Sujet zéro n°2

**BTS SERVICES INFORMATIQUES AUX ORGANISATIONS**
**Sous-épreuve E12- Expression et communication en langue anglaise**
**Session 2021**

Coefficient 1

Durée maximale de l'épreuve : 20 minutes
Préparation : 20 minutes

**Déroulement de l'épreuve :**

1) Expression orale en continu (5 minutes maximum)

   Présentation en anglais de l'analyse du dossier

2) Expression orale en interaction (15 minutes maximum)

   Échange en anglais avec l'examinateur à partir de l'analyse du dossier et des réponses apportées au questionnement accompagnant la mise en situation

**L'usage d'un dictionnaire n'est pas autorisé.**

**Composition du dossier du candidat**

| | |
|---|---|
| **Document A** | **Texte :** Green computing: improving the energy efficiency of your IT |
| **Document B** | **Vidéo** : Mission : Green computing (1'28) |
| **Document C** | **Infographie** : Green-computing experience report and best practices |
| **Mise en situation et questionnement** | |

*Ce sujet comporte 3 pages. Il est conseillé au candidat de vérifier que le sujet est complet.*

**DOSSIER DU CANDIDAT : Green Computing**

**Document A**

## Green computing

[…]

**Improving the energy efficiency of your IT**

Old PCs are often significantly less efficient than modern devices – not only in performance and cost – but energy as well. As your equipment ages, part of the reason it becomes slower and less reliable is also why it uses more power and energy. Outdated parts and insufficient memory mean your computer is constantly required to work harder, which in turn uses more energy. Even the accumulation of dust can damage components and cause your device to overheat, meaning more power is needed for cooling.

By upgrading your equipment every 4 years, you not only enjoy enhanced security and performance benefits, but you can help lower your carbon footprint. With modern devices, time and money isn't wasted on costly repairs and maintenance and components such as batteries, memory and storage will have a higher capacity. As technology evolves at such a pace, the equipment you bought 5 years ago likely can't handle new software or programmes, and so will have to utilise more energy to run.

Portable devices with productivity and team working tools not only help to create a more agile and collaborative learning environment, but they can play a huge role in cutting down your carbon footprint. Comparatively, laptops consume as much as 80% less power than their desktop counterparts as the power supplies are considerably less intense.

Utilising cloud-based software and subscription services can also help improve the energy efficiency of your PCs, as these reduce the amount of storage required which in turn means less power that the device needs to run.

[…]

www.stonegroup.co.uk 2020

**Document B**

**Mission: Green computing**

www.supermicro.com 2018 (1'28)

**Document C**

**Green-computing experience report and best practices**, International Journal of Engineering Trends and Applications, 2016


**MISE EN SITUATION**

You are an IT Technician. Your company wants to comply with current sustainable development standards.
The managing director has asked you and your team for advice and solutions.

**QUESTIONNEMENT**

- Why should green computing be a priority for companies?
- How can a company embrace green computing and improve its practices?