

Anisse High School Academic Year: 2018 / 2019 Level: 2<sup>nd</sup> Year Baccalaureate Date: 16 / 05 / 2019

Test N° 6

Duration: 1 hour 30 minutes

Name:	
Class:	
Final Mark	/ 20

Nowadays it's all about data – a small, rather dull word which is profoundly



changing our world. New technologies, such as voice-controlled speakers, "Internet of Things" (IoT) sensors, connected cars to fitness wearables, are vastly increasing the amount of digital data we produce. And artificial intelligence (AI), ma-



chine learning and cloud computing are transforming the way we store, analyse and apply it.

- Yet data in the wrong hands could threaten world peace, some commentators warn. "Deepfakes" manipulated digital videos that overlay a person's face onto another's body or change what people actually said pose a growing threat, argues Katja Bego, data scientist at innovation foundation, Nesta. "*They* are still a relatively new technology that is evolving incredibly fast; they not only make it harder for the naked eye or even specialists to identify them, but have become even easier and cheaper to create, as well."
- She envisages a nightmarish scenario in which a world leader could appear to declare war or spread damaging information, with potentially devastating results. If we cannot trust what we see or hear any more, is this "the end of truth as we know it?" she asks. Andrew Tsonchev, director of technology at cyber security company Darktrace Industrial, also believes the Internet's opened.



- at cyber security company Darktrace Industrial, also believes the Internet's openness and lack of accountability qualities its founders cherished can be misused by those with malicious intent. "Ultimately, manipulating the public discourse might prove to be a greater cyber-risk than the hacking of our devices," he says.
- Cybersecurity companies are notorious for scaring us in the drive to sell more of their products. But that doesn't mean their warnings are worthless. "A new kind of Al-powered malware will infect an organisation's system, sit undetected gathering information, adapt to its surroundings, and start a series of bespoke attacks targeted to demolish a company from the inside," predicts Jason Hart, chief technology officer, data protection, at security firm Gemalto. Greg Day from Palo Alto Networks says, "Cybersecurity will be a machine versus machine fight with humans alongside to help and adjudicate."
- But it's not all bad news. "We predict that by mid-2020, two in three patients with any condition will be supported by AI and AI-related technologies, either as part of diagnostics, treatment, or medicine administration," says John Gikopoulos, global head of AI and automation at Infosys Consulting. Wearable devices are already giving us increasingly sophisticated data about our health and welfare. "Your Apple Watch can deduce your heart health, mood, and sleep patterns. Your genome can tell you your risk for inherited cancer and heart disease and traits that impact everything from your caffeine sensitivity to your ability to metabolise medicine."
- While data how it is produced, stored, analysed and applied will be a future key issue, developing technologies, like voice control, superfast 5G mobile and connected cars, will gather pace. But these will only emphasise further how vulnerable our data is and how much harder we need to work to protect, own and value it.

## **COMPREHENSION (15 POINTS) (BASE ALL YOUR ANSWERS ON THE TEXT)** Are these statements TRUE or FALSE? JUSTIFY your answers. (3 pts) Α 1 The gadgets we use in our daily life generate more and more data. 2 People now can easily distinguish reality from fabrication. 3 Controlling data may soon become more important than stealing it. В Answer these questions with information from the text. (4 pts) 1 What are the two changes that Deepfakes consist of? (2 pts) 2 Who can exploit the most valued qualities of the Internet? ..... ..... 3 Which types of wars will we have in the future? C Complete the following sentences with information from the text. (3 pts) People think that this is "the end of truth as we know it" due to 1 2 Cybersecurity's warnings are important although ...... ..... 3 Al and Al-related technologies can diagnose a disease as well as ...... D Find in the text words which mean almost the same as the following. (2 pts) cover (para. 2): 1 2 adapted (para. 4): Ε What do the underlined words in the text refer to? (3 pts)

1

2

<u>it</u> (para 1): <u>They</u> (para 2):

**She** (para 3):

## II LANGUAGE (15 POINTS)

1 .....

Α		Choose th	ie correct answer. (4	pts)			
1		It's the house		whos	whose door is painted red.		
		а	whom	b	who	С	whose
2		I thought I'dyou while I was passing.					
		а	put up with	b	drop in on	С	get on with
3		I wish I		to go to wor	k tomorrow.		
		а	didn't have	b	hadn't had	С	don't have
4		I just can't get usedup early.					
		а	to get	b	get	С	to getting
В		Give the c	correct form of the w	ords betweel	n brackets. (2 p	ots)	
1		There was	(spread widely)		criticism of t	:he government's	handling of the disaster.
2		Choose a	computer to (suitable)		yo	ur particular need	S.
С		Put the verbs between brackets in the correct tense. (3 pts)					
Th	nis (	(¹ happen)		about five y	vears ago. I (² co	ome)	back home
fro	om <sup>-</sup>	Turkey whei	re I (³ be)		on holiday with s	some friends who	had rented a bungalow
in	the	mountains	not far from Ankara, tl	he capital. An	yway, we were s	sitting on the plan	e and had just taken off
wł	nen	there was a	a loud bang from the r	ight hand side	of the plane an	d I could see a lo	t of smoke coming
D		Rewrite the following sentences as suggested. (4 pts)					
1		You failed	your driving test beca	use you didn'i	t pay attention.		
		You wouldn't have failed your driving test if you					
2		There's no food left – I'm sure we ate it all.					
		We must					
3		They have left a bag behind.					
		A bag					
4		"Will you pa	ou pay you a call when you're in town?"				
		She asked	me				
E		Match the	following statement	s with the fu	nctions they ex	rpress. (2 pts)	
Γ			Statements			Func	tions
ŀ					а	expressing reg	ret
	1	"I'm afraid	d I can't make it tomor	row."	b	apologizing	
	2	"He shou	ld have been more ca	reful."	С	complaining	
					d	expressing criti	cism

2

## III WRITING (10 POINTS)

Answer the following email.

1	
	May 16 <sup>th</sup> ,
Dear Jean,	

Those are the <u>things</u> that I hold dear and without which I don't think I can survive a single day. I hope I've answered all your questions and satisfied your curiosity. Well, me too, I'd like to know about the most