

**DEVOIR DE FIN DE SEMESTRE N°1**

**PART ONE: READING COMPREHENSION: (18 pts.)**

**I/ Which idea is NOT dealt with in the text? (1pt)**

- 1) The UAE space mission will set off in the upcoming years.
- 2) The UAE team has already launched the probe to the red planet.
- 3) The project aimed at having a good reputation worldwide.
- 4) Omran Sharaf has much work to do.

**II/ Complete the table on the answer sheets about Mars mission :( 2.5pts)**

**III/Answer the following questions with reference to the text :( 2.5pts)**

- 1) How can the UAE scientists achieve the mission's main goal?
- 2) What is the main message Sharaf wants to send to humanity?

**IV/ Indicate whether the following statements are True or False. Justify with details from the text :( 4pts)**

- 1) Sharaf believes that the Emirate's space mission is a must for the nation.
- 2) Sharaf and Amiri are experienced engineers.
- 3) The project's funds are highly restricted.
- 4) It is the first time that the Middle East contributes to the world's scientific advances.

**V/ Complete the sentences on the answer sheets with reference to the text :( 3pts)**

**VI/ Find in the text a sentence illustrating the following idea :( 1pt)**

Space exploration can destroy all the frontiers of social, racial and tribal discriminations.

**VII/Find in the text words having these meanings :( 2pts)**

- 1) achievable (§1)
- 2) buy (§4)
- 3) precious and extremely useful (§5)
- 4) hung (§6)

**VIII/ What do the underlined words in the text refer to? :( 2pts)**

- 1) It (§2)
- 2) which (§4)
- 3) when (§5)
- 4) where (§6)

## **PART TWO: LANGUAGE: (10pts)**

### **TASK ONE: Choose the right alternative: (5 pts)**

A new study provides the first experimental (1) (event /evidence / testimony) that the negative effects of playing violent video games can accumulate over time. Researchers found that people (2) (whose / who / whom/ played a violent video game for three consecutive days showed increases in (3) (aggressive / aggressing/ aggressed) behavior and hostile expectations each day they played. (4) (When /Meanwhile / Henceforth), those who played nonviolent games showed no meaningful changes in aggression or hostile expectations over that period. Although other experimental studies (5) (are showing / will show / have shown) that a single session of playing a violent video game increased short-term aggression, this is the first to show (6) (length / longer/longest) -term effects, said Brad Bushman, co-author of the study and professor of communication and psychology at Ohio State University. "Playing video games could (7) (compare / compared / be compared) to smoking cigarettes. A single cigarette won't (8) (cause / lead /announce) lung cancer, but smoking over weeks or months or years greatly increases the risk. In the same way, repeated (9) (exposing /exposed / exposure) to violent video games may have a cumulative effect (10) (in / on / of ) aggression."

### **TASK TWO: Express differently starting as given on the answer sheets: (5pts)**

- 1) The state is encouraging farmers to increase production.
- 2) I slept well although they played music loudly.
- 3) Unless he has permission from his parents, he won't travel alone.
- 4) The doctor admitted: "the patient was seriously ill yesterday."
- 5) Peter is very weak. He can't work on the farm like his brother.

## **PART THREE: WRITING: (12pts)**

### **A/ Reordering: (2pts)**

#### **Reorder the following sentences and sentence parts to get a coherent paragraph.**

- a) to entice consumers directly online, using tools such as digital coupons, social media marketing .
- b) The benefits of e-commerce include its around-the-clock availability, the speed of access, the wide availability of goods and services
- c) E-commerce is conducted using a variety of applications, such as email, online catalogs and shopping carts,
- d) for the consumer, easy accessibility, and international reach.

**B/ Mistake correction: (2pts)**

**Correct the mistakes in the following sentences. (There is one mistake in each sentence).**

- 1) Our smartphones have become an ever more part intrinsic of our lives.
- 2) Using technologie to improve the human condition is nothing new.
- 3) In the 350 million users on Facebook, 67% of their are between the ages of 13 and 25.
- 4) Excessive tech and internet use can create independence and addiction, neurologically and physically.

**C/ Essay: (8pts)**

It is widely acknowledged that Facebook **negatively** affects young people's lives.

Develop this idea in a 15-line essay.

## Emirates space mission hopes to launch new era in Middle East

1. If all goes well, the United Arab Emirates will have a space probe orbiting Mars by 2021. As the 32-year old man leading the Emirates Mars Mission, Omran Sharaf has a lot on his plate. "It's the first time we go to Mars," he says. "It's something we have to do if we want to progress and move forward. If we can reach Mars, all challenges for the nation should be doable."

2. After a feasibility study that began in late 2013, the team had 90 days after the announcement to come up with a mission plan. Built from aluminium and sporting a star tracker as well as an array of solar panels and thrusters, the probe will be the size of a small car. It will include imaging equipment and ultraviolet and infrared spectrometers that will help scientists understand the dynamics and climates of the different layers of the atmosphere of Mars, the proportion of various elements and compounds in the atmosphere, and the mechanism by which hydrogen and oxygen escape into space. The mission is set to last for at least two years.


3. Sarah Amiri, the 29-year-old head of the science team, says the aim of the Mars mission is to understand the planet's evolution. "Understanding that evolution and how the loss of water, is very important for humanity's understanding of the evolution of Earth itself," she says.

4. Both Sharaf and Amiri are engineers and veterans of the country's nascent space programme, having been involved in the launches of Dubai Sat 1 and 2, which were developed and launched with South Korea. In fact, Sharaf says the project's budget is tight and the team is not allowed to purchase parts from commercial manufacturers such as Airbus or Boeing.

5. While the assembly of the probe, its integration and testing will all be carried out in facilities in Dubai, the teams are working with scientists and academics at some universities in the United States on designing the spacecraft, software development and equipment requirements. The idea is for the team to learn from their academic partners and bring the knowledge back to the UAE for the spacecraft assembly." At the end of the day; we are not reinventing the wheel" says Sharaf. "We are going to build our system and our mission around what has been achieved before. When we've done with our mission, people are going to build on what we have achieved" The team also has a more aspirational goal, one tied to the Middle East's history as the House of Wisdom and the golden age of scientific discovery, when the region was the world's centre of learning and produced valuable contributions to medicine, mathematics and astronomy.

6. Sarah Amiri thinks that space is very humbling. She and Sharaf recall the metaphor coined by the renowned American scientist Carl Sagan, who described the Earth as a "pale blue dot suspended in a sunbeam" when observed from far away in the solar system, where the boundaries of class, religion and ethnicity disappear. "It makes you think more about putting our differences aside and treating each other as humans and one species," Sharaf says.

Adapted from The Guardian, Feb. 22, 2017

<b>INSTITUT PREPARATOIRE AUX ETUDES D'INGENIEUR DE SFAX</b>		<b>A.U. : 2017/2018</b> <b>Niveau : 1ère année</b> <b>Epreuve : Anglais</b> <b>Durée : 2 heures</b> <b>Nom:.....</b> <b>Prénom:.....</b> <b>Groupe:.....N°/Place:.....</b> <b>Identifiant:.....Salle:.....</b>
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**DEVOIR DE FIN DE SEMESTRE N°1**

**(ANSWER SHEETS)**

**PART ONE: READING COMPREHENSION (18pts)**

**I/ The idea which is not dealt with in the text: (1pt)**

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**II/ Table completion :( 2.5pts)**

**Mars mission**

<b>Duration</b>	From.....to.....
<b>Vehicle</b>	.....
<b>Equipment</b>	a)..... b).....
<b>The ultimate scientific aim</b>	.....

**III/ Answers: (2.5pts)**

1) a).....

b).....

c).....

2) .....

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**IV/ True or False statements: (4pts)**

1) (        ).....

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2) (        ).....

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3) (        ).....

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4) (        ).....

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**V/ Sentence completion: (3pts)**

1) The idea behind the team's work with American academics on .....

....., ..... and .....

.....is not only to .....

.....but also .....

2) Sharaf argues that while preparing for the mission the Emirate's team is going to take advantage of the others' achievements; likewise.....

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**VI/ The sentence illustrating the idea: (1pt)**

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**VII/ Vocabulary items: (2pts)**

1).....

2).....

3).....

4).....

**VIII/ References: (2pts)**

1).....

2).....

3).....

4).....

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**PART TWO: LANGUAGE:(10pts)**

**TASK ONE: (5pts)**

1)	6)
2)	7)
3)	8)
4)	9)
5)	10)

**TASK TWO :( 5pts)**

- 1) Farmers.....
- 2) Despite.....
- 3) If.....
- 4) The doctor admitted that.....
- 5) He is not .....

**PART THREE: WRITING (12pts)**

**A/ Reordering: (2pts)**

1) .....	2) .....	3) .....	4) .....
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**B/ Mistake correction: (2pts)**

mistake	correction	mistake	correction
1).....	1) .....	3).....	3) .....
2).....	2) .....	4).....	4) .....

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C/ Essay: (8pts)

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