

<b>Ministère de l'Enseignement Supérieur, de la Recherche et de l'Innovation Technologique</b> <i>Office du Baccalauréat, des Equivalences et des Examens et Concours du Supérieur (OBEECS)</i> <i>Etablissement Public à Caractère Administratif</i> <b>Session : 2024</b>	<b>SUJET DE :</b> Anglais	<b>1<sup>er</sup> Groupe</b>
	<b>SERIE/SPECIALITE :</b> C, D, E	
	<b>Coefficient :</b> 2	<b>Durée :</b> 3H

## I. Linguistic Competence (10pts)

### A. Rewrite the sentences with the correct verb forms. (1x5=5pts)

1. It is worth *to spend / spending* money on these new trucks.
2. I think there is no point in *use / using* this video system in the warehouse.
3. It would be nice *to test / testing* our new equipment on Monday
4. The customer is interested in *receive / receiving* the cargo as soon as possible.
5. I am getting used to *study / studying* hard.

### B. Ask a question on each of the underlined words or group of words (1x5=5pts)

1. In the past, trains were powered by coal energy.
2. People use electric current in their daily activities.
3. The electric current is created by electrons
4. In a series circuit, each bulb will receive the same electrical charge.
5. Engineers have to know the best materials to use.

## II. Reading (5pts)

### Read the text and answer the questions.

#### Surveillance Drones

Surveillance drones or Unmanned Aerial Systems (UASs) raise significant issues for privacy and civil liberties. Drones are capable of highly advanced surveillance, and drones already in use by law enforcement can carry various types of equipment including live-feed video cameras, infrared cameras, heat sensors, and radar. Some military versions can stay in air for hours or days at a time, and their high-tech cameras can scan entire cities, or alternatively, zoom in and read a milk carton from 60,000 feet (more than 18km). They can also carry wifi crackers and fake cell phone towers that can determine your location or intercept your texts and phone calls.

Drone manufacturers even admit they are made to carry “less lethal” weapons such as tear gas<sup>1</sup> or rubber bullets<sup>2</sup>.

Thanks to a provision in the Federal Aviation Administration (FAA) Modernization and Reform Act of 2012, drone use in the United States is set to expand rapidly over the next few years. The Act includes provisions to make the licensing process easier and quicker for law enforcement, and by 2015, commercial entities will also be able to apply for a drone authorization.

In January 2012, Electronic Flight Folder (EFF) sued the FAA under the Freedom of Information Act to determine which public and private entities had applied for authorization to fly drones. In response to the lawsuit, the FAA has released lists of the 60 public entities and 12 private drone manufacturers that have sought permission to fly drones in the US. The agency has also released several thousand pages of records related to the entities’ drone license applications.

As the numbers of entities authorized to fly drones accelerates in the coming years—the FAA estimates as many as 30,000 drones could be flying in US skies by 2020—EFF will continue to push for transparency in the drone authorization process and work to ensure the privacy of all Americans is protected.

**FOOTNOTES :**

tear gas<sup>1</sup>= gaz lacrymogène; rubber bullets<sup>2</sup> = balles en caoutchouc

**Questions**

1. All drones can stay in air for hours or days at a time. (true or false)
2. Drones have the capacity of determining an individual’s location or intercepting his texts and phone calls. (true or false)
3. What will explain the rapid expansion of drone use in the United States over the next years?
4. Which US institution authorizes drones to fly?
5. Why does this institution want to have an eye on the numbers of issued drones flying authorizations?

**III. Writing (5pts)**

**Write a paragraph of about 150 words about this topic.**

We all see that technology is making a lot of progress nowadays. However, does this mean that drones will definitely replace humans in the aviation system one day?