| **PROVES D'ACCÉS A LA UNIVERSITAT** | PRUEBAS DE ACCESO A LA UNIVERSIDAD |
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| **CONVOCATÒRIA: JUNY 2019** | CONVOCATORIA: JUNIO 2019 |
| **Assignatura: ANGLÉS** | Asignatura: INGLÉS |

**Please answer on a separate sheet of paper**

## OPCIÓ A/OPCIÓN A

**Part A. Reading Comprehension**
**Read the following text:**

### GARBAGE COLLECTION IN SPACE

Space junk circling our planet is a growing problem as more spacecrafts are sent up into orbit, increasing the dangers of a collision. Some of the debris is natural, such as small portions of meteoroid, and some of it is artificial, such as the pieces of material leftover from old probes and rockets. It is estimated that there are more than 20,000 pieces of artificial debris each larger than a baseball floating around Earth, all traveling at tremendous speeds.

They travel up to 17,500 miles per hour, in fact, fast enough that a small nugget could wreck sensitive structures. Luckily, there haven't been many catastrophic crashes with cosmic garbage, but a few windows on space shuttles have had to be replaced due to damage caused by debris as small as bits of paint.

The European Commission has funded a number of projects promising to clean up space junk. The RemoveDEBRIS apparatus developed by researchers from Airbus and the University of Surrey in England is just one of them.

RemoveDEBRIS successfully caught a lump of space trash – specifically, a no longer needed small human made satellite – using a net. This mechanism is hoped to form the basis of future nets that will sweep up space litter around Earth, clearing the way for safer launches.

The next phase is to catch another human made satellite, but this time using cameras and LiDAR technology to target objects with better precision, and a special harpoon to capture them. A drag-sail will also bring the debris back into Earth's atmosphere to be destroyed.

Adapted from an article by Katyanna Quach, *The Register*, 19-09-2018

**I. Answer the following questions using your own words but taking into account the information in the text. (2 points: 1 point each)**

a. Why is space garbage steadily increasing?
b. What was RemoveDEBRIS able to do?

**II. Are the following statements true (T) or false (F)? Identify the part of the text that supports your answer by copying the exact passage on the answer sheet. (1.5 points: 0.5 each)**

a. Only the largest pieces of debris can cause damage.
b. Space debris has never crashed with space shuttles.
c. RemoveDEBRIS is the result of research carried out by two partners.

**III. Find a synonym for each of the four words below from these six options. (1 point: 0.25 each)**

***dangers*** ***debris*** ***wreck*** ***sensitive*** ***sweep*** ***launches***

a. risks
b. delicate
c. clean
d. damage

**IV. Choose a, b, or c, in each question below. Only one choice is correct. (1.5 points: 0.5 each)**

1. Meteoroids...
a) leave natural debris.
b) leave artificial debris.
c) are usually larger than baseballs.

2. Debris runs so fast that very small pieces...
a) cannot cause damage.
b) can cause damage.
c) are sensitive structures.

3. RemoveDEBRIS...
a) was based on a human made satellite.
b) was based on net technology.
c) used a net and a harpoon to capture space trash.

**Part B. Composition (130 to 150 words approximately) (4 points)**

What can we do to reduce electronic waste?