République Tunisienne
Ministère de l'Enseignement Supérieur
et de la Recherche Scientifique

Concours Nationaux d'Entrée aux
Cycles de Formation d'Ingénieurs
Session 2026

الجمهورية التونسية
وزارة التعليم العالي
والبحث العلمي
المناظرات الوطنية للدخول
إلى مراحل تكوين المهندسين
دورة 2026

AVIS IMPORTANT AUX CANDIDATS

Ce cahier d'examen **est strictement personnel**. Il ne doit comporter **aucun signe distinctif**.
Les réponses doivent être rédigées en **noir** ou en **bleu**.
Le **non respect** de l'une de ces recommandations peut conduire à l'attribution de la note **ZERO** à la copie.

Case à cocher si le candidat est absent

☐

CONCOURS : **Mathématiques et physique**

EPREUVE DE : **Anglais**

DATE :**05-06-2026 à 11 H 00**

DURÉE : **2 HEURES**

NE RIEN ÉCRIRE ICI

NOM : .....

PRÉNOM : .....

DATE DE NAISSANCE : .....

N° de C.I.N/PASSEPORT pour les étrangers : .....

SÉRIE : .....

IDENTIFIANT : .....

Signature des enseignants	

Signature du candidat

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IMPORTANT :

- Il sera tenu compte de la présentation, (l'écriture au crayon n'étant pas permise)

Part One : Reading comprehension

Question 1

Complete the following table with information from the text about the "Darién Gap":

Location	- .....
Size	- .....
Physical features	- ..... - ..... - .....
Wildlife	- ..... - ..... - ..... - .....

Question 2

Say whether the following statements are true or false and justify from the text:

a- Panamanian authorities were lenient in dealing with the issue of deforestation. (.....)

.....

b- Once protected, the Darién park would greatly contribute to reducing greenhouse gases. (.....)

.....

c- International climate meetings bring fruitful support for deforestation. (.....)

.....

Question 3

Fill in the flow chart with information from the text:

Intruders enter remote zones

↓

Wildlife cameras .....
.....

↓

Information is shared through .....
.....

↓

Park rangers share ..... ,
..... and
.....

↓

When a fire breaks out, rangers can instantly determine where the fire is taking hold.

Question 4

Fill in the blanks with words or phrases from the text:

a- In the last twenty years, tropical forests throughout the world have been losing size due to ..... , ... and .....

b- Once the Panamanian president was elected, he soon cleansed the public administration institutions of ..... , established a ..... and ..... the park patrol division with a large number of new rangers.

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Question 5

Answer the following questions:

a- What environmental outcomes does the technological intervention have in the Darién Park? (mention three of them).

-.....

-.....

-.....

b- Apart from technology, what are the other factors that helped to recover the Darién National Park?

- .....

- .....

- .....

Question 6

Tick the correct alternative to explain what the writer means by:

A- in communicado (§5):

☐ **1-** talking too much on the phone.

☐ **2-** being unable to confront loggers.

☐ **3-** being unable to communicate with anyone else.

B- to turn the tide (§9):

☐ **1-** to reverse a negative trend.

☐ **2-** to delay an action.

☐ **3-** to ignore a problem.

Question 7

What do the underlined words in the text refer to?

a- there (§4) : .....

b- them (§5) : .....

c- its (§8) : .....

Question 8

Find words from the first two paragraphs having nearly the same meaning as:

a- protected : ..... **b**- organized and initiated: .....

Question 9

Which option best summarizes the text? (write a, b or c in the space provided)

a- Tropical forests are impossible to protect without international climate summit's support.

b- A success story that could stop deforestation worldwide.

c- Financing climate alone can offer hope to tackle the issue of deforestation.

Answer: .....

PART TWO : LANGUAGE

Question 10

Put the bracketed verbs in the right tense

Amazon Web Services, Microsoft, and Google are leading providers of the cloud infrastructure that powers AI. Before the AI hype started, these companies **[1] (commit)** ..... themselves to running their data center on 100% renewable energy by 2030. With growing power consumption, it's unclear how they **[2] (meet)** ..... that goal. Firstly, despite their green promises, they **[3] (be)** ..... still heavily reliant on fossil fuel to meet their energy needs. What's more, as AI activity **[4] (grow)** ..... exponentially, these companies' energy usage has increased at a similar rate. There is simply not enough clean energy to meet demand. So even if these companies were to use only green energy, other sectors **[5] (have)** ..... to manage with much less. The only clear solution, therefore, is that all industries must considerably reduce their energy consumption.

Question 11

Put the bracketed words in the right form

The Mediterranean region is experiencing severe, record- **[1] (break)** ..... weather, with 2024-2026 data indicating **[2] (precede)** ..... high temperature and marine heatwaves, where sea surface temperatures have exceeded 30°c. This extreme **[3] (warm)** ..... , combined with intense rainfall, is fueling powerful storms and flooding, particularly affecting Italy, North Africa, and Spain. This situation is part of a broader trend of accelerating climate change in the region, with hotter, **[4] (dry)** ..... conditions leading to increased wildfires and more intense storms, known **[5] (local)** ..... as "medicanes".

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Question 12

Find synonyms of the bracketed words. You are given the first two letters of the word. The number of boxes corresponds to the number of the missing letters: Write them in CAPITAL LETTERS.

The Bird's Nest is one of the most pioneering examples of China's focus on the practice known as "urban rainwater **[1] ha**... (= **collecting**)" (URWH), but it is not the only one. All over China, major buildings are **[2] co**... (=**built**) with a focus on URWH. Across the road from the Bird's Nest, the National Aquatics Centre is covered with a **[3] sp**... (=**specially**) designed rainwater system that can collect **[4] ap**... (=**about**) 10,000 tons of rainwater a year, equivalent to the amount used by 100 **[5] ho**... (=**families**).

[1] H A _ _ _ _ _ _ _ _

[2] C O _ _ _ _ _ _ _ _ _

[3] S P _ _ _ _ _ _ _ _ _ _

[4] A P _ _ _ _ _ _ _ _ _ _ _

[5] H O _ _ _ _ _ _ _ _

Question 13

Find antonyms of the bracketed words. You are given the first two letters of the word. The number of boxes corresponds to the number of the missing letters: Write them in CAPITAL LETTERS

After pledging to halve food loss by 2030, IKEA became the first global company to do so in all its restaurants in 2023 **[1] re**... (≠ **increasing**) waste by 54% years ahead of schedule. The company invested **[2] si**... (≠ **unimportant**) resources toward this goal, from **[3] hi**... (≠ **firing**) a dedicated team; to outfitting its restaurants with smart scales to measure food waste; to partnering with the Too Good to Go app, which **[4] al**... (≠**prevents**) customers to purchase discounted food that would otherwise be thrown out. But the payoff was big: In addition to **[5] sa**... (≠ **losing**) more than 20 million meals and avoiding 36,000 tons of greenhouse gas emissions every year, this shift is maximizing IKEA's profits by $ 37 million annually.

[1] R E _ _ _ _ _ _

[2] S I _ _ _ _ _ _ _ _ _ _

[3] H I _ _ _ _ _

[4] A L _ _ _ _ _

[5] S A _ _ _ _ _

Question 14

Change the underlined phrases by using compound adjectives

Artificial intelligence is **[1]** a technology that evolves fast (a ..... technology) and it may even be the fastest one in human history. It relies on **[2]** a strategy that is driven by data (a ..... strategy). However, it is **[3]** a technology that has two edges (a ..... technology) because a lot of energy is needed. A simple data center for example, needs **[4]** a networking equipment that is composed of 100 routers (a ..... networking equipment). That's why this **[5]** process must be adopted in a proper way must be (a ..... process).

Question 15

Express differently starting as given (keep the same meaning)

1/ Some firms never involved animals in drug testing.

Never .....

2/ The technology wasn't applied appropriately to satisfy the customers' needs.

If ....., customers' needs would have been satisfied.

3/ ''When did the second World War begin?'', asked the teacher.

The teacher asked the students .....

4/ The company expanded rapidly, and this expansion transformed the tech industry. The company is now facing serious challenges.

The company, ... rapid expansion transformed the tech industry, is now facing serious challenges.

5/ I analyzed the data even though I already knew the results.

I needn't ..... the data.

PART THREE: WRITING

Question 16

Fill in the blanks with the correct linkers from the list (there are TWO extra words)

while- namely- eventually- indeed- though- as well as- in order to

AI can help organizations adapt to a changing planet. ....., AI is able to aid us adjust to climate change ..... fight it. Climate scientists already use AI ..... improve extreme weather forecasts, saving lives through earlier warnings.

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University of Dundee engineering professor Roger Wang has already proved this can work with a 2018 experiment combining social media images with data from the MyCoast app. Major financial institutions are using AI to enhance sustainable investing by analyzing vast data, ... governments can use it to design incentive systems that reward low-carbon innovation. ..... , AI could model pathways for more equitable trade and diplomacy- or to map the most effective ways to restore ecosystems and balance development with biodiversity.

Question 17

Match a sentence from column A with a sentence from column B to get a coherent paragraph. (There is an extra sentence in column B) (The first sentence is given as an example)

A	B
1/ It's already obvious that some governments are not acting fast enough	a/ including injecting sulphates into the atmosphere to reflect sunlight back into space, could do more harm than good.
2/ While it is essential to continue to concentrate on reducing methane and carbon dioxide emissions as quickly as possible,	b/ about ozone depletion.
3/ One of the problems is that many of the ideas put forward so far,	c/ to keep the planet's temperature from rising dangerously.
4/ This is because sulphates cause acid rain and interfere	d/ then recover them to see what changes this exposure causes.
5/ To avoid controversy, researchers are experimenting with alternative sulphates,	e/ other methods of cooling the planet need to be urgently explored.
6/ They will hoist them into the stratosphere using weather balloons	f/ with rainfall patterns.
	g/ substances that reflect sunlight but are benign.

1 → c	2 →	3 →	4 →	5 →	6 → ....

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Question 18

ESSAY:

Australia has banned children under the age of 16 from using social media such as Facebook, TikTok, Snapchat and You Tube. Some other countries, including France, are also thinking about doing the same. Do you think banning social media for children under 16 is a good measure to protect them? Support your opinion with solid arguments. (Do not exceed 15 lines).

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المناظرات الوطنية للدخول إلى
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Concours toutes Options
Epreuve d'Anglais

Date : 05 Juin 2026	Heure : 11H	Durée : 2 H

THE TEXT

'They're scared of us now': how co-investment in a tropical forest saw off loggers

1- There are no roads through the Darién Gap. This vast impenetrable forest spans the width of the land bridge between South and Central America, but there is almost no way through it: hundreds have lost their lives trying to cross it on foot. Its size and hostility have shielded it from development for millennia, protecting hundreds of species- from harpy eagles and giant anteaters to jaguars and red-crested tamarins- in one of the most biodiverse places on Earth. But it has also made it incredibly difficult to protect. Looking after 575,000 hectares of beach, mangrove and rainforest with just 20 rangers often felt impossible, says Segundo Sugasti, the director of Darién national park. Like tropical forests all over the world, it has been steadily shrinking, with at least 15% lost to logging, mining and cattle ranching in two decades.

2- But in the past three years, Panama has mounted a surprising fightback that could offer hope to the rest of the world's forests. In 2022, the government took a hard line on deforestation and modernized its park ranger force, partnered with the NGO Global Conservation and deforestation in the park began to fall. That fall accelerated when President José Raùl Mulino took office in July 2024.

3- Mulino purged the environment ministry of corrupt officials and introduced a blanket moratorium on logging to stop companies exploiting indigenous logging permits. The park ranger force was expanded with 30 new recruits and 11 forestry officers, swelling numbers from six to more than 40. The number of patrols has grown from almost zero in 2022 to 55 in 2024, with more than 150 expected in 2025.

4- In an era when cash-strapped governments are slashing environmental budgets, Jeff Morgan, the director of Global Conservation, which partners with the park, says: "It's a miracle." "I've been in this industry for more than 10 years and worked in 22 countries. I've never seen anything like this," he says. Global Conservation supported the park with new trucks, boats, food and fuel, giving the rangers the tools and confidence to reach areas they once avoided. "Now if we have to go by boat, by truck or by foot, we will go <u>there</u> – no matter how far it is. As long as we feel safe and supported, we will do it," says Esquivel Ramires, a park ranger.

5- The other significant shift has been in the use of technology. With little phone signal in the rainforest, rangers used to spend much of their time **incommunicado**, chasing ghosts. By the time alerts of intruders clearing trees reached them, they had already vanished. Rangers have now been given access to cameras, satellites and cloud systems, starting with Elon Musk's Starlink, and are in constant communication with one another, allowing for a quicker, more coordinated response.

6- Sugasti says: "Before, sending a park ranger to remote zones meant risking their life. Now I can send them to the most far-flung corners quickly, knowing they are safe." Trail cameras automatically detect movements of logging crews and all officers use EarthRanger- a cloud-based park management system that allows them to share photos, GPS locations and incident reports immediately. If a fire is reported inside the park, they can immediately pinpoint the location of the blaze.

7- The platform also links to external sources such as Global Forest Watch's real-time fire-detection satellites. "No fires took hold in the park in 2024 or 2025," Sugasti says. In the past, one or two rangers might have arrived late and alone, now teams of five can be rapidly dispatched together. As a result, the team's presence is more visible and feared and loggers and miners are retreating. "Illegal mining, the poaching of animals and logging are happening a lot less. They are scared of us now," says ranger Juan Sebuygera, wearing his green standard-issue, wide-brimmed hat.

8- The results have been staggering. Forest loss inside the national park plummeted by 88% between 2022 and 2025, reaching its lowest level in 20 years, according to Global Forest Watch. So far this year, logging in the park has fallen to nearly zero, the park says. The reclaiming of Darién national park should help protect one of the region's largest carbon sinks and indigenous groups and many animal species that live there. It also comes as tropical forests across Central America are collapsing.

9- "Bringing park rangers who still work with pens and notepads into the age of cameras, tablets and cloud computing is a pragmatic way **to turn the tide** when climate diplomacy at summits like COP is failing," Morgan says. He adds "Panama's turnaround also shows how co-investment – partnering with governments that also invest in conservation – makes rangers more accountable and brings better results. And it is also quicker. Instead of waiting on climate finance, there should be a push for direct co-investment with governments." "This is just one park. Imagine the difference we could make with just $200,000 a year, times 1,000 parks," he says.

25 Dec 2025

The Guardian