: شعبة الهندسة الكهريائية بمسالكها وشعبة هندسة لأشغال العمومية بمسالكها وشعبة الفلاحة بمساكها	ثبعبة ال
الصفحة: 2 على 5		سحح وتوقيعه:	اسم المص	ورقة الإجابة	NS 19
3. When will people be ab	ine's contribution	oution to the design of the s			****
Name of com	pany	Contribution to design	the sma	rt suitcase	
1. IBM Japa	ın	Artifi	cial In	telligence	
2. Shimizu 3. Omron					
	ÆNTS TR				

#### لا يكتب أي شيء في هذا الإطار

الصفحة: 3 على 5	الامتحان الوطني الموحد للبكالوريا -الدورة العادية 2021 - الموضوع مادة: اللغة الإنجليزية - شعبة الهندسة الميكانيكية بمسالكها وشعبة الهندسة الكهربانية بمسالكها وشعبة هندسة البناء والأشغال العمومية بمسالكها وشعبة الفلاحة بمسلكها
F. FIND IN THE TEXT WO	ORDS THAT MEAN ALMOST THE SAME AS (3 pts)
	paragraph 2):
_	paragraph 3):
•	paragraph 4):
	RLINED WORDS IN THE TEXT REFER TO? (2 pts)
* * *	2):
2. <b>The device</b> : (paragraph 6	5):
II. LANGUAGE	(15 POINTS)
A. FILL IN THE GAPS WI	TH THE CORRECT WORDS FROM THE LISTS. (2 pts)
therefore 2. The vaccine	she was taking part in a sports competition.  because - whereas  our laboratory has developed is effective.  whom - which
B. GIVE THE CORRECT I	FORM OF THE WORDS IN BRACKETS. (2 pts)
1. Their business failed be	ecause of poor (manage) and financial problems.
2. Lord of the Rings is one	e of the most (success) movies I have ever seen.
C. FILL IN THE BLANKS	WITH THE CORRECT WORDS FROM THE LISTS. (2 pts)
joke 2. Scientists will  keep on	ted Tom's sense of
	ENCES AS INDICATED. (3 pts)
•	ed all the candidates online.
• •	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 194	العادية 2021 - الموضوع ها وشعبة الهندسة الكهربانية بمسالكها كها وشعبة الفلاحة بمسلكها	متحان الوطني الموحد للبكالوريا -الدورة لإنجليزية - شعبة الهندسة الميكانيكية بمسالك شعبة هندسة البناء والأشغال العمومية بمسال
<b>PU</b>	т тні	E VE	RBS IN I	BRACKET	S IN THE CORRECT TENS	E. (2 pts)
						in the local council for 20
			_		• ' '	ject, her brother was playing gar
. IVIA	AICH	EAC	H EXPR		O ITS APPROPRIATE FUN	
				Exp	ressions	Functions
	1.	"W	/hy don't	you try anot	ther job?"	a. asking for opinion
	2.				view with you."	b. making a request c. disagreeing d. making a suggestion
	3.				details about the topic?"	
	4.	"И	/hat do yo	u think of o	online learning?"	e. complaining
1. M	anager	: I'm	afraid the	report you	S EXCHANGES. (2 pts) sent me is full of mistakes.	
1. M Pa 2. Sa	anager it: indy: N	: I'm ····	afraid the	e report you	· - /	o?
1. M Pa 2. Sa Ca	anager at: andy: Masey:	: I'm My c	omputer control (10 I	an't read PI	sent me is full of mistakes.  OF documents. What should I d	o?
1. M Pa 2. Sa Ca	anager at: andy: Masey: RITINASK 1:	· I'm ·	omputer computer comp	an't read PI  COINTS)  Complete (	DF documents. What should I d  DO TASKS 1 AND 2 the following paragraph.	o?
1. M Pa 2. Sa Ca	anager at: andy: Masey: RITINASK 1:	Yy cou	omputer control (10 Interest)	e report you an't read PI COINTS) Complete to	DF documents. What should I d  DO TASKS 1 AND 2 the following paragraph.  Torocco for different reasons. Fi	o?
1. M Pa 2. Sa Ca	anager at: andy: Masey: ASK 1: Man	Yy cou	omputer control (10 Interest)	an't read Pl  COINTS)  Complete to visit M	DF documents. What should I d  DO TASKS 1 AND 2 the following paragraph.  Torocco for different reasons. Fi	o? rst,
1. M Pa 2. Sa Ca	anager at: andy: Masey: ASK 1: Man	: I'm My c NG 4 (4 p	omputer control (10 Interest)	an't read Pl  COINTS)  Complete to r to visit M	DF documents. What should I d  DO TASKS 1 AND 2 the following paragraph.  Torocco for different reasons. Fi	o?
1. M Pa 2. Sa Ca	anager at: andy: Masey: ASK 1: Man	: I'm My c NG : (4 I	omputer control (10 Hots)	an't read Pl  COINTS)  Complete to to visit M	DF documents. What should I d  DO TASKS 1 AND 2 the following paragraph.  Torocco for different reasons. Fi	o?
1. M Pa 2. Sa Ca	anager at: andy: Masey: ASK 1: Man	: I'm My c NG : (4 I	omputer control (10 Hots)	an't read PI  COINTS)  Complete to visit M	DF documents. What should I d  DO TASKS 1 AND 2 the following paragraph.  Torocco for different reasons. Fi	o?

# الاعتدان الوطني الموحد البكالوريا المسالك المعنية الدورة العادية 2021 - الموضوع – HHHHHHHHHHHHHHHHH

ملحة المغربية ( 1.70/16 الم 1

- [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. These aids 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 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

24.1136-111
وزارة التربية الراجية
السلكة المغرية وزارة الترية الوضية والتكوين المعمر والتعليم العالم والبحث ال المركز الوص
والتعليم العالمي والبحث الا
المركز الموط
3 3 3
المادة
740-07
الشعبة أو المسلك
<b>国和欧洲</b> • 公包
7
A SEE SEE SEE
11/2018年
2 10
Towns.
7.16
340,000
facilities
iacintics
11/04/04:04
wspaper,
suitcase
visually-
scan the
elopment
Artificial
s Alpine
r image
vigation
es.
hopping
d so that
to be on
ind.com

#### الامتدان الوطني الموحد للبكالوريا HADIAEH I ICHOEO المسالك المسنية HEALDH I SOXE ( ALSO ]\* الدورة العادية 2021 - عناصر الاجابة -A SOCIHII AXXILI A SOUTH A SOUTH LOOK المركز الوطني للتقويم والامتحانات **НИНИНИНИНИНИНИНИНИ** NR 194 2h اللغة الانجليزية مدة الإنجاز المادة شعبة الهندسة الميكانيكية بمسالكها وشعبة الهندسة الكهربائية بمسالكها وشعبة 2 المعامل الشعبة أو المسلك هندسة البناء والأشغال العمومية بمسالكها وشعبة الفلاحة بمسلكها KEY AND MARKING SCALE PLEASE ACCEPT ANY APPROPRIATE ANSWER NOT MENTIONED IN THIS KEY. I. COMPREHENSION (15 POINTS) Testees should not be penalised for spelling or grammar mistakes in the comprehension section. A. THE BEST ANSWER: (1 pt) a. an invention for the visually-impaired. B. WH QUESTIONS: (3 pts; 1 pt each) . . . when she was pushing a suitcase in front of her during a business trip. 1. 2. ... will be responsible for tactile technology. 3. ...in 2022 C. CHART FILLING: (1 pt; 0,5 each) Name of company Contribution to design the smart suitcase 1. IBM Japan Artificial Intelligence 2. Shimizu the navigation system 3. Omron image recognition and detection techniques D. TRUE / FALSE STATEMENTS: (3 pts) (1 pt each: 0.5 pt for the right choice and 0.5 pt for the right justification. Consider the justification only if the choice is correct. Quotes from the texts are acceptable.) 1. T....guide dogs to lead them around obstacles. 2. T. . . . . it will also notify users if friends approach. 3. F. . . . . . will be responsible for automotive technologies. E. SENTENCE COMPLETION: (2 pts; 1 pt each) 1..... a problem/challenge for visually-impaired people/ problematic... 2. . . . . audio system . . . . . F. WORD MEANING: (3 pts; 1 pt each) 1. independently 2. prototype 3. danger G. WORD REFERNCE: (2 pts; 1 pt each) 1. (guide) dogs and canes 2. the smart suitcase II. LANGUAGE: (15 POINTS) A. GAP FILLING: (2 pts; 1 pt each) 1. because 2. which B. WORD FORMATION: (2 pts; 1 pt each) 1. management 2. successful C. BLANK FILLING: (2 pts; 1 pt each) 1. humour 2. keep on D. SENTENCE REWRITING: (3 pts; 1 pt each) 1. All the candidates have been interviewed online (by the jury). 2. Danny advised his friend to buy/that he should buy a laptop instead of . . ./not to buy a tablet. 3. In spite of her poor background/ her poverty /being poor/ the fact that she was from a poor background, Saida managed. . . E. TENSES: (2 pts; 1 pt each) 1. will have served 2. was working F. FUNCTIONS: (2 pts; 1 pt each) 3. b 4. a G. EXCHANGE COMPLETION: (2 pts; 1 pt each) Accept any appropriate answer. III. WRITING (10 POINTS) The following criteria should be respected while scoring the writing tasks.

Scoring criteria	Task 1	Task 2
Relevance of content to the task	2 pts	3 pts
Appropriateness and variety of vocabulary	1 pt	2 pts
Grammar and mechanics	1 pt	1 pt