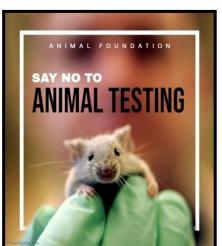
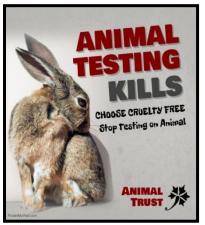


- [1] Tens of millions of animals are killed every year in scientific research and testing. Their number has grown over recent years, most probably because more biomedical research is being carried out around the world. The most commonly used animals are mice, fish and rats, but many other species including monkeys, cats, dogs, horses and pigs are also used.
- [2] Animals are experimented on for many reasons. These include understanding human biology, developing and testing cure for humans and obtaining fundamental knowledge in teaching. Furthermore, many companies depend on animals for testing the safety of their substances and products. Another major reason is developing veterinary treatments for other animals.



- [3] Scientists insist that new remedies for serious illnesses cannot be developed unless their safety and efficacy are tested on animals. Similarly, **they** argue that understanding basic biology and creating new medicines cannot be achieved without animal research. "Consequences will be terrible if research using animals is blocked," said Nancy Lee, senior policy adviser in London.
- [4] However, we may no longer need to rely on animals to test the safety of different medications, chemicals, or cosmetics in the future. A few months ago, scientists developed the first computer system known as RASCAR which can accurately detect toxic substances. RASCAR is just one of many potential alternatives to animal testing. "I'm extremely optimistic about this and other similar tools to restrict animal testing," says Andrew Rowan, chief scientific officer for The Humane Society of the United States.



"Using animals in tests is significantly very expensive. It takes three years to do comprehensive testing while RASCAR takes only few minutes," **he** adds.

[5] Tom Regan, a philosophy professor in the USA, states: "Animals and people are alike in many ways; they both feel, think, behave, and experience pain." Thus, animals should be treated with the same respect as humans. When animals are reduced to being mere tools in a scientific experiment, their rights are taken away without any thought of their well-being. Tests often cause pain and suffering or even death.

				T						
خاص بكتابة الامتحان			خاص بـ		حان الوطني الموحد الوكا الدورة الاستدراكية 2020	المملكة المغربية ورارة التوليدة المغربية ورارة التربية الولمنية ورارة التربية الولمنية والتكوين الممارية المنادي المنادي والمحدد العامر المنادي المنادي والمحدد العامر المنادي والمنادي المنادي المنا				
ННН	ННННННННННННННН			H [*	الموضوع_	RS 12	سرمر توعي سويم و د سعه د			
	رقم الامتحان:			ر			الإسم الهندي والعائلي: تاريخ ومكان الازدياد:			
2	مدة 2 المعامل 2				اللغة الإنجليزية المسلك الشعب العلمية والتقنية والأصيلة السهاد الشعب العلمية والتقنية والأصيلة المسلك الشعب العلمية والتقنية والأصيلة المسلم			المادة الشعبة والمسلك		
								<u>-></u>		
خاص بكتابة الامتحان			خاص ب	الْشَعْب العلمية والتقنية (على المصحح التأكد من أن النقطة النهائية على 20) لله			الملة: اللغة الإجليزية ك: كل مسالك الشعب العلمية والتقنية والأصيلة	الشعبة والمسل		
5	على	2	الصفحة:		حح وتوقيعه:	اسم المص	ورقة الإجابة	RS 12		
I. (I. COMPREHENSION (15 POINTS) BASE ALL YOUR ANSWERS ON THE TEXT									
A	A. ARE THESE STATEMENTS TRUE OR FALSE? JUSTIFY. (3 pts)									
	1. The	numb	er of anin	nals killed in	scientific research is incre	easing.				
	2. Expe	rimei	nting on a	nimals benef	fits other animals.					
	3. Andrew Rowan is for the use of tools like RASCAR instead of animal testing.									
R	A NICV	VED'	THESE 4	QUESTION				• • • • • •		
				_						
List two reasons why scientists test on animals. a										
	b									
	2. What is one advantage of using RASCAR?									
3. In what way are animals similar to people according to Tom Regan?										
C. COMPLETE THE FOLLOWING SENTENCES. (2 pts)										
1. Nancy Lee thinks that research will be affected if										
2. The function of RASCAR is to.										
D.	FIND	IN TI	HE TEXT	Γ WORDS	ΓHAT MEAN ALMOST	THE SA	ME AS (2 pts)			
	D. FIND IN THE TEXT WORDS THAT MEAN ALMOST THE SAME AS (2 pts) 1. limit (paragraph 4):									
	2. instr	ımen	ts (paragr	aph 5):						
					D WORDS IN THE TEX					
	•		O 1							
2. he (paragraph 4) :										



why.							
الصفحة: 3 على 5	RS 12	الامتحان الوطني الموحد للبكالوريا – الدورة الاستدراكية - 2020 - الموضوع مادة: اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية والأصيلة					
b. is against c. has no opi	er he use of an the use of a nion about	VER. (2 pts) nimals in scientific research. nimals in scientific research. the use of animals in scientific research.					
II. LANGUAGE	(15 POIN	(TS)					
 The young lady. Rachid 	er new job	TH THE APPROPRIATE WORDS FROM THE LISTS. (3 pts)					
		find out - look after - look at					
B. FILL IN THE BL	ANKS WI	TH THE APPROPRIATE WORDS FROM THE LIST. (2 pts)					
the community.	nvolvement	- unsuccessful - include - spectacular - excessive t in local and national projects will their status in out their kids' use of mobiles and tablets.					
C. GIVE THE CORI	RECT FOR	RM OF THE WORDS IN BRACKETS. (2 pts)					
		was great, but she didn't win the singing contest.					
		tion) to the promotion of citizenship values.					
 Zineb came back I think most coun economies by Sep REWRITE THE S The World Bank f Many social projet 	to Morocco stries (overcontember. SENTENCI Sinanced managed cts	after she (graduate)					

Amine told me that he





an a second and a second a second and a second a second and a second a									
-									
الامتحان الوطني الموحد للبكالوريا – الدورة الاستدراكية - 2020 - الموضوع مادة: اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية والأصيلة									
TASK 2: (6 pts)									
The local council is thinking of a project for young people in your area. There are 3 options:									
1. a sports center 2. a swimming pool 3. an amusement park									
Choose one project and write an email to the president of the local council about the importance of the project you have chosen.									
Dear Sir or Madam,									