



الجمهورية الجزائرية الديمقراطية الشعبية

الديوان الوطني للامتحانات والمسابقات

دورة: جوان 2015

وزارة التربية الوطنية

امتحان بكالوريا التعليم الثانوي

الشعبة: علوم تجريبية، رياضيات، تقني رياضي، تسيير واقتصاد

المدة: 02 سا و30د

اختبار في مادة: اللغة الإنجليزية

على المترشح أن يختار أحد الموضوعين التاليين:

الموضوع الأول

Part One: Reading

(15 points)

A) Comprehension

(08 points)

Read the text carefully and do the activities.

Let's Go to the Moon!

Human has walked on the moon since the Apollo 17 mission in December 1972. This time, though, the astronauts will stay much longer than the few days of the Apollo 17 mission. So now, NASA's Exploration Technology Development Program is working on everything that will be needed to make the moon a place where a crew of astronauts can live for months.

Explorers from Earth will have to build their own habitat, or home. Their home must protect them like no home on Earth would ever need to do. Why?

There is no air on the moon. And the temperature varies from 387 degrees Fahrenheit below zero (-233 Celsius) at night to 253 degrees Fahrenheit above zero (123 Celsius) in the day. Tiny micro-meteoroids (space rocks) rain down on the moon's surface. And no atmosphere means no protection from the Sun's harsh radiation.

So, a moon habitat for humans will have to be tough and very sturdy. **It** will have to be air tight, so the inside can be pumped up with breathable air without exploding or leaking. The habitat will have to be cooled during the moon day and heated during the moon night. It will need a water recycling system, a power generating system and food storage and preparation facilities.

The materials to build the moon habitat should be lightweight, since **they** will have to be boosted out of Earth's gravitational field using rockets. The habitat will have to be sent to the moon in pieces and assembled by the explorers once they arrive. So, it should be easy to put together, since the moon explorers will be working in space suits.

<http://spaceplace.nasa.gov>

1. Circle the letter that corresponds to the right answer.

The text is: a. a report b. a web article c. a newspaper article

2. Are these statements true or false? Write T or F next to the letter corresponding to the statement.

- Apollo 17 stayed for one whole year on the moon.
- Homes on the moon must protect astronauts better than homes on Earth.
- Oxygen is available on the surface of the moon.
- Astronauts should use heavy materials to build their habitat.

3. Answer the following questions according to the text.

- Do astronauts intend to spend more time on their next missions on the moon?
- What must explorers do in order to be able to live on the moon?
- Who will put the pieces of the habitat together?

4. What or who do the underlined words in the text refer to?

- a. It (§4) b. they (§5)

B) Text Exploration

(07 points)

1. Find in the text words whose definitions follow:

- a. Travelling into a place for the purpose of learning about it. (§1)
 b. The mixture of gases surrounding the Earth. (§3)

2. Complete the chart as shown in the example.

| | verb | noun | adjective |
|---------|-------------|-------------|------------------|
| Example | to explore | exploration | exploratory |
| | | | hot |
| | | gravitation | |

3. Rewrite sentence (b) so that it means the same as sentence (a).

1. a. " Space research is both a cultural and an industrial imperative, " Dr. Paul Weissenberg says.
 b. Dr. Paul Weissenberg says that.....
 2. a. European countries introduced teaching Earth observation in high school science classes.
 b. Teaching Earth observation

4. Classify the following words according to the number of their syllables.

habitat- rocket- astronauts-walked

| 1 syllable | 2 syllables | 3 syllables |
|-------------------|--------------------|--------------------|
| | | |

5. Reorder the following sentences to make a coherent passage.

- a. of the universe, planet Earth and the solar system.
 b. to biomedicine, life and physical sciences.
 c. Space sciences are vital to the understanding of the structure
 d. They also provide insights into new approaches

Part Two: Written Expression

(05 points)

Choose **ONE** of the following topics:

Topic One: Using the following notes, write a composition of 80 to 120 words on **the importance of space research:**

- space research helps in protecting the environment
- saving the lives of people during natural catastrophes
- space-based technologies for tsunami warnings
- communication technologies for better services

Topic two: Write a composition of 80 to 120 words on the following topic:

Some businessmen do not respect price regulations. They often sell their goods at too high prices. What solutions would you suggest to fight such unethical behaviours?

الإجابة النموذجية وسلم التنقيط لامتحان شهادة البكالوريا دورة جوان: 2015

المادة: اللغة الإنجليزية الشعبة: علوم تجريبية، ريا، ت رياضي، ت واقتصاد

عناصر الإجابة (الموضوع الأول)

Let's go to the Moon!

| العلامة | | | | | | | | | | | |
|-------------------------|--------------------------|--|-------------|--------------|---------------|---------|--------------------------|---------------------|--------------|------------|------------------------------|
| مجموع | مجزأة | | | | | | | | | | |
| 15 pts 08 pts 1pt | 1 | Part One: Reading A/ Comprehension 1- The text is 1- b) a web article. | | | | | | | | | |
| 2pts | 0.5x4 | 2- a) F b) T c) F d) F | | | | | | | | | |
| 3pts | 1x3 | 3 - a) Yes, they do. b) To be able to live on the moon, explorers should build their own habitat / home. c) The astronauts / explorers / the explorers themselves. | | | | | | | | | |
| 2pts | 1x2 | 4- a) (Moon) habitat / home. b) the materials | | | | | | | | | |
| 07 pts | | B/ Text exploration | | | | | | | | | |
| 1pt | 0.5 x2 | 1- a) exploration b) atmosphere | | | | | | | | | |
| 1pt | 0.25x4 | 2- | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>verb</th> <th>noun</th> <th>adjective</th> </tr> </thead> <tbody> <tr> <td>to heat</td> <td>heat / heating heater</td> <td>//////</td> </tr> <tr> <td>to gravitate</td> <td>//////////</td> <td>gravitational gravitating</td> </tr> </tbody> </table> | verb | noun | adjective | to heat | heat / heating heater | ////// | to gravitate | ////////// | gravitational gravitating |
| verb | noun | adjective | | | | | | | | | |
| to heat | heat / heating heater | ////// | | | | | | | | | |
| to gravitate | ////////// | gravitational gravitating | | | | | | | | | |
| 2pts | 1x2 | 3 – 1- Dr.Paul Weissenberg says that space is both a cultural and an industrial imperative. 2- Teaching Earth observation was introduced in high school science classes by European countries. | | | | | | | | | |
| 1pt | 0.25x4 | 4 – | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>1 syllable.</th> <th>2 syllables.</th> <th>3 syllables..</th> </tr> </thead> <tbody> <tr> <td>walked</td> <td>rocket</td> <td>astronauts -habitat</td> </tr> </tbody> </table> | 1 syllable. | 2 syllables. | 3 syllables.. | walked | rocket | astronauts -habitat | | | |
| 1 syllable. | 2 syllables. | 3 syllables.. | | | | | | | | | |
| walked | rocket | astronauts -habitat | | | | | | | | | |
| 2pts | 0.5x4 | 5- 1) c -2) a – 3) d - 4) b. | | | | | | | | | |
| 5 pts | | Written expression | | | | | | | | | |
| | 2.5 | Topic1: form | | | | | | | | | |
| | 2.5 | content | | | | | | | | | |
| | 3 | Topic2: form | | | | | | | | | |
| | 2 | content | | | | | | | | | |