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الامتحان الوطني الموحد للبكالوريا
الدورة العادية 2023

المملكة المغربية
وزارة التربية الوطنية والتعليم الأولي والرياضة
المركز الوطني للتقويم والامتحانات

HHHHHHHHHHHHHHHHHHHHH-HHH

الموضوع

NS 12

المادة	اللغة الإنجليزية	مدة الإنجاز	2h
الشعبة أو المسالك	كل مسالك الشعب العلمية والتقنية	المعامل	2

[1] Two Moroccan women scientists appeared on the list of the AD (Alper-Doger) Scientific Index in 2023. It lists scientists and researchers internationally, based on their performance and scientific efforts. Rajaâ Cherkaoui El Moursli and Farida El Fassi, professors at Mohammed V University in Rabat, managed to appear on the AD index list for their great contributions to scientific research.



[2] El Moursli was born in Salé in 1954. As a student, she was fascinated and inspired by the American astronaut Neil Armstrong who became the first person to walk on the Moon in 1969. After getting her Bac in mathematics in Rabat, she went to study in Grenoble in France where she obtained her doctorate in physics. In 1982, she returned to Morocco and joined Mohammed V University as a teacher and researcher in nuclear physics, medical physics and high energy physics. From 2013 to 2017, she was the vice president of **the university**. In 2015, El Moursli received a UNESCO award for "Women in Science" for her key contribution to one of the discoveries in physics. In 2019, she was elected vice president of the Network of African Science Academies (NASAC), which aims to make science as a way for positive change in Africa.

[3] El Moursli was happy with her position among international scientists. It is an achievement, which awards a long journey of research, work and innovation. She considered her ranking an honor for Morocco and the efforts of researchers and their competencies. "It is a kind of scientific diplomacy that ensures the popularity of Morocco in international academic forums," she explains.



[4] Farida El Fassi, a professor of nuclear physics at Mohammed V University in Rabat, ranked second in the Arab world and in Africa on the AD Index. When she was a child, she had a strong passion for sciences. "When I was little, my parents nurtured my curiosity and problem-solving skills through practicing home tasks such as cooking, doing household chores and planning trips," she explains. El Fassi was born in Larache where she attended middle and high school before moving to Tetouan to complete her university studies. After that, she joined the University of Valencia in Spain and got a doctorate in particle physics **there**. She then worked as a researcher at the National Center for Scientific Research in Spain. In 2014, she returned to Morocco with the aim of spreading scientific knowledge among Moroccan students.

[5] El Fassi believes that scientific research "requires individual effort as well as the support of the state. Therefore, Morocco needs to make more efforts to provide more research opportunities and suitable working conditions to minimize brain drain."

Adapted from: *www.pledgetimes.com* and *www.twas.org*

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خاص بكتابة الامتحان	**الامتحان الوطني الموحد للبكالوريا** **الدورة العادية** 2023	المملكة المغربية وزارة التربية الوطنية والتعليم الأولي والرياضة المركز الوطني للتقويم والامتحانات
HHHHHHHHHHHHHHHHHHHHHH-HHH	I* **الموضوع** NS 12	
رقم الامتحان:	الإسم الشخصي والعائلي: ..... تاريخ ومكان الازدياد:	
2 المعامل / 2h مدة الإنجاز	**اللغة الإنجليزية** **كل مسالك الشعب العلمية والتقنية**	المادة الشعبة والمسلك

خاص بكتابة الامتحان	النقطة النهائية على 20: بالأرقام..... والحروف..... (على المصحح التأكد من أن النقطة النهائية على 20) اسم المصحح وتوقيعه:	**المادة: اللغة الإنجليزية** الشعبة والمسلك: كل مسالك الشعب العلمية والتقنية
الصفحة:2على5		ورقة الإجابة NS 12

I. COMPREHENSION (15 POINTS)

BASE ALL YOUR ANSWERS ON THE TEXT.

A. COMPLETE THE CHART WITH INFORMATION FROM THE TEXT. (2 pts)

	Birthplace	Date of return to Morocco
Rajaâ Cherkaoui El Moursli	. . . . .	. . . . .
Farida El Fassi	. . . . .	. . . . .

B. ARE THESE STATEMENTS TRUE OR FALSE? JUSTIFY. (2 pts)

1. When El Moursli returned to Morocco, she started working as vice president of the university.

. . . . . .

2. El Fassi worked abroad before returning to Morocco.

. . . . . .

C. ANSWER THE FOLLOWING QUESTIONS. (3 pts)

1. Who was El Moursli's role model when she was young? . . . . . .

. . . . . .

2. Why did El Fassi decide to return to Morocco? . . . . . .

. . . . . .

3. What does El Fassi suggest to fight brain drain? . . . . . .

. . . . . .

D. COMPLETE THE SENTENCES WITH INFORMATION FROM THE TEXT. (2 pts)

1. The goal of the Network of African Science Academies is . . . . . .

. . . . . .

2. Doing household chores and planning trips allowed El Fassi to develop . . . . . .

. . . . . .

E. PICK OUT FROM THE TEXT PHRASES OR SENTENCES WHICH SHOW THAT (2 pts)

1. El Moursli worked hard for her position. (paragraph 3):

. . . . . .

2. EL Fassi loved sciences at an early age. (paragraph 4):

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الصفحة:3على5	NS 12	الموضوع – الامتحان الوطني الموحد للبكالوريا -الدورة العادية 2023 مادة:اللغة الإنجليزية - كل مسالك الشعب العلمية والتقنية

. . . . . .

F. FIND IN THE TEXT WORDS THAT MEAN ALMOST THE SAME AS (2 pts)

1. important (paragraph 2): . . . . . .
2. reduce (paragraph 5): . . . . . .

G. WHAT DO THE UNDERLINED WORDS IN THE TEXT REFER TO? (2 pts)

1. **the university** (paragraph 2): . . . . . .
2. **there** (paragraph 4): . . . . . .

II. LANGUAGE (15 POINTS)

A. GIVE THE CORRECT FORM OF THE WORDS IN BRACKETS. (2 pts)

1. Climate change needs a lot of (collaborate) . . . . . to reduce its negative effects.
2. Mourad is a very (competence) . . . . . manager. His leadership qualities are motivating.

B. FILL IN THE BLANKS WITH THE CORRECT WORDS FROM THE LISTS. (3 pts)

1. I can't help . . . . . whenever I watch Mr. Bean's shows.
   laugh - laughing - to laugh
2. Khalid will have . . . . . the university in two years' time.
   leave - leaving - left
3. The electric cars . . . . . Morocco will produce are environment friendly.
   where - which - whose

C. FILL IN THE BLANKS WITH THE CORRECT WORDS FROM THE LIST. (2 pts)

get - keep on - performing - keep up - training

1. Many jobs will disappear in the future as robots will replace humans in . . . . . some tasks.
2. Workers need more training programs to . . . . . with the rapid changes in the job market.

D. REWRITE THE SENTENCES AS INDICATED. (4 pts)

1. "I think you should convert the document to PDF?" she said.
   She advised me . . . . . .
2. She exercised a lot. She failed to lose weight.

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Despite . . . . . .

3. I didn't attend the online lesson because of poor internet connection.

I wish. . . . . .

4. The school created a new blog to share activities.

A new blog . . . . . .

E. CHOOSE THE MOST APPROPRIATE RESPONSE. (2 pts)

1. Ahmed: I'm afraid to say it, but I've been waiting for a long time to get my phone repaired!
Technician: . . . . . .

a. Definitely. **b. I'm awfully sorry.** **c. It's my pleasure.**

2. Your friend: Our Moroccan national football team has made it to the World Cup semifinals.
You: . . . . . .

a. Well-deserved! **b. Poor you!** **c. What a pity!**

F. COMPLETE THE FOLLOWING EXCHANGES APPROPRIATELY. (2 pts)

1. Nawal: I find this film boring.
You: I have the same feeling. (Suggest something else) . . . . . .

2. Kamal: (Asks his friend to take a picture) . . . . . .
Friend: Of course.

III. WRITING (10 POINTS) ***DO TASKS 1 AND 2***

TASK 1: (4 pts) Complete the following paragraph.

Using surveillance cameras at school has many benefits.

First, ...

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TASK 2: (6 pts)

Nowadays, people think that living in big cities is very challenging.

Write an article to be published in your school e-magazine about the problems people face in big cities.

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الامتحان الوطني الموحد للبكالوريا
الدورة العادية 2023

المملكة المغربية
وزارة التربية الوطنية والتعليم الأولي والرياضة
المركز الوطني للتقويم والامتحانات

HHHHHHHHHHHHHHHHHHHHH-HHH	عناصر الإجابة	NR 12
2h	مدة الإنجاز	اللغة الإنجليزية	المادة
2	المعامل	كل مسالك الشعب العلمية والتقنية	الشعبة أو المسلك

KEY AND MARKING SCALE

Accept any appropriate answer not mentioned in this key.

I. COMPREHENSION (15 POINTS)

Testees should not be penalised for spelling and grammar mistakes in the comprehension section.

A. CHART COMPLETION: (2 pts; 0.5 pt each)

	Birthplace	Date of return to Morocco
Rajaâ Cherkaoui El Moursli	Salé	1982
Farida El Fassi	Larache	2014

B. TRUE OR FALSE: (2 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 text are acceptable.)

1. F. She joined Mohammed V University as a teacher and researcher (in..... high energy physics).
2. T. She then worked as a researcher at .....in Spain.

C. WH QUESTIONS: (3 pts; 1 pt each)

1. (The American astronaut) Neil Armstrong.
2. .....to spread scientific knowledge among Moroccan students.
3. ..... Morocco needs to make more efforts .....conditions.

D. SENTENCE COMPLETION: (2 pts; 1 pt each)

1. ... .to make science as a way for positive change in Africa.
2. ... her curiosity and problem-solving skills.

E. PICK OUT: (2 pts; 1pt each)

1. A long journey of research, work and innovation./ (it's) an achievement
2. When she was a child, she had a strong passion for sciences.

F. WORD MEANING: (2 pts; 1 pt each) 1. key 2. minimize

G. WORD REFERENCE: (2 pts; 1 pt each) 1. Mohammed V 2. University of Valencia (in Spain)

II. LANGUAGE (15 POINTS)

A. WORD FORM: (2 pts; 1 pt each) 1. collaboration 2. competent

B. GAP-FILLING: (3 pts; 1 pt each) 1. laughing 2. left 3. which

C. GAP-FILLING: (2 pts; 1pt each) 1. performing 2. keep up

D. SENTENCE REWRITING: (4 pts; 1 pt each)

1. ... to convert the document to PDF/ ....that I should convert .....;
2. ... ...exercising/.....the fact that she exercised.....
3. ... I had attended ..... / ..... I had had a good internet connection.
4. .....was created (to share activities).

E. APPROPRIATE RESPONSES: (2 pts; 1 pt each) 1. **b.** I'm awfully sorry. 2. **a.** Well-deserved!

F. EXCHANGE COMPLETION: (2 pts; 1 pt each) ***Accept any correct and appropriate answer***.

III. WRITING (10 POINTS; Task 1: 4 pts; Task 2: 6 pts)

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

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