

**CONCOURS INTERNE POUR LE RECRUTEMENT :**

► d'INGÉNIEURS DES ÉTUDES ET DE L'EXPLOITATION DE  
L'AVIATION CIVILE (I.E.E.A.C.)

&

► d'INGÉNIEURS DU CONTRÔLE DE LA NAVIGATION AÉRIENNE  
(I.C.N.A.)

**ÉPREUVE OBLIGATOIRE**

**ANGLAIS**

**Durée : 3 heures**

**IEEAC : Coefficient 3**

**ICNA : Coefficient 3**

**Cette épreuve comporte :**

- ➡ 1 page de garde (recto)
- ➡ 1 page de consignes (recto)
- ➡ 10 pages de sujet numérotées de 1 à 10 (recto-verso)

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| <p><b>TOUT DISPOSITIF ELECTRONIQUE EST INTERDIT (EN<br/>PARTICULIER L'USAGE DE LA CALCULATRICE)</b></p> |
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# ÉPREUVE OBLIGATOIRE D'ANGLAIS

## *A LIRE TRÈS ATTENTIVEMENT*

L'épreuve obligatoire d'anglais de ce concours est un questionnaire à choix multiple qui sera corrigé informatiquement.

- 1) Pour remplir ce QCM, vous devez utiliser un stylo à bille ou feutre à encre foncée noire. Vous devez **cocher** la case en vue de la lecture informatisée de votre QCM.
- 2) Utilisez le sujet comme brouillon (ou les feuilles de brouillons qui vous sont fournies à la demande par le (la) surveillant(e) qui s'occupe de votre rangée) et ne retranscrivez vos réponses qu'après vous être relu soigneusement.
- 3) Votre QCM ne doit pas être souillé, froissé, plié, écorné ou porter des inscriptions superflues, sous peine d'être rejeté informatiquement et de ne pas être corrigé.
- 4) Si vous voulez **modifier** votre réponse, n'utilisez pas de correcteur mais indiquez la nouvelle réponse sur la 2<sup>ème</sup> ligne.
- 5) Si vous voulez **annuler** votre réponse, vous devez cocher la case « An ». Dans ce cas-là, **aucune** réponse ne sera prise en compte.
- 6) Cette épreuve comporte 80 questions. Vous devez donc porter vos réponses sur les lignes numérotées de 1 à 80. Veillez à bien porter vos réponses sur la ligne correspondant au numéro de la question.

Pour chaque ligne numérotée de 1 à 80, vous vous trouvez en face de 2 possibilités :

► soit vous décidez de ne pas traiter cette question,  
*la ligne correspondante doit rester vierge*

► soit vous décidez de traiter cette question :  
*vous devez cocher l'une des cases A, B, C, D, E*



## Complétez les phrases à l'aide des mots ou groupes des mots proposés.

1. I have never been there before, but I would like \_\_\_\_\_ there one day.

**A: to have go    B: going    C: to going    D: to go    E: go**

2. I considered \_\_\_\_\_ for the job, but in the end, I decided against it.

**A: running    B: to run    C: to apply    D: attempting    E: applying**

3. The journalist refused to reveal her sources, stating that she was bound \_\_\_\_\_ professional ethics.

**A: with    B: to    C: by    D: for    E: under**

4. Had the warning signs been taken seriously, the accident \_\_\_\_\_ avoided altogether.

**A: would be    B: will have been    C: could have been    D: might be    E: should have**

5. He was promoted, not only because of his technical skills, but also because he consistently went \_\_\_\_\_ and beyond what was expected of him.

**A: over    B: above    C: further    D: higher    E: extra**

6. We all got wet in the rain because \_\_\_\_\_ had an umbrella.

**A: none of them    B: none    C: not one of them    D: none of us    E: not one**

7. What is the name of the person \_\_\_\_\_ car you are using?

**A: whom    B: whose    C: which    D: that    E: who**

8. He was quick to point out that the mistake was not entirely his fault, subtly shifting the \_\_\_\_\_ onto his colleagues.

**A: pressure    B: blame    C: duty    D: obligation    E: cause**

9. Rarely \_\_\_\_\_ such a powerful performance from an actor so early in their career.

**A: we see      B: do we see      C: we saw      D: should we see      E: that we see**

10. She dismissed the comment as unimportant, arguing that it had little \_\_\_\_\_ to the issue under discussion.

**A: link      B: relation      C: relevance      D: reference      E: connect**

11. The weather was beautiful on Sunday. It was a lot better than \_\_\_\_\_.

**A: we expect      B: we had expected      C: we were expect      D: we expecting      E: we have expected**

12. The exhibition was widely praised, though some critics felt it fell \_\_\_\_\_ of its ambitious aims.

**A: below      B: behind      C: short      D: apart      E: away**

13. His refusal to apologize was seen by many as an attempt to save \_\_\_\_\_ rather than admit responsibility.

**A: dignity      B: respect      C: reputation      D: pride      E: face**

14. Had it not been for the teacher's encouragement, he \_\_\_\_\_ pursued his interest in science any further.

**A: wouldn't have      B: won't have      C: didn't      D: wouldn't      E: hasn't**

15. Only after reading the final chapter \_\_\_\_\_ how carefully the novel had been structured.

**A: she realized      B: did she realise      C: she did realise      D: had she realise      E: she had realized**

16. He found it difficult to keep up with the discussion, as many of the references were completely \_\_\_\_\_ to him.

**A: strange      B: weird      C: unfamiliar      D: unusual      E: odd**

17. The festival was cancelled at the last minute, much to the disappointment of those who had travelled a long way \_\_\_\_\_ it.

**A: for attending      B: to attend      C: attending      D: attend      E: for attend**

18. The athlete's recovery was slower than expected, partly because he had pushed his body \_\_\_\_\_ its limits for so long.

**A: beyond    B: further    C: above    D: outside    E: through**

19. It is widely believed that the painting was created \_\_\_\_\_ the artist was still in his early twenties.

**A: during    B: while    C: as soon as    D: until    E: since**

20. The speaker managed to get his point across despite being repeatedly \_\_\_\_\_ by questions from the audience.

**A: disturbed    B: distracted    C: interrupted    D: delayed    E: prevented**

### Text 1 (Questions 21 - 25)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte. Choisissez la meilleure option possible.

#### Study finds 10% of over-70s in UK could have Alzheimer's-like changes in brain.

One in 10 people in the UK aged 70 and older could have Alzheimer's-like changes in their brain, according to the clearest, real-world picture of how common the disease's brain changes are in ordinary, older people.

The detection of the proteins linked with the disease is not a diagnosis. But the findings indicate that more than 1 million over-70s would 21) \_\_\_\_\_ the clinical criteria for anti-amyloid therapy – a stark contrast to the 70,000 people the NHS has estimated could be eligible if funding were available.

Experts, including those from Alzheimer's Research UK, have said the findings from the first-ever population-based research into the disease have huge 22) \_\_\_\_\_ for early and accurate diagnosis.

"High-quality studies like this are crucial 23) \_\_\_\_\_ enhancing our understanding of how blood tests for Alzheimer's could be used in clinical practice," said David Thomas, the head of policy and public affairs at Alzheimer's Research UK. "We need to generate more evidence so we can use these tests in the NHS."

The lead author of the research, conducted by King's College London, Stavanger University hospital and the University of Gothenburg, said the findings could be a "game-changer in the understanding of the disease", 24) \_\_\_\_\_ that they may significantly alter future approaches to diagnosis.

The findings also challenge some long-held assumptions about dementia, including the idea that it is mainly a disease that 25) \_\_\_\_\_ women.

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|-----|-------------|----------------|--------------|-------------|---------------|
| 21. | A: reach    | B: complete    | C: answer    | D: meet     | E: succeed    |
| 22. | A: ability  | B: opportunity | C: potential | D: prospect | E: likelihood |
| 23. | A: for      | B: by          | C: at        | D: to       | E: with       |
| 24. | A: implying | B: resulting   | C: assuming  | D: deducing | E: assuring   |
| 25. | A: attacks  | B: targets     | C: strikes   | D: involves | E: affects    |

## Text 2 (Questions 26 - 30)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte. Choisissez la meilleure option possible.

### Activists celebrate 'landmark' animal welfare reforms to ban hen cages and pig crates.

In its animal-welfare strategy, branded "the most ambitious welfare reforms in a generation", the government is setting out an overhaul of laws on farm animals, pets and wildlife, 26) \_\_\_\_\_ to address longstanding concerns raised by animal rights groups.

Campaigners say that more than 9 million pigs every year could be spared agonizing deaths in carbon dioxide chambers, under proposals to rethink a practice that has, 27) \_\_\_\_\_, been criticized as both outdated and inhumane.

Farmers will be required to phase out pig crates and colony cages for laying hens, systems which restrict movement and prevent animals 28) \_\_\_\_\_ in ways that reflect their natural behavior.

The strategy also includes plans for "humane slaughter requirements for farmed fish", a measure intended not only to reduce suffering but also to ensure that welfare standards are applied 29) \_\_\_\_\_ different species.

Meanwhile, proposals to promote the use of slow-growing meat chicken breeds are designed to benefit the 1.1 billion so-called "frankenchicken" incubators, which are genetically engineered to grow at such a rapid pace that their limbs and organs often 30) \_\_\_\_\_.

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|-----|-------------------|-------------------|--------------------|-----------------|--------------------|
| 26. | A: with a view    | B: aimed          | C: designing       | D: in an effort | E: ordering        |
| 27. | A: in a long time | B: over the years | C: in the long run | D: by now       | E: before long     |
| 28. | A: to behave      | B: from behave    | C: from behaving   | D: behaviour    | E: to have behaved |
| 29. | A: regardless of  | B: in contrast to | C: in line with    | D: in favour of | E: in respect of   |
| 30. | A: give way       | B: fall apart     | C: fail            | D: function     | E: break           |

### Text 3 (Questions 31 - 40)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte. Choisissez la meilleure option possible.

#### AI boom has caused same CO2 emissions in 2025 as New York City, new report claims.

The AI boom has caused as much carbon dioxide to be released into the atmosphere in 2025 as emitted by the whole of New York City, it has been claimed, 31) \_\_\_\_\_ concerns about the environmental cost of rapidly 32) \_\_\_\_\_ digital technologies. The global impact of the technology has been estimated in research published on Wednesday, which also found that AI-related water use now exceeds the entirety of global bottled-water demand.

The figures were 33) \_\_\_\_\_ Dutch academic Alex de Vries-Gao, the founder of Digiconomist, a company that researches the unintended consequences of digital trends. He said this was the first attempt to measure the specific 34) \_\_\_\_\_ of artificial intelligence, rather than data-centers more broadly, as the use of chatbots 35) \_\_\_\_\_ ChatGPT and Google's Gemini surged in 2025.

The findings show that greenhouse gas emissions linked to AI are now 36) \_\_\_\_\_ more than 8% of global aviation emissions. De Vries-Gao 37) \_\_\_\_\_ technology companies' own reporting and argued that 38) \_\_\_\_\_ requirements were needed to ensure firms were more transparent 39) \_\_\_\_\_ their climate impact.

"The environmental cost of this is substantial in absolute terms," he said. "At present, society is bearing these costs, rather than the tech companies themselves. If corporations are 40) \_\_\_\_\_ the convenience of this technology, why should they not also shoulder part of the burden?"

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|-----|----------------|---------------------|--------------------|------------------|------------------|
| 31. | A: raising     | B: bringing out     | C: setting off     | D: pointing out  | E: calling on    |
| 32. | A: increasing  | B: expanding        | C: multiplying     | D: amplifying    | E: enlarging     |
| 33. | A: compiled to | B: compiled in      | C: compiled at     | D: compiled from | E: compiled by   |
| 34. | A: impact      | B: repercussion     | C: weight          | D: importance    | E: surge         |
| 35. | A: as          | B: as like          | C: much as         | D: such as       | E: equivalent    |
| 36. | A: comparable  | B: equivalent with  | C: equal as        | D: similar with  | E: equivalent to |
| 37. | A: relied on   | B: relied to        | C: relied with     | D: relied at     | E: relied        |
| 38. | A: heavier     | B: more complicated | C: stricter        | D: strict        | E: more stricter |
| 39. | A: about       | B: to               | C: for             | D: of            | E: with          |
| 40. | A: taking from | B: gaining to       | C: benefiting from | D: profiting of  | E: drawing to    |

#### Text 4 (Questions 41 - 50)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte. Choisissez la meilleure option possible.

#### Denmark and Greenland demand respect for borders.

The prime ministers of Denmark and Greenland have demanded respect for their borders after president Trump 41) \_\_\_\_\_ a special envoy to the largely self-governing Danish territory.

Donald Trump, on Sunday, agreed that the governor of Louisiana, Jeff Landry, 42) \_\_\_\_\_ the US special envoy to the vast, mineral-rich Arctic island. The US president has 43) \_\_\_\_\_ several occasions said the US needs to acquire Greenland for security reasons, while refusing to rule out the use of 44) \_\_\_\_\_.

The US president wrote on social media: "Jeff understands how essential Greenland is to our National Security, and 45) \_\_\_\_\_ strongly advance our Country's Interests for the safety, security, and survival of our allies, and indeed, the world." Landry, a former state attorney general who 46) \_\_\_\_\_ office as Louisiana governor in January 2024, thanked Trump, saying it was "an honor to serve you in this volunteer position 47) \_\_\_\_\_ Greenland a part of the US".

Denmark's foreign minister, Lars Løkke Rasmussen, told Danish television on Monday he would 48) \_\_\_\_\_ Washington's ambassador to Copenhagen, Ken Howery, to the ministry in the coming days "to get an explanation".

Rasmussen said he was "deeply upset by this appointment of a special envoy", and "particularly upset" by Landry's statement, which he said Denmark had found "completely 49) \_\_\_\_\_". He added: "As long as we have a kingdom in Denmark that consists of Denmark, the Faroe Islands and Greenland, we cannot accept that there are those who undermine our 50) \_\_\_\_\_."

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|-----|-----------------|-----------------|----------------|-----------------|-----------------|
| 41. | A: voted        | B: positioned   | C: appointed   | D: declared     | E: elected      |
| 42. | A: has become   | B: had become   | C: became      | D: becoming     | E: would become |
| 43. | A: on           | B: by           | C: with        | D: to           | E: at           |
| 44. | A: force        | B: menace       | C: assault     | D: attack       | E: conflict     |
| 45. | A: has          | B: would have   | C: could have  | D: will         | E: will have    |
| 46. | A: takes        | B: took         | C: has taken   | D: has took     | E: taken        |
| 47. | A: to make      | B: to made      | C: made        | D: to have made | E: for making   |
| 48. | A: encourage    | B: demand       | C: force       | D: summon       | E: push         |
| 49. | A: unacceptable | B: awful        | C: intolerable | D: shameful     | E: offensive    |
| 50. | A: law          | B: jurisdiction | C: sovereignty | D: control      | E: power        |

## Text 5 (Questions 51 - 60)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte. Choisissez la meilleure option possible.

### Carmakers sour on EU's 'disastrous' petrol engine rule changes

The car industry has rejected the EU's plan 51) \_\_\_\_\_ the 2035 ban on combustion engines as details have become clearer, with some executives warning that the "disastrous" changes 52) \_\_\_\_\_ more expensive vehicles.

Brussels said on Tuesday it would 53) \_\_\_\_\_ a law forcing carmakers to cut their 54) \_\_\_\_\_ to zero by 2035. While carmakers 55) \_\_\_\_\_ to carry on releasing 10 per cent of their 2021 emissions and to continue selling some petrol engines and hybrids, the European Commission has mandated that the emissions be offset by using low-carbon steel and sustainable fuels.

Although it was initially 56) \_\_\_\_\_ by some carmakers, many companies said the offsets would be too challenging to bring 57) \_\_\_\_\_ since the required use of green steel and "made in Europe" content in vehicles would be complex and expensive.

"In times when European economic strength is crucial, this entire package from Brussels is disastrous," said Hildegard Müller, president of the German car lobby VDA. "What appears to be greater openness is fraught with so many 58) \_\_\_\_\_ that it risks remaining ineffective in practice."

Stellantis, the European group behind the Jeep, Fiat and Peugeot brands, said the proposals 59) \_\_\_\_\_ to address the challenges in the electric transition for light commercial vehicles and did not include enough flexibility to meet emissions 60) \_\_\_\_\_ in 2030.

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|-----|-------------------|-------------------|------------------|--------------------|--------------------|
| 51. | A: to help        | B: to ease        | C: to assist     | D: to facilitate   | E: to appease      |
| 52. | A: will arrive to | B: should lead    | C: shall lead to | D: would lead to   | E: would arrive to |
| 53. | A: trash          | B: scrap          | C: scale         | D: scratch         | E: strike          |
| 54. | A: pollution      | B: gas            | C: consumption   | D: emissions       | E: output          |
| 55. | A: can allow      | B: can be allowed | C: would allow   | D: will be allowed | E: should allow    |
| 56. | A: welcomed       | B: agreed         | C: acceptable    | D: reject          | E: allowed         |
| 57. | A: up             | B: out            | C: in            | D: through         | E: along           |
| 58. | A: boundaries     | B: problem        | C: possibilities | D: obstacles       | E: difficulty      |
| 59. | A: are failed     | B: had fail       | C: have failed   | D: failure         | E: is failing      |
| 60. | A: aims           | B: targets        | C: figures       | D: dreams          | E: results         |

## Text 6 (Questions 61 - 70)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte. Choisissez la meilleure option possible.

### Figures reveal stark reality of US funding cuts as 1,394 family planning clinics shut

A survey by the world's largest network for sexual and reproductive health shows devastation to services, particularly in Africa and the Middle East, and an 61) \_\_\_\_\_ of anti-rights voices. Cuts to US aid funding have directly 62) \_\_\_\_\_ to the closure of more than 1,000 family planning clinics, new figures shared with the media reveal.

Millions of people have been left without access to contraceptives or care, including those who have suffered sexual assault, as part of a "radical shift 63) \_\_\_\_\_ conservative ideologies that deliberately block human rights", according to the International Planned Parenthood Federation (IPPF).

A survey of its member associations found that approximately 1,394 service delivery points, or clinics, have been shut 64) \_\_\_\_\_, including 1,175 in Africa, and that 34 had laid off staff as a result of the U.S administration's cuts, 65) \_\_\_\_\_ at least 969 job losses.

Campaigners say the cuts have 66) \_\_\_\_\_ anti-rights groups, reporting a rise in rhetoric opposing abortion and access to contraception for teenagers. Africa and the Middle East were most affected by the clinic 67) \_\_\_\_\_, often in areas where they were people's only option, the IPPF said. It 68) \_\_\_\_\_ that 9 million people worldwide are affected.

According to campaigners, the withdrawal of funding has not only reduced services but has also contributed to a climate 69) \_\_\_\_\_ opposition to reproductive rights is increasingly vocal. They warn that unless funding is restored, the consequences are likely to 70) \_\_\_\_\_ in the coming years.

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|-----|-----------------|-------------------|----------------|---------------|--------------|
| 61. | A: improvement  | B: amplification  | C: expanse     | D: escalation | E: growth    |
| 62. | A: resulted     | B: caused         | C: led         | D: contribute | E: brought   |
| 63. | A: for          | B: through        | C: towards     | D: with       | E: about     |
| 64. | A: out          | B: down           | C: off         | D: about      | E: through   |
| 65. | A: amounting to | B: resulting with | C: leading up  | D: total      | E: adding up |
| 66. | A: allowed      | B: encourage      | C: made strong | D: emboldened | E: raised    |
| 67. | A: shut         | B: shut out       | C: close       | D: closing    | E: closures  |
| 68. | A: predict      | B: estimates      | C: counts      | D: assume     | E: assesses  |
| 69. | A: which        | B: where          | C: when        | D: that       | E: whose     |
| 70. | A: improve      | B: scale up       | C: worsen      | D: deepen     | E: increase  |

## Text 7 (Questions 71 - 80)

Lisez le texte suivant. Complétez chaque blanc à l'aide des mots ou groupes de mots proposés à la fin du texte.

### Blood test could predict who is at risk from inherited heart condition

Millions of people worldwide have hypertrophic cardiomyopathy (HCM), a disease of the heart muscle where the wall of the heart becomes thickened. It is caused by a change in one or more genes and is mostly passed on 71) \_\_\_\_\_ families.

Some feel fine most of the time and have few or no symptoms. But others can suffer complications, such as heart failure and abnormal heart rhythms, which can 72) \_\_\_\_\_ to a cardiac arrest. The problem is that there is no cure. Doctors also do not know which patients with the genetic condition are most 73) \_\_\_\_\_ risk from deadly complications. But now a team of scientists from universities including Harvard and Oxford have found a way to 74) \_\_\_\_\_ risk for people living with HCM. The blood test could identify those patients most in danger of complications, 75) \_\_\_\_\_ them to be monitored more closely or receive life-saving treatment.

In a landmark study, the team measured the levels of a protein, N-terminal Pro-B-type natriuretic peptide (NT-Pro-BNP), in the blood of 700 HCM patients. Those with the highest levels had poorer blood 76) \_\_\_\_\_, more scar tissue and changes in their heart which could lead to atrial fibrillation or heart failure. A blood test measuring NT-Pro-BNP could 77) \_\_\_\_\_ the care of millions of people with the world's most common inherited heart condition.

The study leader, Prof Carolyn Ho, the medical director of the cardiovascular genetics centre at Harvard Medical School, said the test could help "target the right therapies to the right patients at the right time". Experts say the 78) \_\_\_\_\_ represent a major 79) \_\_\_\_\_ in efforts to personalize treatment for people with inherited heart disease. Further research will be needed before the test can be 80) \_\_\_\_\_ widely in clinical practice.

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|-----|------------------|-----------------|-----------------|--------------|----------------|
| 71. | A: to            | B: into         | C: from         | D: within    | E: across      |
| 72. | A: result        | B: cause        | C: bring        | D: lead      | E: give        |
| 73. | A: under         | B: at           | C: on           | D: in        | E: for         |
| 74. | A: predict       | B: estimate     | C: assume       | D: visualize | E: see         |
| 75. | A: letting       | B: agreeing     | C: enabling     | D: advising  | E: causing     |
| 76. | A: running       | B: direction    | C: stream       | D: movement  | E: flow        |
| 77. | A: revolutionize | B: help         | C: increase     | D: influence | E: support     |
| 78. | A: find          | B: findings     | C: discovery    | D: reveal    | E: case        |
| 79. | A: step          | B: breakthrough | C: update       | D: progress  | E: improvement |
| 80. | A: executed      | B: fulfilled    | C: administered | D: introduce | E: implemented |