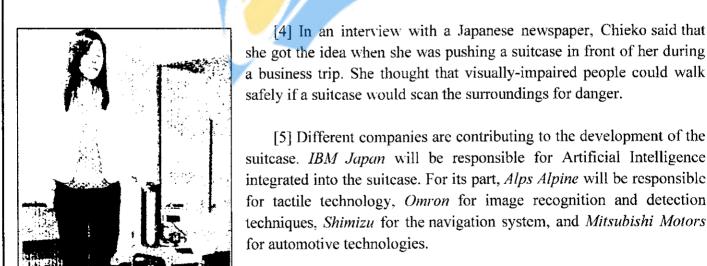
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- [1] The company *IBM Japan* and four other partners are developing a smart suitcase that uses Artificial Intelligence (AI) to help people with visual disabilities to travel alone with greater freedom and security.
- [2] Visually-impaired people usually 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.





[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

<b>مان</b>	الامت	كتابة	خاص ب	الامتحان الوطني الموحد للبكالوريا الدورة العادية 2021					A 1000A LD	la sort.	C1021 C10			السلحكة المد وزارة الترية ال والمكوس ا والملم الدالروات	
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5	على	2	الصفحة:					حح وتوقيد	اسم المص	جابة	الإ	قة	ور		NS 12
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5	على	3	الصفحة:	NS 12	الامتحان الوطني الموحد للبكالوريا -الدورة العادية 2021 - الموضوع مادة:اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية	G
F. FIN	D IN	ГНЕ	TEXT	WORDS TI	HAT MEAN ALMOST THE SAME AS (3 pts)	
1. v	vithout	any	help	(paragraph	2):	
	nodel	·	•		3):	
3. r	isk			(paragraph	4):	
G. WH	IAT D	O T	HE UND	ERLINED	WORDS IN THE TEXT REFER TO? (2 pts)	
1. <b>T</b> ł	iese aid	ds: (	paragrap	h 2):		
2. TI	1e devi	ce: (	paragrap	h 6):	<u>,</u>	
					5/1. The second	
II. LA	NGUA	.GE		(15 PO	INTS)	
A. FIL	L IN T	ГНЕ	GAPS V	VITH THE	CORRECT WORDS FROM THE LISTS. (2 pts)	
1. B	renda n	nisse	ed her cla	SS .	she was taking part in a sports competition.	
					because - whereas	
2. Tł	ne vacc	ine .			our laboratory has developed is effective.	
			whos	se -	whom - which	
B. GIV	VE TH	E C	ORREC	T FORM O	F THE WORDS IN BRACKETS. (2 pts)	
1. 7	Their bu	usine	ess failed	because of	poor (manage) and financial problems.	
2. 1	Lord of	the	Rings is o	one of the m	ost (success) movies I have ever seen.	
C. FIL	L IN 7	THE	BLANK	S WITH T	THE CORRECT WORDS FROM THE LISTS. (2 pts)	
1. A	All the	gues	ts apprec		sense of except for Caren.  humour - amusement	
2.	Scienti		vill		conducting research till they find a cure for cancer.  on - try on	
D. RE	WRIT		-	_	S INDICATED. (3 pts)	
					candidates online.	
						• • •
2. '	'If I we	re v	ou, I wou	ıld buv a lap	stop instead of a tablet," Danny said.	
		_			* * * * * * * * * * * * * * * * * * * *	
3. /	Althous	gh Sa	aida is fro	om a poor ba	ackground, she managed to pursue her higher education.	
1	iii spite	<b>υι</b> .				• • •

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5	على	4	الصفحة:	NS 12	i العادية 2021 - الموضوع لمعب العلمية والتقنية	الامتحان الوطني الموحد للبكالوريا -الدورة مادة:اللغة الإنجنيزية - كل مسالك النا					
E. PUT	THE	VE	RBS IN F	BRACKETS	IN THE CORRECT TENSI	E. (2 pts)					
						in the local council for 20 years.					
			-	_		ect, her brother was playing games.					
F. MAT	CH I	EA(	CH EXPR	ESSION TO	) ITS APPROPRIATE FUN	CTION. (2 pts)					
				Expre	essions	Functions					
	1.	"W	/hy don't v	you try anoth	er job?"	a. asking for opinion					
	2.		•	•	ew with you."	b. making a request					
	3.				etails about the topic?"	c. disagreeing d. making a suggestion					
	4.	"W	/hat do yo	u think of on	line learning?"	e. complaining					
<ol> <li>Man Pat:</li> <li>Sand</li> </ol>	ager: ·····	I'm 	afraid the	report you s	F documents. What should I do						
III. WR	ITIN	<b>IG</b>	(10 F	POINTS)	DO TASKS 1 AND 2						
TAS	K 1:	(4 <u>r</u>	ots)	Complete th	e following paragraph.						
ľ	Many	tou	ırists like t	o visit Moro	cco for different reasons. First,						
		· · ·									
		• • •									
• • • • • •		• • •									
		• • •									
		• • •									

## لا يكتب أي شيء في هذا الإطار

5	على	5	الصفحة:	NS 12	الامتحان الوطني الموحد للبكالوريا -الدورة العادية 2021 - الموضوع مادة:اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية
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